# Oxidant cream

Safety Data Sheet

According To Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules And Regulations And According To The Hazardous Products Regulation (February 11, 2015).

Date of Issue: 07/20/2017

Version: 1.0

### **SECTION 1: IDENTIFICATION**

<u>Product Identifier</u> <u>Product Form: Mixture</u>

Product Name: Oxidant cream

**Product Code: KO0002** 

**Intended Use of the Product** 

Oxidant to be mixed with the RefectoCil tints before applying onto the eyelashes and eyebrows

**Use Of The Substance/Mixture:** For professional use only. **Name, Address, and Telephone of the Responsible Party** 

Company Manufacturer

CBON – Cosmetic Brands of North America Inc

5B – 1255B Reid Street

Achauerstrasse 49a

Richmond Hill, ON L4B 1G1 Leopoldsdorf, 2333 Austria

(905) 771-6115 +43 2235 47 9400

https://www.cboncanada.com/

**Emergency Telephone Number** No additional information available

# **SECTION 2: HAZARDS IDENTIFICATION**

# **Classification of the Substance or Mixture**

## **GHS-US/CA Classification**

HHNOC 1

Eye Irrit. 2B H320 Aguatic Acute 3 H402

Full text of hazard classes and H-statements: see section 16

<u>Label Elements</u>

**GHS-US/CA Labeling** 

Signal Word (GHS-US/CA) : Warning

Hazard Statements (GHS-US/CA) : H320 - Causes eye irritation.

H402 - Harmful to aquatic life.

Precautionary Statements (GHS-US/CA): P264 - Wash hands, forearms, and other exposed areas thoroughly after handling.

P273 - Avoid release to the environment.

P305+P351+P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove

contact lenses, if present and easy to do. Continue rinsing.

P337+P313 - If eye irritation persists: Get medical advice/attention.

P501 - Dispose of contents/container in accordance with local, regional, national, and

international regulations.

#### **Other Hazards**

Exposure may aggravate pre-existing eye, skin, or respiratory conditions.

### **Unknown Acute Toxicity (GHS-US/CA)**

No data available

# **SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS**

#### Mixture

Name	Product Identifier	% *	GHS Ingredient Classification
Water	(CAS-No.) 7732-18-5	93.39227	Not classified
Hydrogen peroxide	(CAS-No.) 7722-84-1	2.9995	HHNOC 1
			Ox. Liq. 1, H271
			Acute Tox. 4 (Oral), H302
			Acute Tox. 4 (Inhalation:dust,mist), H332
			Skin Corr. 1A, H314
			Eye Dam. 1, H318

07/20/2017 EN (English US) 1/10

Telefax: +43 / 2235 / 47 940-39

# **Safety Data Sheet**

according to 29 CFR 1910.1200(g)

#### RefectoCil red

Revision date: 07.08.2017 Product code: FA0041 Page 1 of 9

### 1. Identification

### **Product identifier**

RefectoCil red

#### Recommended use of the chemical and restrictions on use

### Use of the substance/mixture

Cosmetics

### Uses advised against

Any non-intended use.

### Details of the supplier of the safety data sheet

Company name: GW Cosmetics GmbH Street: Achauerstrasse 49a Place: A-2333 Leopoldsdorf Telephone: +43 / 2235 / 47 940-0

Responsible Department: office@gwcosmetics.at

Emergency phone number: +43 / 2235 / 47 940-0 (09:00-16:00 CET)

**Further Information** 

This product is subject to the cosmetic regulation. This sheet was prepared on a voluntary basis.

# 2. Hazard(s) identification

# Classification of the chemical

## 29 CFR Part 1910.1200

Hazard categories:

Serious eye damage/eye irritation: Eye Dam. 1 Respiratory or skin sensitization: Skin Sens. 1

Hazard Statements:

Causes serious eye damage May cause an allergic skin reaction

Environmental hazards: H412, Harmful to aquatic organisms.

### **Label elements**

# 29 CFR Part 1910.1200

Signal word: Danger

Pictograms:





### **Hazard statements**

May cause an allergic skin reaction Causes serious eye damage

### **Precautionary statements**

If medical advice is needed, have product container or label at hand.

Keep out of reach of children.

Avoid breathing dust/fume/gas/mist/vapors/spray.

Contaminated work clothing must not be allowed out of the workplace.

Wear protective gloves/protective clothing/eye protection/face protection.

If on skin: Wash with plenty of water.

If skin irritation or rash occurs: Get medical advice/attention.

Wash contaminated clothing before reuse.

according to 29 CFR 1910.1200(g)

#### RefectoCil red

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If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do.

Continue rinsing.

Immediately call a poison center/doctor.

Dispose of contents/container to local/regional/national/international regulations.

### Additional advice on labelling

GHS Symbols and Phrases are shown here only for information. This product is a consumer product and labelling is regulated by the cosmetic regulation. Labelling according to 1910.1200 is not required.

### Hazards not otherwise classified

No information available.

# 3. Composition/information on ingredients

#### **Mixtures**

#### Hazardous components

CAS No	Components	Quantity
5392-28-9	Pyrimidinetetrayltetraamine sulphate	< 7,5 %
608-25-3	2-methylresorcinol	< 3 %
68891-38-3	Alcohols, C12-14(even numbered), ethoxylated EO, sulfates, sodium salts	< 2,5 %

#### 4. First-aid measures

#### **Description of first aid measures**

# **General information**

In case of accident or unwellness, seek medical advice immediately (show directions for use or safety data sheet if possible).

#### After inhalation

In case of accident by inhalation: remove casualty to fresh air and keep at rest. In case of respiratory tract irritation, consult a physician.

# After contact with skin

Gently wash with plenty of soap and water. In case of skin irritation, seek medical treatment.

# After contact with eyes

Rinse cautiously with water for several minutes. In case of troubles or persistent symptoms, consult an ophthalmologist.

# After ingestion

Rinse mouth thoroughly with water. Let water be drunken in little sips (dilution effect). Do NOT induce vomiting. In all cases of doubt, or when symptoms persist, seek medical advice.

# Most important symptoms and effects, both acute and delayed

No information available.

# Indication of any immediate medical attention and special treatment needed

Treat symptomatically.

# 5. Fire-fighting measures

### **Extinguishing media**

# Suitable extinguishing media

Carbon dioxide (CO2). Dry extinguishing powder. alcohol resistant foam. Atomized water.

# Unsuitable extinguishing media

High power water jet.

## Specific hazards arising from the chemical

Can be released in case of fire: Carbon monoxide, Carbon dioxide (CO2), Nitrogen oxides (NOx), Sulfur

according to 29 CFR 1910.1200(g)

#### RefectoCil red

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oxides.

## Special protective equipment and precautions for fire-fighters

In case of fire: Wear self-contained breathing apparatus.

#### Additional information

Collect contaminated fire extinguishing water separately. Do not allow entering drains or surface water.

Co-ordinate fire-fighting measures to the fire surroundings.

#### 6. Accidental release measures

### Personal precautions, protective equipment and emergency procedures

See protective measures under point 7 and 8.

#### **Environmental precautions**

Discharge into the environment must be avoided.

# Methods and material for containment and cleaning up

Absorb with liquid-binding material (e.g. sand, diatomaceous earth, acid- or universal binding agents).

Treat the recovered material as prescribed in the section on waste disposal.

Clean contaminated objects and areas thoroughly observing environmental regulations.

#### Reference to other sections

Safe handling: see section 7

Personal protection equipment: see section 8

Disposal: see section 13

# 7. Handling and storage

### Precautions for safe handling

#### Advice on safe handling

Wear suitable protective clothing. (See section 8.)

### Advice on protection against fire and explosion

Usual measures for fire prevention.

#### Further information on handling

General protection and hygiene measures: refer to chapter 8

# Conditions for safe storage, including any incompatibilities

### Requirements for storage rooms and vessels

Keep container tightly closed in a cool, well-ventilated place.

# Advice on storage compatibility

Do not store together with: Explosives. Oxidizing solids. Oxidizing liquids. Radioactive substances. Infectious substances. Food and animal feedingstuff.

# Further information on storage conditions

Keep the packing dry and well sealed to prevent contamination and absorbtion of humidity.

Recommended storage temperature: 20°C

Protect against: Light. UV-radiation/sunlight. heat. moisture.

# 8. Exposure controls/personal protection

#### **Control parameters**

# Additional advice on limit values

The following constituents are the only constituents of the product which have a PEL, TLV or other recommended exposure limit. At this time, the other constituents have no known exposure limits.

## **Exposure controls**

# Appropriate engineering controls

No special measures are necessary.

according to 29 CFR 1910.1200(g)

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#### Protective and hygiene measures

Always close containers tightly after the removal of product. When using do not eat, drink, smoke, sniff. Wash hands before breaks and after work.

### Eye/face protection

Wear safety glasses; chemical goggles (if splashing is possible). Standards: EN 166 or 29 CFR 1910.133

#### Hand protection

Wear suitable gloves.

Suitable material:

FKM (fluororubber). - Thickness of glove material: 0,4 mm

Breakthrough time >= 8 h

Butyl rubber. - Thickness of glove material: 0,5 mm

Breakthrough time >= 8 h

CR (polychloroprenes, Chloroprene rubber). - Thickness of glove material: 0,5 mm

Breakthrough time >= 8 h

NBR (Nitrile rubber). - Thickness of glove material: 0,35 mm

Breakthrough time >= 8 h

PVC (Polyvinyl chloride). - Thickness of glove material: 0,5 mm

Breakthrough time >= 8 h

Before using check leak tightness / impermeability. In the case of wanting to use the gloves again, clean them before taking off and air them well.

#### Skin protection

Suitable protective clothing: Lab apron.

#### Respiratory protection

With correct and proper use, and under normal conditions, breathing protection is not required.

Respiratory protection necessary at:

insufficient ventilation

exceeding exposure limit values

Suitable respiratory protective equipment: half-mask with filter EN 149 or 29 CFR 1910.134.

The filter class must be suitable for the maximum contaminant concentration (gas/vapour/aerosol/particulates) that may arise when handling the product. If the concentration is exceeded, self-contained breathing apparatus must be used.

#### **Environmental exposure controls**

No special precautionary measures are necessary.

## 9. Physical and chemical properties

## Information on basic physical and chemical properties

Physical state: liquid

Color: not determined Odor: characteristic

pH-Value: 7,5-10,0

## Changes in the physical state

Melting point/freezing point:

Initial boiling point and boiling range:

Sublimation point:

Softening point:

Pour point:

Flash point:

Sustaining combustion:

Not sustaining combustion

## **Explosive properties**

none

according to 29 CFR 1910.1200(g)

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Lower explosion limits:	not determined	
Upper explosion limits:	not determined	
Ignition temperature:	not determined	
Auto-ignition temperature		
Gas:	not determined	
Decomposition temperature:	not determined	
Oxidizing properties none		
Vapor pressure:	not determined	
Density:	not determined	
Water solubility:	not determined	
Solubility in other solvents not determined		
Partition coefficient:	not determined	
Viscosity / dynamic:	not determined	
Viscosity / kinematic:	not determined	
Flow time:	not determined	
Vapor density:	not determined	
Evaporation rate:	not determined	
Solvent separation test:	not determined	

not determined

# Other information

Solvent content:

Solid content: not determined

# 10. Stability and reactivity

# Reactivity

No information available.

### **Chemical stability**

Stability: Stable

The product is chemically stable under recommended conditions of storage, use and temperature.

# Possibility of hazardous reactions

Hazardous reactions: Will not occur

No information available.

# **Conditions to avoid**

Protect against: UV-radiation/sunlight. heat.

# **Incompatible materials**

Materials to avoid: Oxidizing agents, strong. Reducing agents, strong.

# Hazardous decomposition products

Can be released in case of fire: Carbon monoxide, Carbon dioxide (CO2). Nitrogen oxides (NOx). Sulfur oxides.

# 11. Toxicological information

# Information on toxicological effects

according to 29 CFR 1910.1200(g)

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#### Route(s) of Entry

Ingestion: May be harmful if swallowed. Inhalation: May be harmful if inhaled. Skin contact: May cause irritation. May cause sensitisation by skin contact. Eye contact: Risk of serious damage to eyes.

#### Toxicocinetics, metabolism and distribution

No data available.

#### **Acute toxicity**

Based on available data, the classification criteria are not met.

CAS No	Components					
	Exposure route	Dose	Species	Source	Method	
608-25-3	2-methylresorcinol					
	oral	ATE 100 mg/kg				
68891-38-3	Alcohols, C12-14(even no	umbered), ethoxylated E	O, sulfates, sodium salts			
	oral	LD50 4100 mg/kg	Rat	ECHA		
-	dermal	LD50 >2000 mg/kg	Rat	ECHA		

### Irritation and corrosivity

Causes serious eye damage

Skin corrosion/irritation: Based on available data, the classification criteria are not met.

Alcohols, C12-14(even numbered), ethoxylated EO, sulfates, sodium salts:

Skin Irrit. 2 - Specific concentration limit (SCL): >= 5 - < 10 %

Eye Dam. 1 - Specific concentration limit (SCL): >= 10 %

#### Sensitizing effects

May cause an allergic skin reaction (2-methylresorcinol)

# Carcinogenic/mutagenic/toxic effects for reproduction

Based on available data, the classification criteria are not met.

Alcohols, C12-14(even numbered), ethoxylated EO, sulfates, sodium salts:

In-vitro mutagenicity: Method: OECD Guideline 471 (Bacterial Reverse Mutation Assay); Result: negative.; Literature information: ECHA Dossier; Reproductive toxicity: Method: OECD Guideline 416 (Two-Generation

Reproduction Toxicity Study); Species: Rat; Results: NOAEL >= 300 mg/kg. Literature information: ECHA

Reproduction Toxicity Study); Species: Rat; Results: NOAEL >= 300 mg/kg. Literature information: ECHA

Dossier; Developmental toxicity/teratogenicity: Method: OECD Guideline 414 (Prenatal Developmental Toxicity

Study); Species: Rat; Results: NOAEL = 1000 mg/kg; Literature information: ECHA Dossier

### Specific target organ toxicity (STOT) - single exposure

Based on available data, the classification criteria are not met.

# Specific target organ toxicity (STOT) - repeated exposure

Based on available data, the classification criteria are not met.

Alcohols, C12-14(even numbered), ethoxylated EO, sulfates, sodium salts:

Subchronic oral toxicity: Method: OECD Guideline 408 (Repeated Dose 90-Day Oral Toxicity in Rodents); Species: Rat; Exposure duration: 90 d. Result: NOAEL = 225 mg/kg; Literature information: ECHA Dossier

Carcinogenicity (OSHA): No ingredient of this mixture is listed.
Carcinogenicity (IARC): No ingredient of this mixture is listed.
Carcinogenicity (NTP): No ingredient of this mixture is listed.

# **Aspiration hazard**

Based on available data, the classification criteria are not met.

#### Specific effects in experiment on an animal

No data available.

## 12. Ecological information

according to 29 CFR 1910.1200(g)

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#### **Ecotoxicity**

The product has not been tested.

### Persistence and degradability

The product has not been tested.

### Bioaccumulative potential

No indication of bioaccumulation potential.

### **Mobility in soil**

No data available.

#### Other adverse effects

No data available.

#### **Further information**

Do not allow to enter into surface water or drains.

## 13. Disposal considerations

#### Waste treatment methods

#### Advice on disposal

Observe in addition any national regulations! Consult the local waste disposal expert about waste disposal. Non-contaminated packages may be recycled.

# Contaminated packaging

Handle contaminated packages in the same way as the substance itself.

### 14. Transport information

### US DOT 49 CFR 172.101

Proper shipping name: Not a hazardous material with respect to these transport regulations. &&

Not controlled under DOT

Marine transport (IMDG)

UN number:No dangerous good in sense of this transport regulation.UN proper shipping name:No dangerous good in sense of this transport regulation.Transport hazard class(es):No dangerous good in sense of this transport regulation.Packing group:No dangerous good in sense of this transport regulation.

Air transport (ICAO-TI/IATA-DGR)

UN number:No dangerous good in sense of this transport regulation.UN proper shipping name:No dangerous good in sense of this transport regulation.Transport hazard class(es):No dangerous good in sense of this transport regulation.Packing group:No dangerous good in sense of this transport regulation.

**Environmental hazards** 

ENVIRONMENTALLY HAZARDOUS: no

# Special precautions for user

refer to chapter 6-8

### Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

not relevant

# 15. Regulatory information

#### **U.S. Regulations**

# **National Inventory TSCA**

Alcohols, C12-14(even numbered), ethoxylated EO, sulfates, sodium salts not listed under TSCA 12(b) listed in

according to 29 CFR 1910.1200(g)

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the TSCA inventory

2-methylresorcinol listed under TSCA 12(b) listed in the TSCA inventory

Pyrimidinetetrayltetraamine sulphate not listed under TSCA 12(b) listed in the TSCA inventory

## **National regulatory information**

SARA Section 311/312 Hazards:

Pyrimidinetetrayltetraamine sulphate (5392-28-9): Immediate (acute) health hazard

2-methylresorcinol (608-25-3): Immediate (acute) health hazard

Alcohols, C12-14(even numbered), ethoxylated EO, sulfates, sodium salts (68891-38-3): Immediate (acute)

health hazard

## State Regulations

# Safe Drinking Water and Toxic Enforcement Act of 1986 (Proposition 65, State of California)

This product contains no chemicals known to the State of California to cause cancer, birth defects or other reproductive harm.

### 16. Other information

# **Hazardous Materials Information Label (HMIS)**

Health: 2
Flammability: 1
Physical Hazard: 1
Personal Protection: B

#### **NFPA Hazard Ratings**

Health: 1
Flammability: 1
Reactivity: 0
Unique Hazard: -



# Changes

Revision date: 07.08.2017 Revision No: 1,0

Rev. 1.0; Initial release: 07.08.2017

# Abbreviations and acronyms

ADR: Accord européen sur le transport des marchandises dangereuses par Route

CAS Chemical Abstracts Service DNEL: Derived No Effect Level

IARC: INTERNATIONAL AGENCY FOR RESEARCH ON CANCER

IMDG: International Maritime Code for Dangerous Goods

IATA: International Air Transport Association

IATA-DGR: Dangerous Goods Regulations by the "International Air Transport Association" (IATA)

ICAO: International Civil Aviation Organization

ICAO-TI: Technical Instructions by the "International Civil Aviation Organization" (ICAO)

GHS: Globally Harmonized System of Classification and Labelling of Chemicals GefStoffV: Gefahrstoffverordnung (Ordinance on Hazardous Substances, Germany)

LOAEL: Lowest observed adverse effect level

LOAEC: Lowest observed adverse effect concentration

LC50: Lethal concentration, 50 percent

LD50: Lethal dose, 50 percent

NOAEL: No observed adverse effect level NOAEC: No observed adverse effect level

NTP: National Toxicology Program

N/A: not applicable

OSHA: Occupational Safety and Health Administration

PNEC: predicted no effect concentration

according to 29 CFR 1910.1200(g)

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PBT: Persistent bioaccumulative toxic

RID: Règlement international concernant le transport des marchandises dangereuses par chemin de

fer (Regulations Concerning the International Transport of Dangerous Goods by Rail )

SARA: Superfund Amendments and Reauthorization Act

SVHC: substance of very high concern TRGS Technische Regeln für Gefahrstoffe TSCA: Toxic Substances Control Act VOC: Volatile Organic Compounds

VwVwS: Verwaltungsvorschrift wassergefährdender Stoffe

WGK: Wassergefährdungsklasse

#### Other data

Classification according 29 CFR Part 1910.1200: - Classification procedure:

Health hazards: Calculation method. Environmental hazards: Calculation method.

