

Safety Data Sheet

according to Regulation (EC) No 1907/2006

INTENSIVE Augenbrauen- und Wimpernfarbe MITTELBRAUN

Revision date: 04.08.2017

Product code: AWM0001

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

Concerning the International Transport of Dangerous Goods by Rail)

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

EINECS: European Inventory of Existing Commercial Chemical Substances

CAS: Chemical Abstracts Service (division of the American Chemical Society)

LC50: Lethal concentration, 50 percent

LD50: Lethal dose, 50 percent

NOAEL: No observed adverse effect level

NOAEC: No observed adverse effect concentration

Relevant H and EUH statements (number and full text)

H301	Toxic if swallowed.
H302	Harmful if swallowed.
H311	Toxic in contact with skin.
H314	Causes severe skin burns and eye damage.
H315	Causes skin irritation.
H317	May cause an allergic skin reaction.
H318	Causes serious eye damage.
H319	Causes serious eye irritation.
H331	Toxic if inhaled.
H332	Harmful if inhaled.
H341	Suspected of causing genetic defects.
H400	Very toxic to aquatic life.
H410	Very toxic to aquatic life with long lasting effects.
H412	Harmful to aquatic life with long lasting effects.
EUH208	Contains p-phenylenediamine. May produce an allergic reaction.

Further Information

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

SECTION 1: Identification of the substance/mixture and of the company/undertaking**1.1. Product identifier**

INTENSIVE Augenbrauen- und Wimpernfarbe MITTELBRAUN

1.2. Relevant identified uses of the substance or mixture and uses advised against**Use of the substance/mixture**

Cosmetics

Restricted to professional users.

Uses advised against

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none

1.3. Details of the supplier of the safety data sheet

Company name:	Biosmetics GmbH	
Street:	Ziegeleiweg 40	
Place:	D Goldberg	
Telephone:	+49 [0] 451 30 800 90	Telefax: +49 [0] 451 20 351 03
Responsible Department:	Dr. Gans-Eichler Chemieberatung GmbH Raesfeldstr. 22 D-48149 Münster	e-mail: info@tge-consult.de Tel.: +49 (0)251/924520-60 www.tge-consult.de

1.4. Emergency telephone number:

Tel.: +49 (0) 170 2450126

Further Information

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

INCI: AQUA, CETEARYL ALCOHOL, GLYCERYL STEARATE SE, OLEAMIDE DEA, SODIUM CETEARYL SULFATE, P-PHENYLENEDIAMINE, RESORCINOL, HELIANTHUS ANUUS SEED OIL, AMMONIUM HYDROXIDE, LANOLIN, P-AMINOPHENOL, M-AMINOPHENOL, SODIUM SULFITE, PARFUM, LIMONENE, BUTYLPHENYL METHYLPROPIONAL (LILAL), LINALOOL, CITRAL, GERANIOL

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Regulation (EC) No. 1272/2008

Hazard categories:

Hazardous to the aquatic environment: Aquatic Chronic 3

Hazard Statements:

Harmful to aquatic life with long lasting effects .

2.2. Label elements

Regulation (EC) No. 1272/2008

Hazard statements

H412 Harmful to aquatic life with long lasting effects.

Precautionary statements

P273 Avoid release to the environment.

P501 Dispose of contents/container to in accordance with official regulations.

Special labelling of certain mixtures

EUH208 Contains p-phenylenediamine, 1,3-benzenediol, resorcinol. May produce an allergic reaction.

Additional advice on labelling

Labelling according to cosmetic directive.

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2.3. Other hazards

The substances in the mixture do not meet the PBT/vPvB criteria according to REACH, annex XIII.

SECTION 3: Composition/information on ingredients

3.2. Mixtures

Chemical characterization
in aqueous solution

Hazardous components

CAS No	Chemical name	Quantity
	EC No	
	Index No	
	REACH No	
	Classification according to Regulation (EC) No. 1272/2008 [CLP]	
	Amides, C18-unsatd., N,N-bis(hydroxyethyl)	1 - < 5 %
	700-972-2	01-2119968565-22
	Skin Irrit. 2, Eye Irrit. 2, Aquatic Chronic 2; H315 H319 H411	
106-50-3	p-phenylenediamine	< 1 %
	203-404-7	612-028-00-6
	Acute Tox. 3, Acute Tox. 3, Acute Tox. 3, Eye Irrit. 2, Skin Sens. 1, Aquatic Acute 1 (M-Factor = 1), Aquatic Chronic 1; H331 H311 H301 H319 H317 H400 H410	
108-46-3	1,3-benzenediol, resorcinol	< 1 %
	203-585-2	604-010-00-1
	Acute Tox. 4, Skin Irrit. 2, Eye Dam. 1, Skin Sens. 1, STOT SE 1, STOT SE 2, Aquatic Acute 1 (M-Factor = 1); H302 H315 H318 H317 H370 H371 H400	
1336-21-6	Ammonia ... %	< 1 %
	215-647-6	007-001-01-2
	01-2119488876-14	
	Skin Corr. 1B, STOT SE 3, Aquatic Acute 1 (M-Factor = 1), Aquatic Chronic 2; H314 H335 H400 H411	
123-30-8	4-aminophenol	< 1 %
	204-616-2	612-128-00-X
	Muta. 2, Acute Tox. 4, Acute Tox. 4, Aquatic Acute 1 (M-Factor = 1), Aquatic Chronic 1; H341 H332 H302 H400 H410	

Full text of H and EUH statements: see section 16.

Further Information

Product does not contain listed SVHC substances > 0,1 % according to Regulation (EC) No. 1907/2006 Article 59 (REACH).

SECTION 4: First aid measures

4.1. 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 allergic symptoms, especially in the breathing area, seek medical advice immediately.

After contact with skin

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

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After contact with eyes

Rinse immediately carefully and thoroughly with eye-bath or water. 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. Never give anything by mouth to an unconscious person or a person with cramps. In all cases of doubt, or when symptoms persist, seek medical advice.

4.2. Most