Physical hazards: On basis of test data. and / or calculated and / or estimated.

The above information describes exclusively the safety requirements of the product and is based on our present-day knowledge. The information is intended to give you advice about the safe handling of the product named in this safety data sheet, for storage, processing, transport and disposal. The information cannot be transferred to other products. In the case of mixing the product with other products or in the case of processing, the information on this safety data sheet is not necessarily valid for the new made-up material.

(The data for the hazardous ingredients were taken respectively from the last version of the sub-contractor's safety data sheet.)

Telefax: +43 / 2235 / 47 940-39

# **Safety Data Sheet**

according to 29 CFR 1910.1200(g)

# RefectoCil light brown

Revision date: 07.08.2017 Product code: FA0031 Page 1 of 9

### 1. Identification

### **Product identifier**

RefectoCil light brown

#### Recommended use of the chemical and restrictions on use

### Use of the substance/mixture

Cosmetics

### Uses advised against

Any non-intended use.

### Details of the supplier of the safety data sheet

Company name: GW Cosmetics GmbH Street: Achauerstrasse 49a Place: A-2333 Leopoldsdorf Telephone: +43 / 2235 / 47 940-0

Responsible Department: office@gwcosmetics.at

**Emergency phone number:** +43 / 2235 / 47 940-0 (09:00-16:00 CET)

**Further Information** 

This product is subject to the cosmetic regulation. This sheet was prepared on a voluntary basis.

# 2. Hazard(s) identification

# Classification of the chemical

## 29 CFR Part 1910.1200

Hazard categories:

Respiratory or skin sensitization: Skin Sens. 1

Hazard Statements:

May cause an allergic skin reaction

Environmental hazards: H412, Harmful to aquatic organisms.

## **Label elements**

## 29 CFR Part 1910.1200

Signal word: Warning

Pictograms:



#### **Hazard statements**

May cause an allergic skin reaction

## **Precautionary statements**

If medical advice is needed, have product container or label at hand.

Keep out of reach of children.

Avoid breathing dust/fume/gas/mist/vapors/spray.

Contaminated work clothing must not be allowed out of the workplace.

Wear protective gloves/protective clothing/eye protection/face protection.

If on skin: Wash with plenty of water.

If skin irritation or rash occurs: Get medical advice/attention.

Wash contaminated clothing before reuse.

Dispose of contents/container to local/regional/national/international regulations.

## Additional advice on labelling

GHS Symbols and Phrases are shown here only for information. This product is a consumer product and

according to 29 CFR 1910.1200(g)

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labelling is regulated by the cosmetic regulation. Labelling according to 1910.1200 is not required.

#### Hazards not otherwise classified

No information available.

# 3. Composition/information on ingredients

### **Mixtures**

#### **Hazardous components**

CAS No	Components	Quantity
95-70-5	2,5-toluenediamine	< 1,75 %

#### 4. First-aid measures

## **Description of first aid measures**

## **General information**

In case of accident or unwellness, seek medical advice immediately (show directions for use or safety data sheet if possible).

# After inhalation

In case of accident by inhalation: remove casualty to fresh air and keep at rest. In case of respiratory tract irritation, consult a physician.

#### After contact with skin

Gently wash with plenty of soap and water. In case of skin irritation, seek medical treatment.

### After contact with eyes

Rinse cautiously with water for several minutes. In case of troubles or persistent symptoms, consult an ophthalmologist.

### After ingestion

Rinse mouth thoroughly with water. Let water be drunken in little sips (dilution effect). Do NOT induce vomiting. In all cases of doubt, or when symptoms persist, seek medical advice.

# Most important symptoms and effects, both acute and delayed

No information available.

# Indication of any immediate medical attention and special treatment needed

Treat symptomatically.

# 5. Fire-fighting measures

### **Extinguishing media**

# Suitable extinguishing media

Carbon dioxide (CO2). Dry extinguishing powder. alcohol resistant foam. Atomized water.

# Unsuitable extinguishing media

High power water jet.

## Specific hazards arising from the chemical

Can be released in case of fire: Carbon monoxide, Carbon dioxide (CO2). Nitrogen oxides (NOx).

## Special protective equipment and precautions for fire-fighters

In case of fire: Wear self-contained breathing apparatus.

# Additional information

Collect contaminated fire extinguishing water separately. Do not allow entering drains or surface water.

Co-ordinate fire-fighting measures to the fire surroundings.

#### 6. Accidental release measures

# Personal precautions, protective equipment and emergency procedures

according to 29 CFR 1910.1200(g)

# RefectoCil light brown

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See protective measures under point 7 and 8.

#### **Environmental precautions**

Discharge into the environment must be avoided.

# Methods and material for containment and cleaning up

Absorb with liquid-binding material (e.g. sand, diatomaceous earth, acid- or universal binding agents).

Treat the recovered material as prescribed in the section on waste disposal.

Clean contaminated objects and areas thoroughly observing environmental regulations.

### Reference to other sections

Safe handling: see section 7

Personal protection equipment: see section 8

Disposal: see section 13

# 7. Handling and storage

## Precautions for safe handling

## Advice on safe handling

Wear suitable protective clothing. (See section 8.)

# Advice on protection against fire and explosion

Usual measures for fire prevention.

### Further information on handling

General protection and hygiene measures: refer to chapter 8

## Conditions for safe storage, including any incompatibilities

# Requirements for storage rooms and vessels

Keep container tightly closed in a cool, well-ventilated place.

### Advice on storage compatibility

Do not store together with: Explosives. Oxidizing solids. Oxidizing liquids. Radioactive substances. Infectious substances. Food and animal feedingstuff.

# Further information on storage conditions

Keep the packing dry and well sealed to prevent contamination and absorbtion of humidity.

Recommended storage temperature: 20°C

Protect against: Light. UV-radiation/sunlight. heat. moisture.

### 8. Exposure controls/personal protection

## **Control parameters**

#### Additional advice on limit values

The following constituents are the only constituents of the product which have a PEL, TLV or other recommended exposure limit. At this time, the other constituents have no known exposure limits.

#### **Exposure controls**

## Appropriate engineering controls

No special measures are necessary.

### Protective and hygiene measures

Always close containers tightly after the removal of product. When using do not eat, drink, smoke, sniff. Wash hands before breaks and after work.

## Eye/face protection

Wear safety glasses; chemical goggles (if splashing is possible). Standards: EN 166 or 29 CFR 1910.133

## Hand protection

Wear suitable gloves.

Suitable material:

FKM (fluororubber). - Thickness of glove material: 0,4 mm

Breakthrough time >= 8 h

according to 29 CFR 1910.1200(g)

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Butyl rubber. - Thickness of glove material: 0,5 mm

Breakthrough time >= 8 h

CR (polychloroprenes, Chloroprene rubber). - Thickness of glove material: 0,5 mm

Breakthrough time >= 8 h

NBR (Nitrile rubber). - Thickness of glove material: 0,35 mm

Breakthrough time >= 8 h

PVC (Polyvinyl chloride). - Thickness of glove material: 0,5 mm

Breakthrough time >= 8 h

Before using check leak tightness / impermeability. In the case of wanting to use the gloves again, clean them

before taking off and air them well.

# Skin protection

Suitable protective clothing: Lab apron.

# Respiratory protection

With correct and proper use, and under normal conditions, breathing protection is not required.

Respiratory protection necessary at:

insufficient ventilation

exceeding exposure limit values

Suitable respiratory protective equipment: half-mask with filter EN 149 or 29 CFR 1910.134 .

The filter class must be suitable for the maximum contaminant concentration (gas/vapour/aerosol/particulates) that may arise when handling the product. If the concentration is exceeded, self-contained breathing apparatus must be used.

#### **Environmental exposure controls**

No special precautionary measures are necessary.

### 9. Physical and chemical properties

# Information on basic physical and chemical properties

Physical state: liquid

Color: not determined Odor: characteristic

pH-Value: 7,5-10,0

### Changes in the physical state

Melting point/freezing point:

Initial boiling point and boiling range:

Sublimation point:

Softening point:

Pour point:

Flash point:

Sustaining combustion:

Not sustaining combustion

not determined
not determined
not determined
Not sustaining combustion

**Explosive properties** 

none

Lower explosion limits:

Upper explosion limits:

Iquition temperature:

not determined
not determined

**Auto-ignition temperature** 

Gas: not determined Decomposition temperature: not determined

**Oxidizing properties** 

none

according to 29 CFR 1910.1200(g)

	RefectoCil light brown	
Revision date: 07.08.2017	Product code: FA0031	Page 5 of 9

Vapor pressure: not determined

Density: not determined

Water solubility: not determined

Solubility in other solvents

not determined

Partition coefficient: not determined Viscosity / dynamic: not determined Viscosity / kinematic: not determined Flow time: not determined Vapor density: not determined Evaporation rate: not determined Solvent separation test: not determined Solvent content: not determined

Other information

Solid content: not determined

# 10. Stability and reactivity

## Reactivity

No information available.

#### **Chemical stability**

Stability: Stable

The product is chemically stable under recommended conditions of storage, use and temperature.

# Possibility of hazardous reactions

Hazardous reactions: Will not occur

No information available.

## **Conditions to avoid**

Protect against: UV-radiation/sunlight. heat.

#### Incompatible materials

Materials to avoid: Oxidizing agents, strong. Reducing agents, strong.

#### Hazardous decomposition products

Can be released in case of fire: Carbon monoxide, Carbon dioxide (CO2). Nitrogen oxides (NOx).

# 11. Toxicological information

# Information on toxicological effects

## Route(s) of Entry

Ingestion: May be harmful if swallowed. Inhalation: May be harmful if inhaled. Skin contact: May cause irritation. May cause sensitisation by skin contact. Eye contact: May cause irritation.

## Toxicocinetics, metabolism and distribution

No data available.

# **Acute toxicity**

Based on available data, the classification criteria are not met.

according to 29 CFR 1910.1200(g)

# RefectoCil light brown

Revision date: 07.08.2017 Product code: FA0031 Page 6 of 9

CAS No	Components					
	Exposure route	Dose		Species	Source	Method
95-70-5	2,5-toluenediamine					
	oral	LD50 mg/kg	102	Rat	REACH Dossier	OECD Guideline 401
	dermal	ATE mg/kg	1100			
	inhalative vapour	ATE	11 mg/l			
	inhalative aerosol	ATE	1,5 mg/l			

### Irritation and corrosivity

Based on available data, the classification criteria are not met.

#### Sensitizing effects

May cause an allergic skin reaction (2,5-toluenediamine)

#### Carcinogenic/mutagenic/toxic effects for reproduction

Based on available data, the classification criteria are not met.

2,5-toluenediamine:

READ ACROSS: 2-methyl-p-phenylenediamine sulphate (CAS No. 615-50-9):

In vivo mutagenicity/genotoxicity: Method: OECD Guideline 474 (Mammalian Erythrocyte Micronucleus Test);

Result: negative.; Method: OECD Guideline 486 (Unscheduled DNA Synthesis (UDS) Test with Mammalian

Liver Cells in vivo); Result: negative. Method: single cell gel/comet assay in rodents for detection of DNA damage; Result: negative.; Mouse); positive. (Rat); Reproductive toxicity: Exposure time: 21d. Species: Rat.;

Method: OECD Guideline 416; Result: NOAEL = >45 mg/kg(bw)/day; Developmental toxicity/teratogenicity:

Exposure time: 18d. Species: Mouse; Method: OECD Guideline 416; Result: NOAEL = 16 mg/kg(bw)/day;

Literature information: ECHA Dossier

## Specific target organ toxicity (STOT) - single exposure

Based on available data, the classification criteria are not met.

# Specific target organ toxicity (STOT) - repeated exposure

Based on available data, the classification criteria are not met.

2,5-toluenediamine:

READ ACROSS: 2-methyl-p-phenylenediamine sulphate (CAS No. 615-50-9):

Subchronic oral toxicity: Exposure time: 12 weeks. Species: Rat.; Method: OECD Guideline 408; Result:

LOAEL = 10 mg/kg/day. Literature information: ECHA Dossier;

Carcinogenicity (OSHA): No ingredient of this mixture is listed.

Carcinogenicity (IARC): 2,5-Diaminotoluene (CAS 95-70-5) is listed in group 3.

Carcinogenicity (NTP): No ingredient of this mixture is listed.

#### **Aspiration hazard**

Based on available data, the classification criteria are not met.

## Specific effects in experiment on an animal

No data available.

# 12. Ecological information

# **Ecotoxicity**

The product has not been tested.

### Persistence and degradability

The product has not been tested.

# Bioaccumulative potential

No indication of bioaccumulation potential.

# Mobility in soil

No data available.

according to 29 CFR 1910.1200(g)

# RefectoCil light brown

Revision date: 07.08.2017 Product code: FA0031 Page 7 of 9

#### Other adverse effects

No data available.

#### Further information

Do not allow to enter into surface water or drains.

# 13. Disposal considerations

## Waste treatment methods

### Advice on disposal

Observe in addition any national regulations! Consult the local waste disposal expert about waste disposal. Non-contaminated packages may be recycled.

#### Contaminated packaging

Handle contaminated packages in the same way as the substance itself.

## 14. Transport information

### US DOT 49 CFR 172.101

Proper shipping name: Not a hazardous material with respect to these transport regulations. &&

Not controlled under DOT

Marine transport (IMDG)

UN number:No dangerous good in sense of this transport regulation.UN proper shipping name:No dangerous good in sense of this transport regulation.Transport hazard class(es):No dangerous good in sense of this transport regulation.Packing group:No dangerous good in sense of this transport regulation.

Air transport (ICAO-TI/IATA-DGR)

UN number:No dangerous good in sense of this transport regulation.UN proper shipping name:No dangerous good in sense of this transport regulation.Transport hazard class(es):No dangerous good in sense of this transport regulation.Packing group:No dangerous good in sense of this transport regulation.

**Environmental hazards** 

ENVIRONMENTALLY HAZARDOUS: no

# Special precautions for user

refer to chapter 6-8

#### Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

not relevant

### 15. Regulatory information

# **U.S. Regulations**

# **National Inventory TSCA**

2,5-toluenediamine not listed under TSCA 12(b) listed in the TSCA inventory

### **National regulatory information**

SARA Section 311/312 Hazards:

2,5-toluenediamine (95-70-5): Immediate (acute) health hazard

#### State Regulations

### Safe Drinking Water and Toxic Enforcement Act of 1986 (Proposition 65, State of California)

This product contains no chemicals known to the State of California to cause cancer, birth defects or other reproductive harm.

according to 29 CFR 1910.1200(g)

# RefectoCil light brown

Revision date: 07.08.2017 Product code: FA0031 Page 8 of 9

#### 16. Other information

### **Hazardous Materials Information Label (HMIS)**

Health: 2
Flammability: 1
Physical Hazard: 1
Personal Protection: B

#### **NFPA Hazard Ratings**

Health: 1
Flammability: 1
Reactivity: 0
Unique Hazard: -



#### Changes

Revision date: 07.08.2017 Revision No: 1,0

Rev. 1.0; Initial release: 07.08.2017

### Abbreviations and acronyms

ADR: Accord européen sur le transport des marchandises dangereuses par Route

CAS Chemical Abstracts Service DNEL: Derived No Effect Level

IARC: INTERNATIONAL AGENCY FOR RESEARCH ON CANCER

IMDG: International Maritime Code for Dangerous Goods

IATA: International Air Transport Association

IATA-DGR: Dangerous Goods Regulations by the "International Air Transport Association" (IATA)

ICAO: International Civil Aviation Organization

ICAO-TI: Technical Instructions by the "International Civil Aviation Organization" (ICAO)

GHS: Globally Harmonized System of Classification and Labelling of Chemicals GefStoffV: Gefahrstoffverordnung (Ordinance on Hazardous Substances, Germany)

LOAEL: Lowest observed adverse effect level

LOAEC: Lowest observed adverse effect concentration

LC50: Lethal concentration, 50 percent

LD50: Lethal dose, 50 percent

NOAEL: No observed adverse effect level NOAEC: No observed adverse effect level NTP: National Toxicology Program

N/A: not applicable

OSHA: Occupational Safety and Health Administration

PNEC: predicted no effect concentration PBT: Persistent bioaccumulative toxic

RID: Règlement international concernant le transport des marchandises dangereuses par chemin de

fer (Regulations Concerning the International Transport of Dangerous Goods by Rail  $\,$  )

SARA: Superfund Amendments and Reauthorization Act

SVHC: substance of very high concern TRGS Technische Regeln für Gefahrstoffe TSCA: Toxic Substances Control Act VOC: Volatile Organic Compounds

VwVwS: Verwaltungsvorschrift wassergefährdender Stoffe

WGK: Wassergefährdungsklasse

### Other data

Classification according 29 CFR Part 1910.1200: - Classification procedure:

Health hazards: Calculation method.
Environmental hazards: Calculation method.

according to 29 CFR 1910.1200(g)

# RefectoCil light brown

Revision date: 07.08.2017 Product code: FA0031 Page 9 of 9

Physical hazards: On basis of test data. and / or calculated and / or estimated.

The above information describes exclusively the safety requirements of the product and is based on our present-day knowledge. The information is intended to give you advice about the safe handling of the product named in this safety data sheet, for storage, processing, transport and disposal. The information cannot be transferred to other products. In the case of mixing the product with other products or in the case of processing, the information on this safety data sheet is not necessarily valid for the new made-up material.

(The data for the hazardous ingredients were taken respectively from the last version of the sub-contractor's safety data sheet.)

Telefax: +43 / 2235 / 47 940-39

# **Safety Data Sheet**

according to 29 CFR 1910.1200(g)

# RefectoCil deep blue

Revision date: 04.08.2017 Product code: FA0021 Page 1 of 9

### 1. Identification

### **Product identifier**

RefectoCil deep blue

#### Recommended use of the chemical and restrictions on use

### Use of the substance/mixture

Cosmetics

### Uses advised against

Any non-intended use.

### Details of the supplier of the safety data sheet

Company name: GW Cosmetics GmbH Street: Achauerstrasse 49a Place: A-2333 Leopoldsdorf Telephone: +43 / 2235 / 47 940-0

Responsible Department: office@gwcosmetics.at

**Emergency phone number:** +43 / 2235 / 47 940-0 (09:00-16:00 CET)

**Further Information** 

This product is subject to the cosmetic regulation. This sheet was prepared on a voluntary basis.

# 2. Hazard(s) identification

# Classification of the chemical

# 29 CFR Part 1910.1200

Hazard categories:

Respiratory or skin sensitization: Skin Sens. 1

Hazard Statements:

May cause an allergic skin reaction

Environmental hazards: H412, Harmful to aquatic organisms.

## **Label elements**

## 29 CFR Part 1910.1200

Signal word: Warning

Pictograms:



#### **Hazard statements**

May cause an allergic skin reaction

## **Precautionary statements**

If medical advice is needed, have product container or label at hand.

Keep out of reach of children.

Avoid breathing dust/fume/gas/mist/vapors/spray.

Contaminated work clothing must not be allowed out of the workplace.

Wear protective gloves/protective clothing/eye protection/face protection.

If on skin: Wash with plenty of water.

If skin irritation or rash occurs: Get medical advice/attention.

Wash contaminated clothing before reuse.

Dispose of contents/container to local/regional/national/international regulations.

## Additional advice on labelling

GHS Symbols and Phrases are shown here only for information. This product is a consumer product and

according to 29 CFR 1910.1200(g)

# RefectoCil deep blue

Revision date: 04.08.2017 Product code: FA0021 Page 2 of 9

labelling is regulated by the cosmetic regulation. Labelling according to 1910.1200 is not required.

#### Hazards not otherwise classified

No information available.

# 3. Composition/information on ingredients

### **Mixtures**

#### **Hazardous components**

CAS No	Components	Quantity
95-70-5	2,5-toluenediamine	=< 1,5 %
70643-19-5	2,4-Diaminophenoxyethanol	< 1,25 %

# 4. First-aid measures

#### Description of first aid measures

#### **General information**

In case of accident or unwellness, seek medical advice immediately (show directions for use or safety data sheet if possible).

#### After inhalation

In case of accident by inhalation: remove casualty to fresh air and keep at rest. In case of respiratory tract irritation, consult a physician.

#### After contact with skin

Gently wash with plenty of soap and water. In case of skin irritation, seek medical treatment.

#### After contact with eyes

Rinse cautiously with water for several minutes. In case of troubles or persistent symptoms, consult an ophthalmologist.

# After ingestion

Rinse mouth thoroughly with water. Let water be drunken in little sips (dilution effect). Do NOT induce vomiting. In all cases of doubt, or when symptoms persist, seek medical advice.

# Most important symptoms and effects, both acute and delayed

No information available.

# Indication of any immediate medical attention and special treatment needed

Treat symptomatically.

### 5. Fire-fighting measures

# Extinguishing media

## Suitable extinguishing media

Carbon dioxide (CO2). Dry extinguishing powder. alcohol resistant foam. Atomized water.

# Unsuitable extinguishing media

High power water jet.

# Specific hazards arising from the chemical

Can be released in case of fire: Carbon monoxide, Carbon dioxide (CO2). Nitrogen oxides (NOx).

# Special protective equipment and precautions for fire-fighters

In case of fire: Wear self-contained breathing apparatus.

### Additional information

Collect contaminated fire extinguishing water separately. Do not allow entering drains or surface water.

Co-ordinate fire-fighting measures to the fire surroundings.

### 6. Accidental release measures

according to 29 CFR 1910.1200(g)

# RefectoCil deep blue

Revision date: 04.08.2017 Product code: FA0021 Page 3 of 9

#### Personal precautions, protective equipment and emergency procedures

See protective measures under point 7 and 8.

### **Environmental precautions**

Discharge into the environment must be avoided.

## Methods and material for containment and cleaning up

Absorb with liquid-binding material (e.g. sand, diatomaceous earth, acid- or universal binding agents).

Treat the recovered material as prescribed in the section on waste disposal.

Clean contaminated objects and areas thoroughly observing environmental regulations.

### Reference to other sections

Safe handling: see section 7

Personal protection equipment: see section 8

Disposal: see section 13

# 7. Handling and storage

# **Precautions for safe handling**

# Advice on safe handling

Wear suitable protective clothing. (See section 8.)

#### Advice on protection against fire and explosion

Usual measures for fire prevention.

#### Further information on handling

General protection and hygiene measures: refer to chapter 8

# Conditions for safe storage, including any incompatibilities

# Requirements for storage rooms and vessels

Keep container tightly closed in a cool, well-ventilated place.

## Advice on storage compatibility

Do not store together with: Explosives. Oxidizing solids. Oxidizing liquids. Radioactive substances. Infectious substances. Food and animal feedingstuff.

### Further information on storage conditions

Keep the packing dry and well sealed to prevent contamination and absorbtion of humidity.

Recommended storage temperature: 20°C

Protect against: Light. UV-radiation/sunlight. heat. moisture.

# 8. Exposure controls/personal protection

## Control parameters

## Additional advice on limit values

The following constituents are the only constituents of the product which have a PEL, TLV or other recommended exposure limit. At this time, the other constituents have no known exposure limits.

# Exposure controls

# Appropriate engineering controls

No special measures are necessary.

# Protective and hygiene measures

Always close containers tightly after the removal of product. When using do not eat, drink, smoke, sniff. Wash hands before breaks and after work.

#### Eye/face protection

Wear safety glasses; chemical goggles (if splashing is possible). Standards: EN 166 or 29 CFR 1910.133

#### **Hand protection**

Wear suitable gloves.

Suitable material:

according to 29 CFR 1910.1200(g)

# RefectoCil deep blue

Revision date: 04.08.2017 Product code: FA0021 Page 4 of 9

FKM (fluororubber). - Thickness of glove material: 0,4 mm

Breakthrough time >= 8 h

Butyl rubber. - Thickness of glove material: 0,5 mm

Breakthrough time >= 8 h

CR (polychloroprenes, Chloroprene rubber). - Thickness of glove material: 0,5 mm

Breakthrough time >= 8 h

NBR (Nitrile rubber). - Thickness of glove material: 0,35 mm

Breakthrough time >= 8 h

PVC (Polyvinyl chloride). - Thickness of glove material: 0,5 mm

Breakthrough time >= 8 h

Before using check leak tightness / impermeability. In the case of wanting to use the gloves again, clean them

before taking off and air them well.

#### Skin protection

Suitable protective clothing: Lab apron.

#### Respiratory protection

With correct and proper use, and under normal conditions, breathing protection is not required.

Respiratory protection necessary at:

insufficient ventilation

exceeding exposure limit values

Suitable respiratory protective equipment: half-mask with filter EN 149 or 29 CFR 1910.134.

The filter class must be suitable for the maximum contaminant concentration (gas/vapour/aerosol/particulates) that may arise when handling the product. If the concentration is exceeded, self-contained breathing apparatus must be used.

#### **Environmental exposure controls**

No special precautionary measures are necessary.

## 9. Physical and chemical properties

## Information on basic physical and chemical properties

Physical state: liquid

Color: not determined Odor: characteristic

pH-Value: 7,5-10,0

#### Changes in the physical state

Melting point/freezing point:

Initial boiling point and boiling range:

Sublimation point:

Softening point:

Pour point:

Flash point:

Sustaining combustion:

Not sustaining combustion

not determined
not determined
not determined
Not sustaining combustion

**Explosive properties** 

none

Lower explosion limits:

Upper explosion limits:

Iquition temperature:

not determined
not determined

**Auto-ignition temperature** 

Gas: not determined

Decomposition temperature: not determined

according to 29 CFR 1910.1200(g)

# RefectoCil deep blue

Revision date: 04.08.2017 Product code: FA0021 Page 5 of 9

Oxidizing properties

none

Vapor pressure: not determined

Density: not determined

Water solubility: not determined

Solubility in other solvents

not determined

Partition coefficient: not determined Viscosity / dynamic: not determined Viscosity / kinematic: not determined Flow time: not determined not determined Vapor density: not determined Evaporation rate: not determined Solvent separation test: Solvent content: not determined

Other information

Solid content: not determined

# 10. Stability and reactivity

#### Reactivity

No information available.

### **Chemical stability**

Stability: Stable

The product is chemically stable under recommended conditions of storage, use and temperature.

# Possibility of hazardous reactions

Hazardous reactions: Will not occur

No information available.

## **Conditions to avoid**

Protect against: UV-radiation/sunlight. heat.

#### **Incompatible materials**

Materials to avoid: Oxidizing agents, strong. Reducing agents, strong.

## **Hazardous decomposition products**

Can be released in case of fire: Carbon monoxide, Carbon dioxide (CO2). Nitrogen oxides (NOx).

# 11. Toxicological information

# Information on toxicological effects

# Route(s) of Entry

Ingestion: May be harmful if swallowed. Inhalation: May be harmful if inhaled. Skin contact: May cause irritation. May cause sensitisation by skin contact. Eye contact: May cause irritation.

## Toxicocinetics, metabolism and distribution

No data available.

## **Acute toxicity**

Based on available data, the classification criteria are not met.

according to 29 CFR 1910.1200(g)

# RefectoCil deep blue

Revision date: 04.08.2017 Product code: FA0021 Page 6 of 9

CAS No	Components	Components				
	Exposure route	Dose		Species	Source	Method
95-70-5	2,5-toluenediamine	uenediamine				
	oral	LD50 mg/kg	102	Rat	REACH Dossier	OECD Guideline 401
	dermal	ATE mg/kg	1100			
	inhalative vapour	ATE	11 mg/l			
	inhalative aerosol	ATE	1,5 mg/l			
70643-19-5	2,4-Diaminophenoxyethanol					
	oral	LD50 mg/kg	1104	Rat	ECHA Dossier	READ Across (Salt)

# Irritation and corrosivity

Based on available data, the classification criteria are not met.

#### Sensitizing effects

May cause an allergic skin reaction (2,5-toluenediamine)

### Carcinogenic/mutagenic/toxic effects for reproduction

Based on available data, the classification criteria are not met.

2.5-toluenediamine:

READ ACROSS: 2-methyl-p-phenylenediamine sulphate (CAS No. 615-50-9):

In vivo mutagenicity/genotoxicity: Method: OECD Guideline 474 (Mammalian Erythrocyte Micronucleus Test);

Result: negative.; Method: OECD Guideline 486 (Unscheduled DNA Synthesis (UDS) Test with Mammalian

Liver Cells in vivo); Result: negative. Method: single cell gel/comet assay in rodents for detection of DNA

damage; Result: negative.; Mouse); positive. (Rat); Reproductive toxicity: Exposure time: 21d. Species: Rat.;

Method: OECD Guideline 416; Result: NOAEL = >45 mg/kg(bw)/day; Developmental toxicity/teratogenicity:

Exposure time: 18d. Species: Mouse; Method: OECD Guideline 416; Result: NOAEL = 16 mg/kg(bw)/day;

Literature information: ECHA Dossier

# Specific target organ toxicity (STOT) - single exposure

Based on available data, the classification criteria are not met.

# Specific target organ toxicity (STOT) - repeated exposure

Based on available data, the classification criteria are not met.

2,5-toluenediamine:

READ ACROSS: 2-methyl-p-phenylenediamine sulphate (CAS No. 615-50-9):

Subchronic oral toxicity: Exposure time: 12 weeks. Species: Rat.; Method: OECD Guideline 408; Result:

LOAEL = 10 mg/kg/day. Literature information: ECHA Dossier;

2,4-Diaminophenoxyethanol:

READ ACROSS: [4-(2-hydroxyethoxy)-1,3-phenylene]diammonium sulphate (CAS No. 70643-20-8):

Subchronic oral toxicity: Exposure time: 90d. Species: Rat.; Method: OECD Guideline 408; Result: NOAEL =

20 mg/kg(bw)/day. Literature information: ECHA Dossier

Carcinogenicity (OSHA): No ingredient of this mixture is listed.

Carcinogenicity (IARC): 2,5-Diaminotoluene (CAS 95-70-5) is listed in group 3.

Carcinogenicity (NTP): No ingredient of this mixture is listed.

# **Aspiration hazard**

Based on available data, the classification criteria are not met.

#### Specific effects in experiment on an animal

No data available.

## 12. Ecological information

# Ecotoxicity

according to 29 CFR 1910.1200(g)

# RefectoCil deep blue

Revision date: 04.08.2017 Product code: FA0021 Page 7 of 9

The product has not been tested.

#### Persistence and degradability

The product has not been tested.

# Bioaccumulative potential

No indication of bioaccumulation potential.

#### **Mobility in soil**

No data available.

## Other adverse effects

No data available.

#### Further information

Do not allow to enter into surface water or drains.

### 13. Disposal considerations

### Waste treatment methods

# Advice on disposal

Observe in addition any national regulations! Consult the local waste disposal expert about waste disposal. Non-contaminated packages may be recycled.

#### Contaminated packaging

Handle contaminated packages in the same way as the substance itself.

### 14. Transport information

## **US DOT 49 CFR 172.101**

<u>Proper shipping name:</u> Not a hazardous material with respect to these transport regulations. &&

Not controlled under DOT

Marine transport (IMDG)

UN number:No dangerous good in sense of this transport regulation.UN proper shipping name:No dangerous good in sense of this transport regulation.Transport hazard class(es):No dangerous good in sense of this transport regulation.Packing group:No dangerous good in sense of this transport regulation.

Air transport (ICAO-TI/IATA-DGR)

UN number:No dangerous good in sense of this transport regulation.UN proper shipping name:No dangerous good in sense of this transport regulation.Transport hazard class(es):No dangerous good in sense of this transport regulation.Packing group:No dangerous good in sense of this transport regulation.

Environmental hazards

ENVIRONMENTALLY HAZARDOUS: no

# Special precautions for user

refer to chapter 6-8

#### Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

not relevant

### 15. Regulatory information

## **U.S. Regulations**

## **National Inventory TSCA**

2,5-toluenediamine not listed under TSCA 12(b) listed in the TSCA inventory

2,4-Diaminophenoxyethanol not listed under TSCA 12(b) not listed in the TSCA inventory

according to 29 CFR 1910.1200(g)

# RefectoCil deep blue

Product code: FA0021 Revision date: 04.08.2017 Page 8 of 9

### National regulatory information

SARA Section 311/312 Hazards:

- 2,5-toluenediamine (95-70-5): Immediate (acute) health hazard
- 2,4-Diaminophenoxyethanol (70643-19-5): Immediate (acute) health hazard

#### State Regulations

# Safe Drinking Water and Toxic Enforcement Act of 1986 (Proposition 65, State of California)

This product contains no chemicals known to the State of California to cause cancer, birth defects or other reproductive harm.

### 16. Other information

# **Hazardous Materials Information Label (HMIS)**

Health: Flammability: 1 Physical Hazard: 1 Personal Protection: В

# **NFPA Hazard Ratings**

Health: 1 Flammability: Reactivity: 0 Unique Hazard:



# Changes

Revision date: 04.08.2017 Revision No: 1,0

Rev. 1.0: Initial release: 04.08.2017

# Abbreviations and acronyms

ADR: Accord européen sur le transport des marchandises dangereuses par Route

CAS Chemical Abstracts Service DNEL: Derived No Effect Level

IARC: INTERNATIONAL AGENCY FOR RESEARCH ON CANCER

IMDG: International Maritime Code for Dangerous Goods

IATA: International Air Transport Association

IATA-DGR: Dangerous Goods Regulations by the "International Air Transport Association" (IATA)

ICAO: International Civil Aviation Organization

ICAO-TI: Technical Instructions by the "International Civil Aviation Organization" (ICAO)

GHS: Globally Harmonized System of Classification and Labelling of Chemicals GefStoffV: Gefahrstoffverordnung (Ordinance on Hazardous Substances, Germany)

LOAEL: Lowest observed adverse effect level

LOAEC: Lowest observed adverse effect concentration

LC50: Lethal concentration, 50 percent

LD50: Lethal dose, 50 percent

NOAEL: No observed adverse effect level NOAEC: No observed adverse effect level

NTP: National Toxicology Program

N/A: not applicable

OSHA: Occupational Safety and Health Administration

PNEC: predicted no effect concentration PBT: Persistent bioaccumulative toxic

RID: Règlement international concernant le transport des marchandises dangereuses par chemin de

fer (Regulations Concerning the International Transport of Dangerous Goods by Rail )

SARA: Superfund Amendments and Reauthorization Act

SVHC: substance of very high concern

according to 29 CFR 1910.1200(g)

# RefectoCil deep blue

Revision date: 04.08.2017 Product code: FA0021 Page 9 of 9

TRGS Technische Regeln für Gefahrstoffe TSCA: Toxic Substances Control Act VOC: Volatile Organic Compounds

VwVwS: Verwaltungsvorschrift wassergefährdender Stoffe

WGK: Wassergefährdungsklasse

#### Other data

Classification according 29 CFR Part 1910.1200: - Classification procedure:

Health hazards: Calculation method.

Environmental hazards: Calculation method.

Physical hazards: On basis of test data. and / or calculated and / or estimated.

The above information describes exclusively the safety requirements of the product and is based on our present-day knowledge. The information is intended to give you advice about the safe handling of the product named in this safety data sheet, for storage, processing, transport and disposal. The information cannot be transferred to other products. In the case of mixing the product with other products or in the case of processing, the information on this safety data sheet is not necessarily valid for the new made-up material.

(The data for the hazardous ingredients were taken respectively from the last version of the sub-contractor's safety data sheet.)

Telefax: +43 / 2235 / 47 940-39

# **Safety Data Sheet**

according to 29 CFR 1910.1200(g)

#### RefectoCil chestnut

Revision date: 07.08.2017 Product code: FA0040-EU Page 1 of 9

### 1. Identification

### **Product identifier**

RefectoCil chestnut

#### Recommended use of the chemical and restrictions on use

### Use of the substance/mixture

Cosmetics

### Uses advised against

Any non-intended use.

### Details of the supplier of the safety data sheet

Company name: GW Cosmetics GmbH Street: Achauerstrasse 49a Place: A-2333 Leopoldsdorf Telephone: +43 / 2235 / 47 940-0

Responsible Department: office@gwcosmetics.at

Emergency phone number: +43 / 2235 / 47 940-0 (09:00-16:00 CET)

**Further Information** 

This product is subject to the cosmetic regulation. This sheet was prepared on a voluntary basis.

# 2. Hazard(s) identification

# Classification of the chemical

## 29 CFR Part 1910.1200

Hazard categories:

Respiratory or skin sensitization: Skin Sens. 1

Hazard Statements:

May cause an allergic skin reaction

Environmental hazards: H412, Harmful to aquatic organisms.

## **Label elements**

## 29 CFR Part 1910.1200

Signal word: Warning

Pictograms:



#### **Hazard statements**

May cause an allergic skin reaction

## **Precautionary statements**

If medical advice is needed, have product container or label at hand.

Keep out of reach of children.

Avoid breathing dust/fume/gas/mist/vapors/spray.

Contaminated work clothing must not be allowed out of the workplace.

Wear protective gloves/protective clothing/eye protection/face protection.

If on skin: Wash with plenty of water.

If skin irritation or rash occurs: Get medical advice/attention.

Wash contaminated clothing before reuse.

Dispose of contents/container to local/regional/national/international regulations.

## Additional advice on labelling

GHS Symbols and Phrases are shown here only for information. This product is a consumer product and

according to 29 CFR 1910.1200(g)

#### RefectoCil chestnut

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labelling is regulated by the cosmetic regulation. Labelling according to 1910.1200 is not required.

#### Hazards not otherwise classified

No information available.

# 3. Composition/information on ingredients

### **Mixtures**

#### **Hazardous components**

CAS No	Components	Quantity
68891-38-3	Alcohols, C12-14(even numbered), ethoxylated EO, sulfates, sodium salts	< 2,5 %
5392-28-9	Pyrimidinetetrayltetraamine sulphate	< 1,5 %
95-70-5	2,5-toluenediamine	< 1,5 %
608-25-3	2-methylresorcinol	< 0,3 %

## 4. First-aid measures

## **Description of first aid measures**

## **General information**

In case of accident or unwellness, seek medical advice immediately (show directions for use or safety data sheet if possible).

#### After inhalation

In case of accident by inhalation: remove casualty to fresh air and keep at rest. In case of respiratory tract irritation, consult a physician.

## After contact with skin

Gently wash with plenty of soap and water. In case of skin irritation, seek medical treatment.

### After contact with eyes

Rinse cautiously with water for several minutes. In case of troubles or persistent symptoms, consult an ophthalmologist.

#### After ingestion

Rinse mouth thoroughly with water. Let water be drunken in little sips (dilution effect). Do NOT induce vomiting. In all cases of doubt, or when symptoms persist, seek medical advice.

# Most important symptoms and effects, both acute and delayed

No information available.

### Indication of any immediate medical attention and special treatment needed

Treat symptomatically.

# 5. Fire-fighting measures

# **Extinguishing media**

# Suitable extinguishing media

Carbon dioxide (CO2). Dry extinguishing powder. alcohol resistant foam. Atomized water.

# Unsuitable extinguishing media

High power water jet.

## Specific hazards arising from the chemical

Can be released in case of fire: Carbon monoxide, Carbon dioxide (CO2). Nitrogen oxides (NOx). Sulfur oxides.

## Special protective equipment and precautions for fire-fighters

In case of fire: Wear self-contained breathing apparatus.

### Additional information

Collect contaminated fire extinguishing water separately. Do not allow entering drains or surface water.

according to 29 CFR 1910.1200(g)

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Co-ordinate fire-fighting measures to the fire surroundings.

#### 6. Accidental release measures

#### Personal precautions, protective equipment and emergency procedures

See protective measures under point 7 and 8.

#### **Environmental precautions**

Discharge into the environment must be avoided.

#### Methods and material for containment and cleaning up

Absorb with liquid-binding material (e.g. sand, diatomaceous earth, acid- or universal binding agents).

Treat the recovered material as prescribed in the section on waste disposal.

Clean contaminated objects and areas thoroughly observing environmental regulations.

#### Reference to other sections

Safe handling: see section 7

Personal protection equipment: see section 8

Disposal: see section 13

## 7. Handling and storage

# Precautions for safe handling

#### Advice on safe handling

Wear suitable protective clothing. (See section 8.)

#### Advice on protection against fire and explosion

Usual measures for fire prevention.

# Further information on handling

General protection and hygiene measures: refer to chapter 8

# Conditions for safe storage, including any incompatibilities

# Requirements for storage rooms and vessels

Keep container tightly closed in a cool, well-ventilated place.

## Advice on storage compatibility

Do not store together with: Explosives. Oxidizing solids. Oxidizing liquids. Radioactive substances. Infectious substances. Food and animal feedingstuff.

#### Further information on storage conditions

Keep the packing dry and well sealed to prevent contamination and absorbtion of humidity.

Recommended storage temperature: 20°C

Protect against: Light. UV-radiation/sunlight. heat. moisture.

## 8. Exposure controls/personal protection

## **Control parameters**

# Additional advice on limit values

The following constituents are the only constituents of the product which have a PEL, TLV or other recommended exposure limit. At this time, the other constituents have no known exposure limits.

# Exposure controls

# Appropriate engineering controls

No special measures are necessary.

# Protective and hygiene measures

Always close containers tightly after the removal of product. When using do not eat, drink, smoke, sniff. Wash hands before breaks and after work.

## Eye/face protection

Wear safety glasses; chemical goggles (if splashing is possible). Standards: EN 166 or 29 CFR 1910.133

according to 29 CFR 1910.1200(g)

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# **Hand protection**

Wear suitable gloves.

Suitable material:

FKM (fluororubber). - Thickness of glove material: 0,4 mm

Breakthrough time >= 8 h

Butyl rubber. - Thickness of glove material: 0,5 mm

Breakthrough time >= 8 h

CR (polychloroprenes, Chloroprene rubber). - Thickness of glove material: 0,5 mm

Breakthrough time >= 8 h

NBR (Nitrile rubber). - Thickness of glove material: 0,35 mm

Breakthrough time >= 8 h

PVC (Polyvinyl chloride). - Thickness of glove material: 0,5 mm

Breakthrough time >= 8 h

Before using check leak tightness / impermeability. In the case of wanting to use the gloves again, clean them before taking off and air them well.

#### Skin protection

Suitable protective clothing: Lab apron.

# Respiratory protection

With correct and proper use, and under normal conditions, breathing protection is not required.

Respiratory protection necessary at:

insufficient ventilation

exceeding exposure limit values

Suitable respiratory protective equipment: half-mask with filter EN 149 or 29 CFR 1910.134 .

The filter class must be suitable for the maximum contaminant concentration (gas/vapour/aerosol/particulates) that may arise when handling the product. If the concentration is exceeded, self-contained breathing apparatus must be used.

# **Environmental exposure controls**

No special precautionary measures are necessary.

# 9. Physical and chemical properties

## Information on basic physical and chemical properties

Physical state: liquid

Color: not determined Odor: characteristic

pH-Value: 7,5-10,0

# Changes in the physical state

Melting point/freezing point:

Initial boiling point and boiling range:

Sublimation point:

Softening point:

Pour point:

Flash point:

Sustaining combustion:

Not sustaining combustion

**Explosive properties** 

none

Lower explosion limits:

Upper explosion limits:

Ignition temperature:

not determined

not determined

**Auto-ignition temperature** 

according to 29 CFR 1910.1200(g)

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Gas: not determined

Decomposition temperature: not determined

Oxidizing properties

none

Vapor pressure: not determined

Density: not determined

Water solubility: not determined

Solubility in other solvents

not determined

Partition coefficient: not determined Viscosity / dynamic: not determined Viscosity / kinematic: not determined Flow time: not determined Vapor density: not determined Evaporation rate: not determined Solvent separation test: not determined Solvent content: not determined

Other information

Solid content: not determined

### 10. Stability and reactivity

# Reactivity

No information available.

# **Chemical stability**

Stability: Stable

The product is chemically stable under recommended conditions of storage, use and temperature.

# Possibility of hazardous reactions

Hazardous reactions: Will not occur

No information available.

### **Conditions to avoid**

Protect against: UV-radiation/sunlight. heat.

## **Incompatible materials**

Materials to avoid: Oxidizing agents, strong. Reducing agents, strong.

# Hazardous decomposition products

Can be released in case of fire: Carbon monoxide, Carbon dioxide (CO2). Nitrogen oxides (NOx). Sulfur oxides.

# 11. Toxicological information

# Information on toxicological effects

## Route(s) of Entry

Ingestion: May be harmful if swallowed. Inhalation: May be harmful if inhaled. Skin contact: May cause irritation. May cause sensitisation by skin contact. Eye contact: May cause irritation.

# Toxicocinetics, metabolism and distribution

No data available.

according to 29 CFR 1910.1200(g)

# RefectoCil chestnut

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#### **Acute toxicity**

Based on available data, the classification criteria are not met.

CAS No	Components						
	Exposure route	Dose		Species	Source	Method	
68891-38-3	11-38-3 Alcohols, C12-14(even numbered), ethoxylated EO, sulfates, sodium sa			n salts			
	oral	LD50 mg/kg	4100	Rat	ECHA		
	dermal	LD50 mg/kg	>2000	Rat	ECHA		
95-70-5							
	oral	LD50 mg/kg	102	Rat	REACH Dossier	OECD Guideline 401	
	dermal	ATE mg/kg	1100				
	inhalative vapour	ATE	11 mg/l				
	inhalative aerosol	ATE	1,5 mg/l				
608-25-3	2-methylresorcinol						
	oral	ATE mg/kg	100				

#### Irritation and corrosivity

Based on available data, the classification criteria are not met.

Alcohols, C12-14(even numbered), ethoxylated EO, sulfates, sodium salts:

Skin Irrit. 2 - Specific concentration limit (SCL): >= 5 - < 10 %

Eye Dam. 1 - Specific concentration limit (SCL): >= 10 %

## Sensitizing effects

May cause an allergic skin reaction (2,5-toluenediamine; 2-methylresorcinol)

#### Carcinogenic/mutagenic/toxic effects for reproduction

Based on available data, the classification criteria are not met.

2.5-toluenediamine:

READ ACROSS: 2-methyl-p-phenylenediamine sulphate (CAS No. 615-50-9):

In vivo mutagenicity/genotoxicity: Method: OECD Guideline 474 (Mammalian Erythrocyte Micronucleus Test); Result: negative.; Method: OECD Guideline 486 (Unscheduled DNA Synthesis (UDS) Test with Mammalian Liver Cells in vivo); Result: negative. Method: single cell gel/comet assay in rodents for detection of DNA damage; Result: negative.; Mouse); positive. (Rat); Reproductive toxicity: Exposure time: 21d. Species: Rat.; Method: OECD Guideline 416; Result: NOAEL = >45 mg/kg(bw)/day; Developmental toxicity/teratogenicity: Exposure time: 18d. Species: Mouse; Method: OECD Guideline 416; Result: NOAEL = 16 mg/kg(bw)/day; Literature information: ECHA Dossier

Alcohols, C12-14(even numbered), ethoxylated EO, sulfates, sodium salts:

In-vitro mutagenicity: Method: OECD Guideline 471 (Bacterial Reverse Mutation Assay); Result: negative.; Literature information: ECHA Dossier; Reproductive toxicity: Method: OECD Guideline 416 (Two-Generation Reproduction Toxicity Study); Species: Rat; Results: NOAEL >= 300 mg/kg. Literature information: ECHA Dossier; Developmental toxicity/teratogenicity: Method: OECD Guideline 414 (Prenatal Developmental Toxicity Study); Species: Rat; Results: NOAEL = 1000 mg/kg; Literature information: ECHA Dossier

# Specific target organ toxicity (STOT) - single exposure

Based on available data, the classification criteria are not met.

Specific target organ toxicity (STOT) - repeated exposure

according to 29 CFR 1910.1200(g)

## RefectoCil chestnut

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Based on available data, the classification criteria are not met.

2,5-toluenediamine:

READ ACROSS: 2-methyl-p-phenylenediamine sulphate (CAS No. 615-50-9):

Subchronic oral toxicity: Exposure time: 12 weeks. Species: Rat.; Method: OECD Guideline 408; Result:

LOAEL = 10 mg/kg/day. Literature information: ECHA Dossier;

Alcohols, C12-14(even numbered), ethoxylated EO, sulfates, sodium salts:

Subchronic oral toxicity: Method: OECD Guideline 408 (Repeated Dose 90-Day Oral Toxicity in Rodents); Species: Rat; Exposure duration: 90 d. Result: NOAEL = 225 mg/kg; Literature information: ECHA Dossier

Carcinogenicity (OSHA): No ingredient of this mixture is listed.

Carcinogenicity (IARC): 2,5-Diaminotoluene (CAS 95-70-5) is listed in group 3.

Carcinogenicity (NTP): No ingredient of this mixture is listed.

**Aspiration hazard** 

Based on available data, the classification criteria are not met.

### Specific effects in experiment on an animal

No data available.

# 12. Ecological information

## **Ecotoxicity**

The product has not been tested.

#### Persistence and degradability

The product has not been tested.

## Bioaccumulative potential

No indication of bioaccumulation potential.

#### Mobility in soil

No data available.

# Other adverse effects

No data available.

#### **Further information**

Do not allow to enter into surface water or drains.

# 13. Disposal considerations

### Waste treatment methods

#### Advice on disposal

Observe in addition any national regulations! Consult the local waste disposal expert about waste disposal. Non-contaminated packages may be recycled.

# Contaminated packaging

Handle contaminated packages in the same way as the substance itself.

## 14. Transport information

### **US DOT 49 CFR 172.101**

<u>Proper shipping name:</u> Not a hazardous material with respect to these transport regulations. &&

Not controlled under DOT

Marine transport (IMDG)

UN number:No dangerous good in sense of this transport regulation.UN proper shipping name:No dangerous good in sense of this transport regulation.Transport hazard class(es):No dangerous good in sense of this transport regulation.Packing group:No dangerous good in sense of this transport regulation.

Air transport (ICAO-TI/IATA-DGR)

according to 29 CFR 1910.1200(g)

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UN number:No dangerous good in sense of this transport regulation.UN proper shipping name:No dangerous good in sense of this transport regulation.Transport hazard class(es):No dangerous good in sense of this transport regulation.Packing group:No dangerous good in sense of this transport regulation.

**Environmental hazards** 

ENVIRONMENTALLY HAZARDOUS: no

Special precautions for user

refer to chapter 6-8

Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

not relevant

# 15. Regulatory information

### **U.S. Regulations**

#### **National Inventory TSCA**

2,5-toluenediamine not listed under TSCA 12(b) listed in the TSCA inventory

Alcohols, C12-14(even numbered), ethoxylated EO, sulfates, sodium salts not listed under TSCA 12(b) listed in the TSCA inventory

2-methylresorcinol listed under TSCA 12(b) listed in the TSCA inventory

Pyrimidinetetrayltetraamine sulphate not listed under TSCA 12(b) listed in the TSCA inventory

### **National regulatory information**

SARA Section 311/312 Hazards:

Alcohols, C12-14(even numbered), ethoxylated EO, sulfates, sodium salts (68891-38-3): Immediate (acute) health hazard

Pyrimidinetetrayltetraamine sulphate (5392-28-9): Immediate (acute) health hazard

2,5-toluenediamine (95-70-5): Immediate (acute) health hazard

2-methylresorcinol (608-25-3): Immediate (acute) health hazard

# State Regulations

# Safe Drinking Water and Toxic Enforcement Act of 1986 (Proposition 65, State of California)

This product contains no chemicals known to the State of California to cause cancer, birth defects or other reproductive harm.

## 16. Other information

# **Hazardous Materials Information Label (HMIS)**

Health:2Flammability:1Physical Hazard:1Personal Protection:B

# **NFPA Hazard Ratings**

Health: 1
Flammability: 1
Reactivity: 0
Unique Hazard: -

Changes

Revision date: 07.08.2017 Revision No: 1,0

Rev. 1.0; Initial release: 07.08.2017

## Abbreviations and acronyms

ADR: Accord européen sur le transport des marchandises dangereuses par Route



according to 29 CFR 1910.1200(g)

### RefectoCil chestnut

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CAS Chemical Abstracts Service DNEL: Derived No Effect Level

IARC: INTERNATIONAL AGENCY FOR RESEARCH ON CANCER

IMDG: International Maritime Code for Dangerous Goods

IATA: International Air Transport Association

IATA-DGR: Dangerous Goods Regulations by the "International Air Transport Association" (IATA)

ICAO: International Civil Aviation Organization

ICAO-TI: Technical Instructions by the "International Civil Aviation Organization" (ICAO)

GHS: Globally Harmonized System of Classification and Labelling of Chemicals GefStoffV: Gefahrstoffverordnung (Ordinance on Hazardous Substances, Germany)

LOAEL: Lowest observed adverse effect level

LOAEC: Lowest observed adverse effect concentration

LC50: Lethal concentration, 50 percent

LD50: Lethal dose, 50 percent

NOAEL: No observed adverse effect level NOAEC: No observed adverse effect level

NTP: National Toxicology Program

N/A: not applicable

OSHA: Occupational Safety and Health Administration

PNEC: predicted no effect concentration PBT: Persistent bioaccumulative toxic

RID: Règlement international concernant le transport des marchandises dangereuses par chemin de

fer (Regulations Concerning the International Transport of Dangerous Goods by Rail )

SARA: Superfund Amendments and Reauthorization Act

SVHC: substance of very high concern TRGS Technische Regeln für Gefahrstoffe TSCA: Toxic Substances Control Act VOC: Volatile Organic Compounds

VwVwS: Verwaltungsvorschrift wassergefährdender Stoffe

WGK: Wassergefährdungsklasse

#### Other data

Classification according 29 CFR Part 1910.1200: - Classification procedure:

Health hazards: Calculation method. Environmental hazards: Calculation method.

Physical hazards: On basis of test data. and / or calculated and / or estimated.

The above information describes exclusively the safety requirements of the product and is based on our present-day knowledge. The information is intended to give you advice about the safe handling of the product named in this safety data sheet, for storage, processing, transport and disposal. The information cannot be transferred to other products. In the case of mixing the product with other products or in the case of processing, the information on this safety data sheet is not necessarily valid for the new made-up material.

(The data for the hazardous ingredients were taken respectively from the last version of the sub-contractor's safety data sheet.)

Telefax: +43 / 2235 / 47 940-39

# **Safety Data Sheet**

according to 29 CFR 1910.1200(g)

#### RefectoCil brown

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#### 1. Identification

# **Product identifier**

RefectoCil brown

# Recommended use of the chemical and restrictions on use

#### Use of the substance/mixture

Cosmetics

#### Uses advised against

Any non-intended use.

#### Details of the supplier of the safety data sheet

Company name: GW Cosmetics GmbH Street: Achauerstrasse 49a Place: A-2333 Leopoldsdorf Telephone: +43 / 2235 / 47 940-0

Responsible Department: office@gwcosmetics.at

Emergency phone number: +43 / 2235 / 47 940-0 (09:00-16:00 CET)

**Further Information** 

This product is subject to the cosmetic regulation. This sheet was prepared on a voluntary basis.

# 2. Hazard(s) identification

# Classification of the chemical

#### 29 CFR Part 1910.1200

Hazard categories:

Respiratory or skin sensitization: Skin Sens. 1

Hazard Statements:

May cause an allergic skin reaction

Environmental hazards: H412, Harmful to aquatic organisms.

#### **Label elements**

# 29 CFR Part 1910.1200

Signal word: Warning

Pictograms:



#### **Hazard statements**

May cause an allergic skin reaction

# **Precautionary statements**

If medical advice is needed, have product container or label at hand.

Keep out of reach of children.

Avoid breathing dust/fume/gas/mist/vapors/spray.

Contaminated work clothing must not be allowed out of the workplace.

Wear protective gloves/protective clothing/eye protection/face protection.

If on skin: Wash with plenty of water.

If skin irritation or rash occurs: Get medical advice/attention.

Wash contaminated clothing before reuse.

Dispose of contents/container to local/regional/national/international regulations.

### Additional advice on labelling

GHS Symbols and Phrases are shown here only for information. This product is a consumer product and

according to 29 CFR 1910.1200(g)

#### RefectoCil brown

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labelling is regulated by the cosmetic regulation. Labelling according to 1910.1200 is not required.

#### Hazards not otherwise classified

No information available.

# 3. Composition/information on ingredients

#### **Mixtures**

#### Hazardous components

CAS No	Components	Quantity
95-70-5	2,5-toluenediamine	< 5 %

#### 4. First-aid measures

#### Description of first aid measures

#### **General information**

In case of accident or unwellness, seek medical advice immediately (show directions for use or safety data sheet if possible).

#### After inhalation

In case of accident by inhalation: remove casualty to fresh air and keep at rest. In case of respiratory tract irritation, consult a physician.

#### After contact with skin

Gently wash with plenty of soap and water. In case of skin irritation, seek medical treatment.

### After contact with eyes

Rinse cautiously with water for several minutes. In case of troubles or persistent symptoms, consult an ophthalmologist.

#### After ingestion

Rinse mouth thoroughly with water. Let water be drunken in little sips (dilution effect). Do NOT induce vomiting. In all cases of doubt, or when symptoms persist, seek medical advice.

# Most important symptoms and effects, both acute and delayed

No information available.

# Indication of any immediate medical attention and special treatment needed

Treat symptomatically.

# 5. Fire-fighting measures

### **Extinguishing media**

### Suitable extinguishing media

Carbon dioxide (CO2). Dry extinguishing powder. alcohol resistant foam. Atomized water.

### Unsuitable extinguishing media

High power water jet.

### Specific hazards arising from the chemical

Can be released in case of fire: Carbon monoxide, Carbon dioxide (CO2). Nitrogen oxides (NOx).

# Special protective equipment and precautions for fire-fighters

In case of fire: Wear self-contained breathing apparatus.

# Additional information

Collect contaminated fire extinguishing water separately. Do not allow entering drains or surface water.

Co-ordinate fire-fighting measures to the fire surroundings.

#### 6. Accidental release measures

# Personal precautions, protective equipment and emergency procedures

according to 29 CFR 1910.1200(g)

#### RefectoCil brown

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See protective measures under point 7 and 8.

#### **Environmental precautions**

Discharge into the environment must be avoided.

### Methods and material for containment and cleaning up

Absorb with liquid-binding material (e.g. sand, diatomaceous earth, acid- or universal binding agents).

Treat the recovered material as prescribed in the section on waste disposal.

Clean contaminated objects and areas thoroughly observing environmental regulations.

### Reference to other sections

Safe handling: see section 7

Personal protection equipment: see section 8

Disposal: see section 13

# 7. Handling and storage

#### Precautions for safe handling

#### Advice on safe handling

Wear suitable protective clothing. (See section 8.)

#### Advice on protection against fire and explosion

Usual measures for fire prevention.

#### Further information on handling

General protection and hygiene measures: refer to chapter 8

### Conditions for safe storage, including any incompatibilities

#### Requirements for storage rooms and vessels

Keep container tightly closed in a cool, well-ventilated place.

#### Advice on storage compatibility

Do not store together with: Explosives. Oxidizing solids. Oxidizing liquids. Radioactive substances. Infectious substances. Food and animal feedingstuff.

# Further information on storage conditions

Keep the packing dry and well sealed to prevent contamination and absorbtion of humidity.

Recommended storage temperature: 20°C

Protect against: Light. UV-radiation/sunlight. heat. moisture.

### 8. Exposure controls/personal protection

#### **Control parameters**

#### Additional advice on limit values

The following constituents are the only constituents of the product which have a PEL, TLV or other recommended exposure limit. At this time, the other constituents have no known exposure limits.

#### **Exposure controls**

### Appropriate engineering controls

No special measures are necessary.

#### Protective and hygiene measures

Always close containers tightly after the removal of product. When using do not eat, drink, smoke, sniff. Wash hands before breaks and after work.

### Eye/face protection

Wear safety glasses; chemical goggles (if splashing is possible). Standards: EN 166 or 29 CFR 1910.133

### Hand protection

Wear suitable gloves.

Suitable material:

FKM (fluororubber). - Thickness of glove material: 0,4 mm

Breakthrough time >= 8 h

according to 29 CFR 1910.1200(g)

#### RefectoCil brown

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Butyl rubber. - Thickness of glove material: 0,5 mm

Breakthrough time >= 8 h

CR (polychloroprenes, Chloroprene rubber). - Thickness of glove material: 0,5 mm

Breakthrough time >= 8 h

NBR (Nitrile rubber). - Thickness of glove material: 0,35 mm

Breakthrough time >= 8 h

PVC (Polyvinyl chloride). - Thickness of glove material: 0,5 mm

Breakthrough time >= 8 h

Before using check leak tightness / impermeability. In the case of wanting to use the gloves again, clean them before taking off and air them well.

# Skin protection

Suitable protective clothing: Lab apron.

#### Respiratory protection

With correct and proper use, and under normal conditions, breathing protection is not required.

Respiratory protection necessary at:

insufficient ventilation

exceeding exposure limit values

Suitable respiratory protective equipment: half-mask with filter EN 149 or 29 CFR 1910.134.

The filter class must be suitable for the maximum contaminant concentration (gas/vapour/aerosol/particulates) that may arise when handling the product. If the concentration is exceeded, self-contained breathing apparatus must be used.

#### **Environmental exposure controls**

No special precautionary measures are necessary.

#### 9. Physical and chemical properties

# Information on basic physical and chemical properties

Physical state: liquid

Color: not determined Odor: characteristic

pH-Value: 7,5-10,0

#### Changes in the physical state

Melting point/freezing point:

Initial boiling point and boiling range:

Sublimation point:

Softening point:

Pour point:

Flash point:

Sustaining combustion:

Not sustaining combustion

**Explosive properties** 

none

Lower explosion limits:

Upper explosion limits:

Ignition temperature:

not determined

not determined

**Auto-ignition temperature** 

Gas: not determined

Decomposition temperature: not determined

**Oxidizing properties** 

none

according to 29 CFR 1910.1200(g)

	RefectoCil brown	
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Vapor pressure: not determined

Density: not determined

Water solubility: not determined

Solubility in other solvents

not determined

Partition coefficient: not determined Viscosity / dynamic: not determined Viscosity / kinematic: not determined Flow time: not determined Vapor density: not determined Evaporation rate: not determined not determined Solvent separation test: not determined Solvent content:

Other information

Solid content: not determined

# 10. Stability and reactivity

# Reactivity

No information available.

#### **Chemical stability**

Stability: Stable

The product is chemically stable under recommended conditions of storage, use and temperature.

# Possibility of hazardous reactions

Hazardous reactions: Will not occur

No information available.

# **Conditions to avoid**

Protect against: UV-radiation/sunlight. heat.

#### **Incompatible materials**

Materials to avoid: Oxidizing agents, strong. Reducing agents, strong.

#### **Hazardous decomposition products**

Can be released in case of fire: Carbon monoxide, Carbon dioxide (CO2). Nitrogen oxides (NOx).

# 11. Toxicological information

# Information on toxicological effects

### Route(s) of Entry

Ingestion: May be harmful if swallowed. Inhalation: May be harmful if inhaled. Skin contact: May cause irritation. May cause sensitisation by skin contact. Eye contact: May cause irritation.

### Toxicocinetics, metabolism and distribution

No data available.

# **Acute toxicity**

Based on available data, the classification criteria are not met.

according to 29 CFR 1910.1200(g)

# RefectoCil brown Product code: FA0030.

1,5 mg/l

Product code: FA0030.

Page 6 of 9

Species

Source

Method

102

Rat

REACH Dossier

OECD Guideline 401

11 mg/l

### Irritation and corrosivity

oral

dermal

Based on available data, the classification criteria are not met.

Dose

LD50

mg/kg ATE

mg/kg ATE

ATE

#### Sensitizing effects

Revision date: 08.09.2017

Components

Exposure route

2,5-toluenediamine

inhalative vapour

inhalative aerosol

CAS No

95-70-5

May cause an allergic skin reaction (2,5-toluenediamine)

### Carcinogenic/mutagenic/toxic effects for reproduction

Based on available data, the classification criteria are not met.

2,5-toluenediamine:

READ ACROSS: 2-methyl-p-phenylenediamine sulphate (CAS No. 615-50-9):

In vivo mutagenicity/genotoxicity: Method: OECD Guideline 474 (Mammalian Erythrocyte Micronucleus Test);

Result: negative.; Method: OECD Guideline 486 (Unscheduled DNA Synthesis (UDS) Test with Mammalian

Liver Cells in vivo); Result: negative. Method: single cell gel/comet assay in rodents for detection of DNA

damage; Result: negative.; Mouse); positive. (Rat); Reproductive toxicity: Exposure time: 21d. Species: Rat.;

Method: OECD Guideline 416; Result: NOAEL = >45 mg/kg(bw)/day; Developmental toxicity/teratogenicity:

Exposure time: 18d. Species: Mouse; Method: OECD Guideline 416; Result: NOAEL = 16 mg/kg(bw)/day;

Literature information: ECHA Dossier

### Specific target organ toxicity (STOT) - single exposure

Based on available data, the classification criteria are not met.

# Specific target organ toxicity (STOT) - repeated exposure

Based on available data, the classification criteria are not met.

2,5-toluenediamine:

READ ACROSS: 2-methyl-p-phenylenediamine sulphate (CAS No. 615-50-9):

Subchronic oral toxicity: Exposure time: 12 weeks. Species: Rat.; Method: OECD Guideline 408; Result:

LOAEL = 10 mg/kg/day. Literature information: ECHA Dossier;

Carcinogenicity (OSHA): No ingredient of this mixture is listed.

Carcinogenicity (IARC): 2,5-Diaminotoluene (CAS 95-70-5) is listed in group 3.

Carcinogenicity (NTP): No ingredient of this mixture is listed.

#### **Aspiration hazard**

Based on available data, the classification criteria are not met.

#### Specific effects in experiment on an animal

No data available.

# 12. Ecological information

# **Ecotoxicity**

The product has not been tested.

# Persistence and degradability

The product has not been tested.

### **Bioaccumulative potential**

No indication of bioaccumulation potential.

### **Mobility in soil**

No data available.

according to 29 CFR 1910.1200(g)

#### RefectoCil brown

Revision date: 08.09.2017 Product code: FA0030. Page 7 of 9

#### Other adverse effects

No data available.

#### **Further information**

Do not allow to enter into surface water or drains.

# 13. Disposal considerations

#### Waste treatment methods

#### Advice on disposal

Observe in addition any national regulations! Consult the local waste disposal expert about waste disposal. Non-contaminated packages may be recycled.

# Contaminated packaging

Handle contaminated packages in the same way as the substance itself.

#### 14. Transport information

#### **US DOT 49 CFR 172.101**

Proper shipping name: Not a hazardous material with respect to these transport regulations. &&

Not controlled under DOT

Marine transport (IMDG)

UN number:No dangerous good in sense of this transport regulation.UN proper shipping name:No dangerous good in sense of this transport regulation.Transport hazard class(es):No dangerous good in sense of this transport regulation.Packing group:No dangerous good in sense of this transport regulation.

Air transport (ICAO-TI/IATA-DGR)

UN number:No dangerous good in sense of this transport regulation.UN proper shipping name:No dangerous good in sense of this transport regulation.Transport hazard class(es):No dangerous good in sense of this transport regulation.Packing group:No dangerous good in sense of this transport regulation.

**Environmental hazards** 

ENVIRONMENTALLY HAZARDOUS: no

# Special precautions for user

refer to chapter 6-8

#### Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

not relevant

# 15. Regulatory information

# **U.S. Regulations**

#### **National Inventory TSCA**

2,5-toluenediamine not listed under TSCA 12(b) listed in the TSCA inventory

#### National regulatory information

SARA Section 311/312 Hazards:

2,5-toluenediamine (95-70-5): Immediate (acute) health hazard

### **State Regulations**

#### Safe Drinking Water and Toxic Enforcement Act of 1986 (Proposition 65, State of California)

This product contains no chemicals known to the State of California to cause cancer, birth defects or other reproductive harm.

according to 29 CFR 1910.1200(g)

# RefectoCil brown

Revision date: 08.09.2017 Product code: FA0030. Page 8 of 9

#### 16. Other information

#### **Hazardous Materials Information Label (HMIS)**

Health: Flammability: 1 Physical Hazard: 1 Personal Protection: В

#### **NFPA Hazard Ratings**

Health: 1 Flammability: Reactivity: n Unique Hazard:



#### Changes

Revision date: 08.09.2017 Revision No: 1,0

Rev. 1.0: Initial release: 08.09.2017

# Abbreviations and acronyms

ADR: Accord européen sur le transport des marchandises dangereuses par Route

CAS Chemical Abstracts Service DNEL: Derived No Effect Level

IARC: INTERNATIONAL AGENCY FOR RESEARCH ON CANCER

IMDG: International Maritime Code for Dangerous Goods

IATA: International Air Transport Association

IATA-DGR: Dangerous Goods Regulations by the "International Air Transport Association" (IATA)

ICAO: International Civil Aviation Organization

ICAO-TI: Technical Instructions by the "International Civil Aviation Organization" (ICAO)

GHS: Globally Harmonized System of Classification and Labelling of Chemicals GefStoffV: Gefahrstoffverordnung (Ordinance on Hazardous Substances, Germany)

LOAEL: Lowest observed adverse effect level

LOAEC: Lowest observed adverse effect concentration

LC50: Lethal concentration, 50 percent

LD50: Lethal dose, 50 percent

NOAEL: No observed adverse effect level NOAEC: No observed adverse effect level NTP: National Toxicology Program

N/A: not applicable

OSHA: Occupational Safety and Health Administration

PNEC: predicted no effect concentration PBT: Persistent bioaccumulative toxic

RID: Règlement international concernant le transport des marchandises dangereuses par chemin de

fer (Regulations Concerning the International Transport of Dangerous Goods by Rail )

SARA: Superfund Amendments and Reauthorization Act

SVHC: substance of very high concern TRGS Technische Regeln fuerGefahrstoffe TSCA: Toxic Substances Control Act VOC: Volatile Organic Compounds

VwVwS: Verwaltungsvorschrift wassergefaehrdender Stoffe

WGK: Wassergefaehrdungsklasse

#### Other data

Classification according 29 CFR Part 1910.1200: - Classification procedure:

Health hazards: Calculation method. Environmental hazards: Calculation method.

according to 29 CFR 1910.1200(g)

### RefectoCil brown

Revision date: 08.09.2017 Product code: FA0030. Page 9 of 9

Physical hazards: On basis of test data. and / or calculated and / or estimated.

The above information describes exclusively the safety requirements of the product and is based on our present-day knowledge. The information is intended to give you advice about the safe handling of the product named in this safety data sheet, for storage, processing, transport and disposal. The information cannot be transferred to other products. In the case of mixing the product with other products or in the case of processing, the information on this safety data sheet is not necessarily valid for the new made-up material.

(The data for the hazardous ingredients were taken respectively from the last version of the sub-contractor's safety data sheet.)

Telefax: +43 / 2235 / 47 940-39

# **Safety Data Sheet**

according to 29 CFR 1910.1200(g)

#### RefectoCil blueblack

Revision date: 04.08.2017 Product code: FA0020 Page 1 of 9

#### 1. Identification

#### **Product identifier**

RefectoCil blueblack

#### Recommended use of the chemical and restrictions on use

#### Use of the substance/mixture

Cosmetics

#### Uses advised against

Any non-intended use.

#### Details of the supplier of the safety data sheet

Company name: GW Cosmetics GmbH Street: Achauerstrasse 49a Place: A-2333 Leopoldsdorf Telephone: +43 / 2235 / 47 940-0

Responsible Department: office@gwcosmetics.at

Emergency phone number: +43 / 2235 / 47 940-0 (09:00-16:00 CET)

**Further Information** 

This product is subject to the cosmetic regulation. This sheet was prepared on a voluntary basis.

# 2. Hazard(s) identification

# Classification of the chemical

#### 29 CFR Part 1910.1200

Hazard categories:

Respiratory or skin sensitization: Skin Sens. 1

Hazard Statements:

May cause an allergic skin reaction

Environmental hazards: H412, Harmful to aquatic organisms.

### **Label elements**

### 29 CFR Part 1910.1200

Signal word: Warning

Pictograms:



#### **Hazard statements**

May cause an allergic skin reaction

### **Precautionary statements**

If medical advice is needed, have product container or label at hand.

Keep out of reach of children.

Avoid breathing dust/fume/gas/mist/vapors/spray.

Contaminated work clothing must not be allowed out of the workplace.

Wear protective gloves/protective clothing/eye protection/face protection.

If on skin: Wash with plenty of water.

If skin irritation or rash occurs: Get medical advice/attention.

Wash contaminated clothing before reuse.

Dispose of contents/container to local/regional/national/international regulations.

# Additional advice on labelling

GHS Symbols and Phrases are shown here only for information. This product is a consumer product and

according to 29 CFR 1910.1200(g)

#### RefectoCil blueblack

Revision date: 04.08.2017 Product code: FA0020 Page 2 of 9

labelling is regulated by the cosmetic regulation. Labelling according to 1910.1200 is not required.

#### Hazards not otherwise classified

No information available.

# 3. Composition/information on ingredients

#### **Mixtures**

#### **Hazardous components**

CAS No	Components	Quantity
95-70-5	2,5-toluenediamine	< 5 %

#### 4. First-aid measures

### **Description of first aid measures**

#### **General information**

In case of accident or unwellness, seek medical advice immediately (show directions for use or safety data sheet if possible).

# After inhalation

In case of accident by inhalation: remove casualty to fresh air and keep at rest. In case of respiratory tract irritation, consult a physician.

#### After contact with skin

Gently wash with plenty of soap and water. In case of skin irritation, seek medical treatment.

#### After contact with eyes

Rinse cautiously with water for several minutes. In case of troubles or persistent symptoms, consult an ophthalmologist.

#### After ingestion

Rinse mouth thoroughly with water. Let water be drunken in little sips (dilution effect). Do NOT induce vomiting. In all cases of doubt, or when symptoms persist, seek medical advice.

# Most important symptoms and effects, both acute and delayed

No information available.

# Indication of any immediate medical attention and special treatment needed

Treat symptomatically.

# 5. Fire-fighting measures

#### **Extinguishing media**

# Suitable extinguishing media

Carbon dioxide (CO2). Dry extinguishing powder. alcohol resistant foam. Atomized water.

# Unsuitable extinguishing media

High power water jet.

### Specific hazards arising from the chemical

Can be released in case of fire: Carbon monoxide, Carbon dioxide (CO2). Nitrogen oxides (NOx).

### Special protective equipment and precautions for fire-fighters

In case of fire: Wear self-contained breathing apparatus.

# Additional information

Collect contaminated fire extinguishing water separately. Do not allow entering drains or surface water.

Co-ordinate fire-fighting measures to the fire surroundings.

#### 6. Accidental release measures

# Personal precautions, protective equipment and emergency procedures

according to 29 CFR 1910.1200(g)

### RefectoCil blueblack

Revision date: 04.08.2017 Product code: FA0020 Page 3 of 9

See protective measures under point 7 and 8.

#### **Environmental precautions**

Discharge into the environment must be avoided.

#### Methods and material for containment and cleaning up

Absorb with liquid-binding material (e.g. sand, diatomaceous earth, acid- or universal binding agents).

Treat the recovered material as prescribed in the section on waste disposal.

Clean contaminated objects and areas thoroughly observing environmental regulations.

# Reference to other sections

Safe handling: see section 7

Personal protection equipment: see section 8

Disposal: see section 13

# 7. Handling and storage

### Precautions for safe handling

### Advice on safe handling

Wear suitable protective clothing. (See section 8.)

# Advice on protection against fire and explosion

Usual measures for fire prevention.

#### Further information on handling

General protection and hygiene measures: refer to chapter 8

# Conditions for safe storage, including any incompatibilities

# Requirements for storage rooms and vessels

Keep container tightly closed in a cool, well-ventilated place.

# Advice on storage compatibility

Do not store together with: Explosives. Oxidizing solids. Oxidizing liquids. Radioactive substances. Infectious substances. Food and animal feedingstuff.

# Further information on storage conditions

Keep the packing dry and well sealed to prevent contamination and absorbtion of humidity.

Recommended storage temperature: 20°C

Protect against: Light. UV-radiation/sunlight. heat. moisture.

#### 8. Exposure controls/personal protection

### **Control parameters**

### Additional advice on limit values

The following constituents are the only constituents of the product which have a PEL, TLV or other recommended exposure limit. At this time, the other constituents have no known exposure limits.

#### **Exposure controls**

### Appropriate engineering controls

No special measures are necessary.

#### Protective and hygiene measures

Always close containers tightly after the removal of product. When using do not eat, drink, smoke, sniff. Wash hands before breaks and after work.

### Eye/face protection

Wear safety glasses; chemical goggles (if splashing is possible). Standards: EN 166 or 29 CFR 1910.133

### Hand protection

Wear suitable gloves.

Suitable material:

FKM (fluororubber). - Thickness of glove material: 0,4 mm

Breakthrough time >= 8 h

according to 29 CFR 1910.1200(g)

### RefectoCil blueblack

Revision date: 04.08.2017 Product code: FA0020 Page 4 of 9

Butyl rubber. - Thickness of glove material: 0,5 mm

Breakthrough time >= 8 h

CR (polychloroprenes, Chloroprene rubber). - Thickness of glove material: 0,5 mm

Breakthrough time >= 8 h

NBR (Nitrile rubber). - Thickness of glove material: 0,35 mm

Breakthrough time >= 8 h

PVC (Polyvinyl chloride). - Thickness of glove material: 0,5 mm

Breakthrough time >= 8 h

Before using check leak tightness / impermeability. In the case of wanting to use the gloves again, clean them

before taking off and air them well.

# Skin protection

Suitable protective clothing: Lab apron.

# Respiratory protection

With correct and proper use, and under normal conditions, breathing protection is not required.

Respiratory protection necessary at:

insufficient ventilation

exceeding exposure limit values

Suitable respiratory protective equipment: half-mask with filter EN 149 or 29 CFR 1910.134 .

The filter class must be suitable for the maximum contaminant concentration (gas/vapour/aerosol/particulates) that may arise when handling the product. If the concentration is exceeded, self-contained breathing apparatus must be used.

#### **Environmental exposure controls**

No special precautionary measures are necessary.

#### 9. Physical and chemical properties

# Information on basic physical and chemical properties

Physical state: liquid

Color: not determined Odor: characteristic

pH-Value: 7,5-10,0

#### Changes in the physical state

Melting point/freezing point:

Initial boiling point and boiling range:

Sublimation point:

Softening point:

Pour point:

Flash point:

Sustaining combustion:

Not sustaining combustion

**Explosive properties** 

none

Lower explosion limits:

Upper explosion limits:

Iquition temperature:

not determined
not determined

**Auto-ignition temperature** 

Gas: not determined

Decomposition temperature: not determined

**Oxidizing properties** 

none

according to 29 CFR 1910.1200(g)

not determined

	RefectoCil blueblack	
Revision date: 04.08.2017	Product code: FA0020	Page 5 of 9

Vapor pressure: not determined

Density: not determined

Water solubility: not determined

Solubility in other solvents

not determined

Partition coefficient:

Viscosity / dynamic:

not determined

Viscosity / kinematic:

not determined

Flow time:

not determined

Vapor density:

not determined

Evaporation rate:

not determined

solvent separation test:

not determined

Other information

Solvent content:

Solid content: not determined

# 10. Stability and reactivity

#### Reactivity

No information available.

#### **Chemical stability**

Stability: Stable

The product is chemically stable under recommended conditions of storage, use and temperature.

# Possibility of hazardous reactions

Hazardous reactions: Will not occur

No information available.

### **Conditions to avoid**

Protect against: UV-radiation/sunlight. heat.

#### Incompatible materials

Materials to avoid: Oxidizing agents, strong. Reducing agents, strong.

#### Hazardous decomposition products

Can be released in case of fire: Carbon monoxide, Carbon dioxide (CO2). Nitrogen oxides (NOx).

# 11. Toxicological information

# Information on toxicological effects

### Route(s) of Entry

Ingestion: May be harmful if swallowed. Inhalation: May be harmful if inhaled. Skin contact: May cause irritation. May cause sensitisation by skin contact. Eye contact: May cause irritation.

### Toxicocinetics, metabolism and distribution

No data available.

#### **Acute toxicity**

Based on available data, the classification criteria are not met.

according to 29 CFR 1910.1200(g)

# RefectoCil blueblack

Revision date: 04.08.2017 Product code: FA0020 Page 6 of 9

CAS No	Components					
	Exposure route	Dose		Species	Source	Method
95-70-5	2,5-toluenediamine					
	oral	LD50 mg/kg	102	Rat	REACH Dossier	OECD Guideline 401
	dermal	ATE mg/kg	1100			
	inhalative vapour	ATE	11 mg/l			
	inhalative aerosol	ATE	1,5 mg/l			

### Irritation and corrosivity

Based on available data, the classification criteria are not met.

#### Sensitizing effects

May cause an allergic skin reaction (2,5-toluenediamine)

#### Carcinogenic/mutagenic/toxic effects for reproduction

Based on available data, the classification criteria are not met.

2,5-toluenediamine:

READ ACROSS: 2-methyl-p-phenylenediamine sulphate (CAS No. 615-50-9):

In vivo mutagenicity/genotoxicity: Method: OECD Guideline 474 (Mammalian Erythrocyte Micronucleus Test); Result: negative.; Method: OECD Guideline 486 (Unscheduled DNA Synthesis (UDS) Test with Mammalian

Liver Cells in vivo); Result: negative. Method: single cell gel/comet assay in rodents for detection of DNA

damage; Result: negative.; Mouse); positive. (Rat); Reproductive toxicity: Exposure time: 21d. Species: Rat.;

 $Method: OECD \ Guideline \ 416; \ Result: \ NOAEL = >45 \ mg/kg(bw)/day; \ Developmental \ toxicity/teratogenicity:$ 

Exposure time: 18d. Species: Mouse; Method: OECD Guideline 416; Result: NOAEL = 16 mg/kg(bw)/day;

Literature information: ECHA Dossier

### Specific target organ toxicity (STOT) - single exposure

Based on available data, the classification criteria are not met.

# Specific target organ toxicity (STOT) - repeated exposure

Based on available data, the classification criteria are not met.

2,5-toluenediamine:

READ ACROSS: 2-methyl-p-phenylenediamine sulphate (CAS No. 615-50-9):

Subchronic oral toxicity: Exposure time: 12 weeks. Species: Rat.; Method: OECD Guideline 408; Result:

LOAEL = 10 mg/kg/day. Literature information: ECHA Dossier;

Carcinogenicity (OSHA): No ingredient of this mixture is listed.

Carcinogenicity (IARC): 2,5-Diaminotoluene (CAS 95-70-5) is listed in group 3.

Carcinogenicity (NTP): No ingredient of this mixture is listed.

**Aspiration hazard** 

Based on available data, the classification criteria are not met.

### Specific effects in experiment on an animal

No data available.

# 12. Ecological information

# **Ecotoxicity**

The product has not been tested.

# Persistence and degradability

The product has not been tested.

# Bioaccumulative potential

No indication of bioaccumulation potential.

# Mobility in soil

No data available.

according to 29 CFR 1910.1200(g)

#### RefectoCil blueblack

Revision date: 04.08.2017 Product code: FA0020 Page 7 of 9

#### Other adverse effects

No data available.

#### Further information

Do not allow to enter into surface water or drains.

# 13. Disposal considerations

#### Waste treatment methods

#### Advice on disposal

Observe in addition any national regulations! Consult the local waste disposal expert about waste disposal. Non-contaminated packages may be recycled.

#### Contaminated packaging

Handle contaminated packages in the same way as the substance itself.

### 14. Transport information

#### **US DOT 49 CFR 172.101**

Proper shipping name: Not a hazardous material with respect to these transport regulations. &&

Not controlled under DOT

Marine transport (IMDG)

UN number:No dangerous good in sense of this transport regulation.UN proper shipping name:No dangerous good in sense of this transport regulation.Transport hazard class(es):No dangerous good in sense of this transport regulation.Packing group:No dangerous good in sense of this transport regulation.

Air transport (ICAO-TI/IATA-DGR)

UN number:No dangerous good in sense of this transport regulation.UN proper shipping name:No dangerous good in sense of this transport regulation.Transport hazard class(es):No dangerous good in sense of this transport regulation.Packing group:No dangerous good in sense of this transport regulation.

**Environmental hazards** 

ENVIRONMENTALLY HAZARDOUS: no

# Special precautions for user

refer to chapter 6-8

#### Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

not relevant

#### 15. Regulatory information

# U.S. Regulations

# **National Inventory TSCA**

2,5-toluenediamine not listed under TSCA 12(b) listed in the TSCA inventory

#### **National regulatory information**

SARA Section 311/312 Hazards:

2,5-toluenediamine (95-70-5): Immediate (acute) health hazard

#### State Regulations

#### Safe Drinking Water and Toxic Enforcement Act of 1986 (Proposition 65, State of California)

This product contains no chemicals known to the State of California to cause cancer, birth defects or other reproductive harm.

according to 29 CFR 1910.1200(g)

# RefectoCil blueblack

Revision date: 04.08.2017 Product code: FA0020 Page 8 of 9

#### 16. Other information

# **Hazardous Materials Information Label (HMIS)**

Health: 2
Flammability: 1
Physical Hazard: 1
Personal Protection: B

#### **NFPA Hazard Ratings**

Health: 1
Flammability: 1
Reactivity: 0
Unique Hazard: -



#### Changes

Revision date: 04.08.2017 Revision No: 1,0

Rev. 1.0; Initial release: 04.08.2017

#### Abbreviations and acronyms

ADR: Accord européen sur le transport des marchandises dangereuses par Route

CAS Chemical Abstracts Service DNEL: Derived No Effect Level

IARC: INTERNATIONAL AGENCY FOR RESEARCH ON CANCER

IMDG: International Maritime Code for Dangerous Goods

IATA: International Air Transport Association

IATA-DGR: Dangerous Goods Regulations by the "International Air Transport Association" (IATA)

ICAO: International Civil Aviation Organization

ICAO-TI: Technical Instructions by the "International Civil Aviation Organization" (ICAO)

GHS: Globally Harmonized System of Classification and Labelling of Chemicals GefStoffV: Gefahrstoffverordnung (Ordinance on Hazardous Substances, Germany)

LOAEL: Lowest observed adverse effect level

LOAEC: Lowest observed adverse effect concentration

LC50: Lethal concentration, 50 percent

LD50: Lethal dose, 50 percent

NOAEL: No observed adverse effect level NOAEC: No observed adverse effect level NTP: National Toxicology Program

N/A: not applicable

OSHA: Occupational Safety and Health Administration

PNEC: predicted no effect concentration PBT: Persistent bioaccumulative toxic

RID: Règlement international concernant le transport des marchandises dangereuses par chemin de

fer (Regulations Concerning the International Transport of Dangerous Goods by Rail  $\,$  )

SARA: Superfund Amendments and Reauthorization Act

SVHC: substance of very high concern TRGS Technische Regeln für Gefahrstoffe TSCA: Toxic Substances Control Act VOC: Volatile Organic Compounds

VwVwS: Verwaltungsvorschrift wassergefährdender Stoffe

WGK: Wassergefährdungsklasse

#### Other data

Classification according 29 CFR Part 1910.1200: - Classification procedure:

Health hazards: Calculation method.

Environmental hazards: Calculation method.

according to 29 CFR 1910.1200(g)

# RefectoCil blueblack

Revision date: 04.08.2017 Product code: FA0020 Page 9 of 9

Physical hazards: On basis of test data. and / or calculated and / or estimated.

The above information describes exclusively the safety requirements of the product and is based on our present-day knowledge. The information is intended to give you advice about the safe handling of the product named in this safety data sheet, for storage, processing, transport and disposal. The information cannot be transferred to other products. In the case of mixing the product with other products or in the case of processing, the information on this safety data sheet is not necessarily valid for the new made-up material.

(The data for the hazardous ingredients were taken respectively from the last version of the sub-contractor's safety data sheet.)

Telefax: +43 / 2235 / 47 940-39

# **Safety Data Sheet**

according to 29 CFR 1910.1200(g)

#### RefectoCil black

Revision date: 04.08.2017 Product code: FA0010 Page 1 of 9

#### 1. Identification

#### **Product identifier**

RefectoCil black

#### Recommended use of the chemical and restrictions on use

#### Use of the substance/mixture

Cosmetics

#### Uses advised against

Any non-intended use.

#### Details of the supplier of the safety data sheet

Company name: GW Cosmetics GmbH Street: Achauerstrasse 49a Place: A-2333 Leopoldsdorf Telephone: +43 / 2235 / 47 940-0

Responsible Department: office@gwcosmetics.at

**Emergency phone number:** +43 / 2235 / 47 940-0 (09:00-16:00 CET)

**Further Information** 

This product is subject to the cosmetic regulation. This sheet was prepared on a voluntary basis.

# 2. Hazard(s) identification

# Classification of the chemical

#### 29 CFR Part 1910.1200

Hazard categories:

Acute toxicity: Acute Tox. 4

Respiratory or skin sensitization: Skin Sens. 1

Hazard Statements: Harmful if swallowed

May cause an allergic skin reaction

Environmental hazards: H412, Harmful to aquatic organisms.

#### **Label elements**

# 29 CFR Part 1910.1200

Signal word: Warning

Pictograms:



#### **Hazard statements**

Harmful if swallowed

May cause an allergic skin reaction

#### **Precautionary statements**

If medical advice is needed, have product container or label at hand.

Keep out of reach of children.

Avoid breathing dust/fume/gas/mist/vapors/spray.

Do not eat, drink or smoke when using this product.

Contaminated work clothing must not be allowed out of the workplace.

Wear protective gloves/protective clothing/eye protection/face protection.

If swallowed: Call a poison center/doctor if you feel unwell.

If on skin: Wash with plenty of water.

according to 29 CFR 1910.1200(g)

#### RefectoCil black

Revision date: 04.08.2017 Product code: FA0010 Page 2 of 9

If skin irritation or rash occurs: Get medical advice/attention.

Wash contaminated clothing before reuse.

Dispose of contents/container to local/regional/national/international regulations.

#### Additional advice on labelling

GHS Symbols and Phrases are shown here only for information. This product is a consumer product and labelling is regulated by the cosmetic regulation. Labelling according to 1910.1200 is not required.

#### Hazards not otherwise classified

No information available.

# 3. Composition/information on ingredients

#### **Mixtures**

#### Hazardous components

CAS No	Components	Quantity
95-70-5	2,5-toluenediamine	< 7 %
591-27-5	3-aminophenol	= < 2 %

### 4. First-aid measures

### **Description of first aid measures**

#### General information

In case of accident or unwellness, seek medical advice immediately (show directions for use or safety data sheet if possible).

#### After inhalation

In case of accident by inhalation: remove casualty to fresh air and keep at rest. In case of respiratory tract irritation, consult a physician.

# After contact with skin

Gently wash with plenty of soap and water. In case of skin irritation, seek medical treatment.

#### After contact with eyes

Rinse cautiously with water for several minutes. In case of troubles or persistent symptoms, consult an ophthalmologist.

#### After ingestion

Rinse mouth thoroughly with water. Let water be drunken in little sips (dilution effect). Do NOT induce vomiting. In all cases of doubt, or when symptoms persist, seek medical advice.

# Most important symptoms and effects, both acute and delayed

No information available.

# Indication of any immediate medical attention and special treatment needed

Treat symptomatically.

# 5. Fire-fighting measures

#### **Extinguishing media**

#### Suitable extinguishing media

Carbon dioxide (CO2). Dry extinguishing powder. alcohol resistant foam. Atomized water.

# Unsuitable extinguishing media

High power water jet.

#### Specific hazards arising from the chemical

Can be released in case of fire: Carbon monoxide, Carbon dioxide (CO2). Nitrogen oxides (NOx).

# Special protective equipment and precautions for fire-fighters

In case of fire: Wear self-contained breathing apparatus.

according to 29 CFR 1910.1200(g)

#### RefectoCil black

Revision date: 04.08.2017 Product code: FA0010 Page 3 of 9

#### Additional information

Collect contaminated fire extinguishing water separately. Do not allow entering drains or surface water.

Co-ordinate fire-fighting measures to the fire surroundings.

#### 6. Accidental release measures

#### Personal precautions, protective equipment and emergency procedures

See protective measures under point 7 and 8.

#### **Environmental precautions**

Discharge into the environment must be avoided.

#### Methods and material for containment and cleaning up

Absorb with liquid-binding material (e.g. sand, diatomaceous earth, acid- or universal binding agents).

Treat the recovered material as prescribed in the section on waste disposal.

Clean contaminated objects and areas thoroughly observing environmental regulations.

### Reference to other sections

Safe handling: see section 7

Personal protection equipment: see section 8

Disposal: see section 13

# 7. Handling and storage

#### Precautions for safe handling

#### Advice on safe handling

Wear suitable protective clothing. (See section 8.)

# Advice on protection against fire and explosion

Usual measures for fire prevention.

#### Further information on handling

General protection and hygiene measures: refer to chapter 8

# Conditions for safe storage, including any incompatibilities

### Requirements for storage rooms and vessels

Keep container tightly closed in a cool, well-ventilated place.

# Advice on storage compatibility

Do not store together with: Explosives. Oxidizing solids. Oxidizing liquids. Radioactive substances. Infectious substances. Food and animal feedingstuff.

#### Further information on storage conditions

Keep the packing dry and well sealed to prevent contamination and absorbtion of humidity.

Recommended storage temperature: 20°C

Protect against: Light. UV-radiation/sunlight. heat. moisture.

# 8. Exposure controls/personal protection

# **Control parameters**

#### Additional advice on limit values

The following constituents are the only constituents of the product which have a PEL, TLV or other recommended exposure limit. At this time, the other constituents have no known exposure limits.

### **Exposure controls**

# Appropriate engineering controls

No special measures are necessary.

### Protective and hygiene measures

Always close containers tightly after the removal of product. When using do not eat, drink, smoke, sniff. Wash hands before breaks and after work.

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#### Eye/face protection

Wear safety glasses; chemical goggles (if splashing is possible). Standards: EN 166 or 29 CFR 1910.133

### Hand protection

Wear suitable gloves.

Suitable material:

FKM (fluororubber). - Thickness of glove material: 0,4 mm

Breakthrough time >= 8 h

Butyl rubber. - Thickness of glove material: 0,5 mm

Breakthrough time >= 8 h

CR (polychloroprenes, Chloroprene rubber). - Thickness of glove material: 0,5 mm

Breakthrough time >= 8 h

NBR (Nitrile rubber). - Thickness of glove material: 0,35 mm

Breakthrough time >= 8 h

PVC (Polyvinyl chloride). - Thickness of glove material: 0,5 mm

Breakthrough time >= 8 h

Before using check leak tightness / impermeability. In the case of wanting to use the gloves again, clean them before taking off and air them well.

#### Skin protection

Suitable protective clothing: Lab apron.

#### Respiratory protection

With correct and proper use, and under normal conditions, breathing protection is not required.

Respiratory protection necessary at:

insufficient ventilation

exceeding exposure limit values

Suitable respiratory protective equipment: half-mask with filter EN 149 or 29 CFR 1910.134.

The filter class must be suitable for the maximum contaminant concentration (gas/vapour/aerosol/particulates) that may arise when handling the product. If the concentration is exceeded, self-contained breathing apparatus must be used.

# **Environmental exposure controls**

No special precautionary measures are necessary.

# 9. Physical and chemical properties

# Information on basic physical and chemical properties

Physical state: liquid

Color: not determined Odor: characteristic

pH-Value: 7,5-10,0

# Changes in the physical state

Melting point/freezing point:

Initial boiling point and boiling range:

Sublimation point:

Softening point:

Pour point:

Flash point:

Sustaining combustion:

Not sustaining combustion:

not determined

not determined

Not sustaining combustion

**Explosive properties** 

none

Lower explosion limits: not determined Upper explosion limits: not determined

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Ignition temperature: not determined

**Auto-ignition temperature** 

Gas: not determined

Decomposition temperature: not determined

**Oxidizing properties** 

none

Vapor pressure: not determined
Density: not determined
Water solubility: not determined

Solubility in other solvents

not determined

Partition coefficient: not determined Viscosity / dynamic: not determined Viscosity / kinematic: not determined Flow time: not determined Vapor density: not determined Evaporation rate: not determined Solvent separation test: not determined Solvent content: not determined

Other information

Solid content: not determined

# 10. Stability and reactivity

# Reactivity

No information available.

# **Chemical stability**

Stability: Stable

The product is chemically stable under recommended conditions of storage, use and temperature.

# Possibility of hazardous reactions

Hazardous reactions: Will not occur

No information available.

# **Conditions to avoid**

Protect against: UV-radiation/sunlight. heat.

# **Incompatible materials**

Materials to avoid: Oxidizing agents, strong. Reducing agents, strong.

### **Hazardous decomposition products**

Can be released in case of fire: Carbon monoxide, Carbon dioxide (CO2). Nitrogen oxides (NOx).

# 11. Toxicological information

# Information on toxicological effects

#### Route(s) of Entry

Ingestion: Harmful if swallowed. Inhalation: May be harmful if inhaled. Skin contact: May cause irritation. May cause sensitisation by skin contact. Eye contact: May cause irritation.

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#### Toxicocinetics, metabolism and distribution

No data available.

#### **Acute toxicity**

Harmful if swallowed

#### **ATEmix** calculated

ATE (oral) 1456,9 mg/kg

CAS No	Components	Components				
	Exposure route	Dose		Species	Source	Method
95-70-5	2,5-toluenediamine					
	oral	LD50 mg/kg	102	Rat	REACH Dossier	OECD Guideline 401
	dermal	ATE mg/kg	1100			
	inhalative vapour	ATE	11 mg/l			
	inhalative aerosol	ATE	1,5 mg/l			
591-27-5	3-aminophenol					
	oral	LD50 00 mg/kg	>500-<20	Rat	ECHA Dossier	OECD 420
	inhalative vapour	ATE	11 mg/l			
	inhalative (4 h) aerosol	LC50 mg/l	1,162	Rat	ECHA Dossier	

# Irritation and corrosivity

Based on available data, the classification criteria are not met.

#### Sensitizing effects

May cause an allergic skin reaction (2,5-toluenediamine)

### Carcinogenic/mutagenic/toxic effects for reproduction

Based on available data, the classification criteria are not met.

2,5-toluenediamine:

READ ACROSS: 2-methyl-p-phenylenediamine sulphate (CAS No. 615-50-9):

In vivo mutagenicity/genotoxicity: Method: OECD Guideline 474 (Mammalian Erythrocyte Micronucleus Test); Result: negative.; Method: OECD Guideline 486 (Unscheduled DNA Synthesis (UDS) Test with Mammalian Liver Cells in vivo); Result: negative. Method: single cell gel/comet assay in rodents for detection of DNA damage; Result: negative.; Mouse); positive. (Rat); Reproductive toxicity: Exposure time: 21d. Species: Rat.; Method: OECD Guideline 416; Result: NOAEL = >45 mg/kg(bw)/day; Developmental toxicity/teratogenicity:

Exposure time: 18d. Species: Mouse; Method: OECD Guideline 416; Result: NOAEL = 16 mg/kg(bw)/day;

Literature information: ECHA Dossier 3-aminophenol (CAS No. 591-27-5):

In vitro mutagenicity/genotoxicity: Method: OECD Guideline 473 (In vitro Mammalian Chromosome Aberration Test); Result: positive. / negative.; Method: bacterial reversion assay, the WP2 Mutoxitest; Result: negative.; Method: OECD Guideline 476 (In vitro Mammalian Cell Gene Mutation Test); Result: negative.; Method: OECD Guideline 471 (Bacterial Reverse Mutation Assay); Result: negative.; Developmental toxicity/teratogenicity: Exposure time: 20d. Species: Rat.; Method: OECD Guideline 414; Result: NOEL = 100 mg/kg(bw)/day. Literature information: ECHA Dossier

#### Specific target organ toxicity (STOT) - single exposure

Based on available data, the classification criteria are not met.

#### Specific target organ toxicity (STOT) - repeated exposure

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Based on available data, the classification criteria are not met.

2.5-toluenediamine:

READ ACROSS: 2-methyl-p-phenylenediamine sulphate (CAS No. 615-50-9):

Subchronic oral toxicity: Exposure time: 12 weeks. Species: Rat.; Method: OECD Guideline 408; Result:

LOAEL = 10 mg/kg/day. Literature information: ECHA Dossier;

3-aminophenol (CAS No. 591-27-5):

Subchronic oral toxicity: Exposure time: 90d. Species: Rat.; Method: no data. Result: NOEL = 20

mg/kg(bw)/day. Chronic dermal toxicity: Exposure time: 24 month. Species: Rat.; Method: no data. Result:

LOEL = 500 mg/kg. Literature information: ECHA Dossier

Carcinogenicity (OSHA): No ingredient of this mixture is listed.

Carcinogenicity (IARC): 2,5-Diaminotoluene (CAS 95-70-5) is listed in group 3.

Carcinogenicity (NTP): No ingredient of this mixture is listed.

**Aspiration hazard** 

Based on available data, the classification criteria are not met.

#### Specific effects in experiment on an animal

No data available.

# 12. Ecological information

### **Ecotoxicity**

The product has not been tested.

#### Persistence and degradability

The product has not been tested.

# Bioaccumulative potential

No indication of bioaccumulation potential.

# **Mobility in soil**

No data available.

### Other adverse effects

No data available.

### **Further information**

Do not allow to enter into surface water or drains.

# 13. Disposal considerations

# Waste treatment methods

#### Advice on disposal

Observe in addition any national regulations! Consult the local waste disposal expert about waste disposal. Non-contaminated packages may be recycled.

#### Contaminated packaging

Handle contaminated packages in the same way as the substance itself.

### 14. Transport information

# US DOT 49 CFR 172.101

<u>Proper shipping name:</u> Not a hazardous material with respect to these transport regulations. &&

Not controlled under DOT

Marine transport (IMDG)

UN number:No dangerous good in sense of this transport regulation.UN proper shipping name:No dangerous good in sense of this transport regulation.Transport hazard class(es):No dangerous good in sense of this transport regulation.Packing group:No dangerous good in sense of this transport regulation.

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#### Air transport (ICAO-TI/IATA-DGR)

UN number:No dangerous good in sense of this transport regulation.UN proper shipping name:No dangerous good in sense of this transport regulation.Transport hazard class(es):No dangerous good in sense of this transport regulation.Packing group:No dangerous good in sense of this transport regulation.

#### **Environmental hazards**

ENVIRONMENTALLY HAZARDOUS: no

### Special precautions for user

refer to chapter 6-8

#### Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

not relevant

# 15. Regulatory information

# **U.S. Regulations**

### **National Inventory TSCA**

- 3-aminophenol listed under TSCA 12(b) listed in the TSCA inventory
- 2,5-toluenediamine not listed under TSCA 12(b) listed in the TSCA inventory

#### **National regulatory information**

SARA Section 311/312 Hazards:

- 2,5-toluenediamine (95-70-5): Immediate (acute) health hazard
- 3-aminophenol (591-27-5): Immediate (acute) health hazard

# **State Regulations**

# Safe Drinking Water and Toxic Enforcement Act of 1986 (Proposition 65, State of California)

This product contains no chemicals known to the State of California to cause cancer, birth defects or other reproductive harm.

#### 16. Other information

# **Hazardous Materials Information Label (HMIS)**

Health:2Flammability:1Physical Hazard:1Personal Protection:B

# **NFPA Hazard Ratings**

Health: 1
Flammability: 1
Reactivity: 0
Unique Hazard: -



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Rev. 1.0: Initial release: 04.08.2017

### Abbreviations and acronyms

ADR: Accord européen sur le transport des marchandises dangereuses par Route

CAS Chemical Abstracts Service DNEL: Derived No Effect Level

IARC: INTERNATIONAL AGENCY FOR RESEARCH ON CANCER

IMDG: International Maritime Code for Dangerous Goods



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IATA: International Air Transport Association

IATA-DGR: Dangerous Goods Regulations by the "International Air Transport Association" (IATA)

ICAO: International Civil Aviation Organization

ICAO-TI: Technical Instructions by the "International Civil Aviation Organization" (ICAO)

GHS: Globally Harmonized System of Classification and Labelling of Chemicals GefStoffV: Gefahrstoffverordnung (Ordinance on Hazardous Substances, Germany)

LOAEL: Lowest observed adverse effect level

LOAEC: Lowest observed adverse effect concentration

LC50: Lethal concentration, 50 percent

LD50: Lethal dose, 50 percent

NOAEL: No observed adverse effect level NOAEC: No observed adverse effect level NTP: National Toxicology Program

N/A: not applicable

OSHA: Occupational Safety and Health Administration

PNEC: predicted no effect concentration PBT: Persistent bioaccumulative toxic

RID: Règlement international concernant le transport des marchandises dangereuses par chemin de

fer (Regulations Concerning the International Transport of Dangerous Goods by Rail)

SARA: Superfund Amendments and Reauthorization Act

SVHC: substance of very high concern TRGS Technische Regeln für Gefahrstoffe TSCA: Toxic Substances Control Act VOC: Volatile Organic Compounds

VwVwS: Verwaltungsvorschrift wassergefährdender Stoffe

WGK: Wassergefährdungsklasse

#### Other data

Classification according 29 CFR Part 1910.1200: - Classification procedure:

Health hazards: Calculation method. Environmental hazards: Calculation method.

Physical hazards: On basis of test data. and / or calculated and / or estimated.

The above information describes exclusively the safety requirements of the product and is based on our present-day knowledge. The information is intended to give you advice about the safe handling of the product named in this safety data sheet, for storage, processing, transport and disposal. The information cannot be transferred to other products. In the case of mixing the product with other products or in the case of processing, the information on this safety data sheet is not necessarily valid for the new made-up material.

(The data for the hazardous ingredients were taken respectively from the last version of the sub-contractor's safety data sheet.)

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			STOT SE 3, H335
			Aquatic Acute 3, H402
			Aquatic Chronic 3, H412
Triethanolamine	(CAS-No.) 102-71-6	0.85	Not classified
Alcohols, C16-18	(CAS-No.) 67762-27-0	0.818646	Not classified
Mixture, 1-octadecanol with 1-hexadecanol	(CAS-No.) 8005-44-5	0.818646	Not classified
Alcohols, C16-18, ethoxylated	(CAS-No.) 68439-49-6	0.577865	Acute Tox. 4 (Oral), H302
			Eye Dam. 1, H318
			Aquatic Acute 1, H400
Phosphoric acid	(CAS-No.) 7664-38-2	0.4275	HHNOC 1
			Met. Corr. 1, H290
			Acute Tox. 4 (Oral), H302
			Skin Corr. 1B, H314
			Eye Dam. 1, H318
			Aquatic Acute 3, H402
Sulfuric acid, mono-C16-18-alkyl esters,	(CAS-No.) 68955-20-4	0.0577865	Flam. Sol. 2, H228
sodium salts			Acute Tox. 4 (Oral), H302
			Skin Irrit. 2, H315
			Eye Dam. 1, H318
			STOT SE 3, H335
			Aquatic Acute 2, H401
			Aquatic Chronic 3, H412
Sulfuric acid, monooctadecyl ester, sodium	(CAS-No.) 59186-41-3	0.0577865	Not classified
salt, mixture with sodium hexadecyl sulfate			

Full text of H-phrases: see section 16

# **SECTION 4: FIRST AID MEASURES**

# **Description of First-aid Measures**

**General:** Never give anything by mouth to an unconscious person. If you feel unwell, seek medical advice (show the label where possible).

**Inhalation:** When symptoms occur: go into open air and ventilate suspected area. Obtain medical attention if breathing difficulty persists.

**Skin Contact:** Remove contaminated clothing. Drench affected area with water for at least 15 minutes. Obtain medical attention if irritation develops or persists.

**Eye Contact:** Rinse cautiously with water for at least 15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Obtain medical attention.

Ingestion: Rinse mouth. Do NOT induce vomiting. Obtain medical attention.

# Most Important Symptoms and Effects Both Acute and Delayed

General: Causes eye irritation.

**Inhalation:** Prolonged exposure may cause irritation. **Skin Contact:** Prolonged exposure may cause skin irritation. **Eye Contact:** Stinging, tearing, redness, and swelling of eyes.

Ingestion: Ingestion may cause adverse effects.

Chronic Symptoms: Not available

# <u>Indication of Any Immediate Medical Attention and Special Treatment Needed</u>

If exposed or concerned, get medical advice and attention. If medical advice is needed, have product container or label at hand.

# **SECTION 5: FIRE-FIGHTING MEASURES**

# **Extinguishing Media**

Suitable Extinguishing Media: Water spray, dry chemical, foam, carbon dioxide.

Unsuitable Extinguishing Media: Do not use a heavy water stream. Use of heavy stream of water may spread fire.

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<sup>\*</sup>Percentages are listed in weight by weight percentage (w/w%) for liquid and solid ingredients. Gas ingredients are listed in volume by volume percentage (v/v%).

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### **Special Hazards Arising From the Substance or Mixture**

Fire Hazard: Not considered flammable but may burn at high temperatures.

Explosion Hazard: Product is not explosive.

**Reactivity:** Hazardous reactions will not occur under normal conditions.

#### **Advice for Firefighters**

**Precautionary Measures Fire:** Exercise caution when fighting any chemical fire. **Firefighting Instructions:** Use water spray or fog for cooling exposed containers.

**Protection During Firefighting:** Do not enter fire area without proper protective equipment, including respiratory protection.

Hazardous Combustion Products: Not available

Other Information: Do not allow run-off from fire fighting to enter drains or water courses.

#### **Reference to Other Sections**

Refer to Section 9 for flammability properties.

# **SECTION 6: ACCIDENTAL RELEASE MEASURES**

### Personal Precautions, Protective Equipment and Emergency Procedures

General Measures: Avoid prolonged contact with eyes, skin and clothing. Avoid breathing (vapor, mist, spray).

#### For Non-Emergency Personnel

Protective Equipment: Use appropriate personal protective equipment (PPE).

**Emergency Procedures:** Evacuate unnecessary personnel.

#### **For Emergency Personnel**

**Protective Equipment:** Equip cleanup crew with proper protection.

**Emergency Procedures:** Upon arrival at the scene, a first responder is expected to recognize the presence of dangerous goods, protect oneself and the public, secure the area, and call for the assistance of trained personnel as soon as conditions permit.

Ventilate area.

#### **Environmental Precautions**

Prevent entry to sewers and public waters. Avoid release to the environment.

#### Methods and Materials for Containment and Cleaning Up

For Containment: Contain any spills with dikes or absorbents to prevent migration and entry into sewers or streams.

**Methods for Cleaning Up:** Clean up spills immediately and dispose of waste safely. Transfer spilled material to a suitable container for disposal. Contact competent authorities after a spill.

#### **Reference to Other Sections**

See Section 8 for exposure controls and personal protection and Section 13 for disposal considerations.

### **SECTION 7: HANDLING AND STORAGE**

# **Precautions for Safe Handling**

**Precautions for Safe Handling:** Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work. Avoid prolonged contact with eyes, skin and clothing. Avoid breathing vapors, mist, spray.

**Hygiene Measures:** Handle in accordance with good industrial hygiene and safety procedures.

# **Conditions for Safe Storage, Including Any Incompatibilities**

**Technical Measures:** Comply with applicable regulations.

**Storage Conditions:** Keep container closed when not in use. Store in a dry, cool place. Keep/Store away from direct sunlight, extremely high or low temperatures and incompatible materials.

**Incompatible Materials:** Strong acids, strong bases, strong oxidizers.

#### Specific End Use(s)

Oxidant to be mixed with the RefectoCil tints before applying onto the eyelashes and eyebrows For professional use only.

#### SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

### **Control Parameters**

For substances listed in section 3 that are not listed here, there are no established Exposure limits from the manufacturer, supplier, importer, or the appropriate advisory agency including: ACGIH (TLV), AIHA (WEEL), NIOSH (REL), OSHA (PEL), Canadian provincial governments, or the Mexican government.

Phosphoric acid (7664-38-2)				
Mexico	OEL TWA (mg/m³)	1 mg/m³		
Mexico	OEL STEL (mg/m³)	3 mg/m³		

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USA ACGIH	ACGIH TWA (mg/m³)	1 mg/m³
USA ACGIH	ACGIH STEL (mg/m³)	3 mg/m³
USA OSHA	OSHA PEL (TWA) (mg/m³)	1 mg/m³
USA NIOSH	NIOSH REL (TWA) (mg/m³)	1 mg/m³
USA NIOSH	NIOSH REL (STEL) (mg/m³)	3 mg/m³
USA IDLH	US IDLH (mg/m³)	1000 mg/m³
Alberta	OEL STEL (mg/m³)	3 mg/m³
Alberta	OEL TWA (mg/m³)	1 mg/m³
British Columbia	OEL STEL (mg/m³)	3 mg/m³
British Columbia	OEL TWA (mg/m³)	1 mg/m³
Manitoba	OEL STEL (mg/m³)	3 mg/m³
Manitoba	OEL TWA (mg/m³)	1 mg/m³
New Brunswick	OEL STEL (mg/m³)	3 mg/m³
New Brunswick	OEL TWA (mg/m³)	1 mg/m³
Newfoundland & Labrador	OEL STEL (mg/m³)	3 mg/m³
Newfoundland & Labrador	OEL TWA (mg/m³)	1 mg/m³
Nova Scotia	OEL STEL (mg/m³)	3 mg/m³
Nova Scotia	OEL TWA (mg/m³)	1 mg/m³
Nunavut	OEL STEL (mg/m³)	3 mg/m³
Nunavut	OEL TWA (mg/m³)	1 mg/m³
Northwest Territories	OEL STEL (mg/m³)	3 mg/m³
Northwest Territories	OEL TWA (mg/m³)	1 mg/m³
Ontario	OEL STEL (mg/m³)	3 mg/m³
Ontario	OEL TWA (mg/m³)	1 mg/m³
Prince Edward Island	OEL STEL (mg/m³)	3 mg/m³
Prince Edward Island	OEL TWA (mg/m³)	1 mg/m³
Québec	VECD (mg/m³)	3 mg/m³
Québec	VEMP (mg/m³)	1 mg/m³
Saskatchewan	OEL STEL (mg/m³)	3 mg/m³
Saskatchewan	OEL TWA (mg/m³)	1 mg/m³
Yukon	OEL STEL (mg/m³)	3 mg/m³
Yukon	OEL TWA (mg/m³)	1 mg/m³
Triethanolamine (102-71-6)		
USA ACGIH	ACGIH TWA (mg/m³)	5 mg/m³
Alberta	OEL TWA (mg/m³)	5 mg/m³
British Columbia	OEL TWA (mg/m³)	5 mg/m³
Manitoba	OEL TWA (mg/m³)	5 mg/m³
New Brunswick	OEL TWA (mg/m³)	5 mg/m³
Newfoundland & Labrador	OEL TWA (mg/m³)	5 mg/m³
Nova Scotia	OEL TWA (mg/m³)	5 mg/m³
Nunavut	OEL STEL (mg/m³)	10 mg/m³
Nunavut	OEL TWA (mg/m³)	5 mg/m³
Northwest Territories	OEL STEL (mg/m³)	10 mg/m <sup>3</sup>
Northwest Territories	OEL TWA (mg/m³)	5 mg/m <sup>3</sup>
Ontario	OEL TWA (mg/m³)	3.1 mg/m³
Ontario	OEL TWA (ppm)	0.5 ppm
Prince Edward Island	OEL TWA (mg/m³)	5 mg/m³
Québec	VEMP (mg/m³)	5 mg/m³
Saskatchewan	OEL STEL (mg/m³)	10 mg/m³
Saskatchewan	OEL TWA (mg/m³)	5 mg/m³
Hydrogen peroxide (7722-84	l-1)	
Mexico	OEL TWA (mg/m³)	1.5 mg/m <sup>3</sup>

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Mexico	OEL TWA (ppm)	1 ppm
Mexico	OEL STEL (mg/m³)	3 mg/m³
Mexico	OEL STEL (ppm)	2 ppm
USA ACGIH	ACGIH TWA (ppm)	1 ppm
USA ACGIH	ACGIH chemical category	Confirmed Animal Carcinogen with Unknown Relevance to
	/ Com one mean category	Humans
USA OSHA	OSHA PEL (TWA) (mg/m³)	1.4 mg/m³
USA OSHA	OSHA PEL (TWA) (ppm)	1 ppm
USA NIOSH	NIOSH REL (TWA) (mg/m³)	1.4 mg/m³
USA NIOSH	NIOSH REL (TWA) (ppm)	1 ppm
USA IDLH	US IDLH (ppm)	75 ppm
Alberta	OEL TWA (mg/m³)	1.4 mg/m³
Alberta	OEL TWA (ppm)	1 ppm
British Columbia	OEL TWA (ppm)	1 ppm
Manitoba	OEL TWA (ppm)	1 ppm
New Brunswick	OEL TWA (mg/m³)	1.4 mg/m³
New Brunswick	OEL TWA (ppm)	1 ppm
Newfoundland & Labrador	OEL TWA (ppm)	1 ppm
Nova Scotia	OEL TWA (ppm)	1 ppm
Nunavut	OEL STEL (ppm)	2 ppm
Nunavut	OEL TWA (ppm)	1 ppm
Northwest Territories	OEL STEL (ppm)	2 ppm
Northwest Territories	OEL TWA (ppm)	1 ppm
Ontario	OEL TWA (ppm)	1 ppm
Prince Edward Island	OEL TWA (ppm)	1 ppm
Québec	VEMP (mg/m³)	1.4 mg/m³
Québec	VEMP (ppm)	1 ppm
Saskatchewan	OEL STEL (ppm)	2 ppm
Saskatchewan	OEL TWA (ppm)	1 ppm
Yukon	OEL STEL (mg/m³)	2.8 mg/m³
Yukon	OEL STEL (ppm)	2 ppm
Yukon	OEL TWA (mg/m³)	1.5 mg/m³
Yukon	OEL TWA (ppm)	1 ppm

# **Exposure Controls**

**Appropriate Engineering Controls:** Emergency eye wash fountains and safety showers should be available in the immediate vicinity of any potential exposure. Ensure adequate ventilation, especially in confined areas. Ensure all national/local regulations are observed.

Personal Protective Equipment: Gloves. Protective clothing. Insufficient ventilation: wear respiratory protection.







Materials for Protective Clothing: Chemically resistant materials and fabrics.

Hand Protection: Wear protective gloves.

**Eye and Face Protection:** None required under normal product handling conditions.

**Skin and Body Protection:** Wear suitable protective clothing.

**Respiratory Protection:** If exposure limits are exceeded or irritation is experienced, approved respiratory protection should be worn. In case of inadequate ventilation, oxygen deficient atmosphere, or where exposure levels are not known wear approved respiratory protection.

Other Information: When using, do not eat, drink or smoke.

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### **SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES**

### **Information on Basic Physical and Chemical Properties**

**Physical State** Liquid

**Appearance** Soft, white cream Odor Not available Not available **Odor Threshold** 4.0 - 6.5Нα **Evaporation Rate** Not available **Melting Point** Not applicable **Freezing Point** Not available **Boiling Point** Not available **Flash Point** Not available Not available **Auto-ignition Temperature Decomposition Temperature** Not available Flammability (solid, gas) Not applicable **Lower Flammable Limit** Not available Not available

**Upper Flammable Limit Vapor Pressure** Not available Relative Vapor Density at 20°C Not available **Relative Density** Not available **Specific Gravity** 0.975-1.014 g/ml

Solubility Not available Partition Coefficient: N-Octanol/Water Not available

Viscosity 2000 - 5000 mPa.s

#### **SECTION 10: STABILITY AND REACTIVITY**

**Reactivity:** Hazardous reactions will not occur under normal conditions.

**Chemical Stability:** Stable under recommended handling and storage conditions (see section 7).

**Possibility of Hazardous Reactions:** Hazardous polymerization will not occur.

Conditions to Avoid: Direct sunlight, extremely high or low temperatures, and incompatible materials.

**Incompatible Materials:** Strong acids, strong bases, strong oxidizers.

Hazardous Decomposition Products: Does not decompose.

# **SECTION 11: TOXICOLOGICAL INFORMATION**

# **Information on Toxicological Effects - Product**

Acute Toxicity (Oral): Not classified Acute Toxicity (Dermal): Not classified Acute Toxicity (Inhalation): Not classified LD50 and LC50 Data: Not available Skin Corrosion/Irritation: Not classified.

**pH:** 4.0 - 6.5

**Eye Damage/Irritation:** Causes eye irritation.

pH: 4.0 - 6.5

Respiratory or Skin Sensitization: Not classified

Germ Cell Mutagenicity: Not classified

Carcinogenicity: Not classified

Specific Target Organ Toxicity (Repeated Exposure): Not classified

Reproductive Toxicity: Not classified

Specific Target Organ Toxicity (Single Exposure): Not classified

Aspiration Hazard: Not classified

Symptoms/Injuries After Inhalation: Prolonged exposure may cause irritation.

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**Symptoms/Injuries After Skin Contact:** Prolonged exposure may cause skin irritation.

Symptoms/Injuries After Eye Contact: Stinging, tearing, redness, and swelling of eyes.

Symptoms/Injuries After Ingestion: Ingestion may cause adverse effects.

# **Information on Toxicological Effects - Ingredient(s)**

LD50 and LC50 Data:

ED30 and Ee30 Data.	
Phosphoric acid (7664-38-2)	
LD50 Oral Rat	1530 mg/kg
LD50 Dermal Rabbit	2740 mg/kg
LC50 Inhalation Rat	> 850 mg/m³ (Exposure time: 1 h)
Triethanolamine (102-71-6)	
LD50 Oral Rat	6400 mg/kg
LD50 Dermal Rabbit	> 2000 mg/kg
Hydrogen peroxide (7722-84-1)	
LD50 Oral Rat	1193 mg/kg (Species: Sprague-Dawley; Exposure time: 4 h)
LD50 Dermal Rat	4060 mg/kg
LD50 Dermal Rabbit	> 2000 mg/kg
ATE US/CA (dust, mist)	1.50 mg/l/4h
Alcohols, C16-18 (67762-27-0)	
LD50 Oral Rat	> 10000 mg/kg
LD50 Dermal Rabbit	> 8000 mg/kg
Alcohols, C16-18, ethoxylated (68439-49-6)	
LD50 Oral Rat	1260 mg/kg
Sulfuric acid, mono-C16-18-alkyl esters, sodium salts (68955-20-4)	
LD50 Oral Rat	> 1100 mg/kg
ATE US/CA (oral)	500.00 mg/kg body weight
Triethanolamine (102-71-6)	
IARC Group	3
Hydrogen peroxide (7722-84-1)	
IARC Group	3

# **SECTION 12: ECOLOGICAL INFORMATION**

# **Toxicity**

**Ecology - General:** Harmful to aquatic life.

Triethanolamine (102-71-6)	
LC50 Fish 1	10600 (10600 - 13000) mg/l (Exposure time: 96 h - Species: Pimephales promelas [flow-through])
LC50 Fish 2	1000 mg/l (Exposure time: 96 h - Species: Pimephales promelas [static])
ErC50 (algae)	169 mg/l
Hydrogen peroxide (7722-84-1)	
LC50 Fish 1	16.4 mg/l (Exposure time: 96 h - Species: Pimephales promelas)
EC50 Daphnia 1	18 - 32 mg/l (Exposure time: 48 h - Species: Daphnia magna [Static])
LC50 Fish 2	18 - 56 mg/l (Exposure time: 96 h - Species: Lepomis macrochirus [static])
Alcohols, C16-18 (67762-27-0)	
EC50 Daphnia 1	1666 mg/l (Exposure time: 48 h - Species: Daphnia magna)
Sulfuric acid, mono-C16-18-alkyl esters, sodium salts (68955-20-4)	
LC50 Fish 1	3.17 mg/l (Exposure time: 96 h - Species: Brachydanio rerio [semi-static])
LC50 Fish 2	76 mg/l (Exposure time: 96 h - Species: Lepomis macrochirus [static])

# **Persistence and Degradability**

Oxidant cream	
Persistence and Degradability	Not established.

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#### **Bioaccumulative Potential**

<u> </u>	
Oxidant cream	
Bioaccumulative Potential	Not established.
Triethanolamine (102-71-6)	
BCF Fish 1	3.9
Log Pow	-2.53
Hydrogen peroxide (7722-84-1)	
BCF Fish 1	(no bioaccumulation)
Alcohols, C16-18 (67762-27-0)	
BCF Fish 1	1300 (activated sludge)
Log Pow	6.65

Mobility in Soil Not available

**Other Adverse Effects** 

Other Information: Avoid release to the environment.

#### **SECTION 13: DISPOSAL CONSIDERATIONS**

**Waste Disposal Recommendations:** Dispose of contents/container in accordance with local, regional, national, and international regulations

Additional Information: Container may remain hazardous when empty. Continue to observe all precautions.

**Ecology - Waste Materials:** Avoid release to the environment. This material is hazardous to the aquatic environment. Keep out of sewers and waterways.

# **SECTION 14: TRANSPORT INFORMATION**

The shipping description(s) stated herein were prepared in accordance with certain assumptions at the time the SDS was authored, and can vary based on a number of variables that may or may not have been known at the time the SDS was issued.

In Accordance with DOTNot regulated for transportIn Accordance with IMDGNot regulated for transportIn Accordance with IATANot regulated for transportIn Accordance with TDGNot regulated for transport

# **SECTION 15: REGULATORY INFORMATION**

# **US Federal Regulations**

OS Federal Regulations	
Water (7732-18-5)	
Listed on the United States TSCA (Toxic Substances Control Act) inventory	
Phosphoric acid (7664-38-2)	
Listed on the United States TSCA (Toxic Substances Control Act) inventory	
CERCLA RQ	5000 lb
Triethanolamine (102-71-6)	
Listed on the United States TSCA (Toxic Substances Control Act) inventory	
Hydrogen peroxide (7722-84-1)	
Listed on the United States TSCA (Toxic Substances Control Act) inventory	
Listed on the United States SARA Section 302	
SARA Section 302 Threshold Planning Quantity (TPQ)	1000 lb (concentration >52%)
Alcohols, C16-18 (67762-27-0)	
Listed on the United States TSCA (Toxic Substances Control Act) inventory	
Alcohols, C16-18, ethoxylated (68439-49-6)	
Listed on the United States TSCA (Toxic Substances Control Act) inventory	
EPA TSCA Regulatory Flag	XU - XU - indicates a substance exempt from reporting under the
	Inventory Update Reporting Rule, i.e, Partial Updating of the TSCA
	Inventory Data Base Production and Site Reports (40 CFR 710(C)).
Sulfuric acid, mono-C16-18-alkyl esters, sodium salts (68955-20-4)	
Listed on the United States TSCA (Toxic Substances Control Act) inventory	

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#### **US State Regulations**

# Phosphoric acid (7664-38-2)

- U.S. Massachusetts Right To Know List
- U.S. New Jersey Right to Know Hazardous Substance List
- U.S. Pennsylvania RTK (Right to Know) Environmental Hazard List
- U.S. Pennsylvania RTK (Right to Know) List

#### Triethanolamine (102-71-6)

- U.S. Massachusetts Right To Know List
- U.S. New Jersey Right to Know Hazardous Substance List
- U.S. Pennsylvania RTK (Right to Know) List

#### Hydrogen peroxide (7722-84-1)

- U.S. Massachusetts Right To Know List
- U.S. New Jersey Right to Know Hazardous Substance List
- U.S. Pennsylvania RTK (Right to Know) Environmental Hazard List
- U.S. Pennsylvania RTK (Right to Know) List

### **Canadian Regulations**

#### Water (7732-18-5)

Listed on the Canadian DSL (Domestic Substances List)

#### Phosphoric acid (7664-38-2)

Listed on the Canadian DSL (Domestic Substances List)

#### Triethanolamine (102-71-6)

Listed on the Canadian DSL (Domestic Substances List)

#### Hydrogen peroxide (7722-84-1)

Listed on the Canadian DSL (Domestic Substances List)

# Alcohols, C16-18 (67762-27-0)

Listed on the Canadian DSL (Domestic Substances List)

#### Alcohols, C16-18, ethoxylated (68439-49-6)

Listed on the Canadian DSL (Domestic Substances List)

#### Sulfuric acid, mono-C16-18-alkyl esters, sodium salts (68955-20-4)

Listed on the Canadian DSL (Domestic Substances List)

Sulfuric acid, monooctadecyl ester, sodium salt, mixture with sodium hexadecyl sulfate (59186-41-3)

Listed on the Canadian DSL (Domestic Substances List)

# SECTION 16: OTHER INFORMATION, INCLUDING DATE OF PREPARATION OR LAST REVISION

**Date of Preparation or Latest** 

: 07/20/2017

Other Information

Revision

: This document has been prepared in accordance with the SDS requirements of the OSHA Hazard Communication Standard 29 CFR 1910.1200 and Canada's Hazardous Products Regulations (HPR) SOR/2015-17.

#### **GHS Full Text Phrases:**

Acute Tox. 4 (Inhalation:dust,mist)	Acute toxicity (inhalation:dust,mist) Category 4
Acute Tox. 4 (Oral)	Acute toxicity (oral) Category 4
Aquatic Acute 1	Hazardous to the aquatic environment - Acute Hazard Category 1
Aquatic Acute 2	Hazardous to the aquatic environment - Acute Hazard Category 2
Aquatic Acute 3	Hazardous to the aquatic environment - Acute Hazard Category 3
Aquatic Chronic 3	Hazardous to the aquatic environment - Chronic Hazard Category 3
Eye Dam. 1	Serious eye damage/eye irritation Category 1
Eye Irrit. 2B	Serious eye damage/eye irritation Category 2B

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Flam. Sol. 2	Flammable solids Category 2
HHNOC 1	Health hazard not otherwise classified, category 1
Met. Corr. 1	Corrosive to metals Category 1
Ox. Liq. 1	Oxidizing liquids Category 1
Skin Corr. 1A	Skin corrosion/irritation Category 1A
Skin Corr. 1B	Skin corrosion/irritation Category 1B
Skin Irrit. 2	Skin corrosion/irritation Category 2
STOT SE 3	Specific target organ toxicity (single exposure) Category 3
H228	Flammable solid
H271	May cause fire or explosion; strong oxidizer
H290	May be corrosive to metals
H302	Harmful if swallowed
H314	Causes severe skin burns and eye damage
H315	Causes skin irritation
H318	Causes serious eye damage
H320	Causes eye irritation
H332	Harmful if inhaled
H335	May cause respiratory irritation
H400	Very toxic to aquatic life
H401	Toxic to aquatic life
H402	Harmful to aquatic life
H412	Harmful to aquatic life with long lasting effects

This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product.

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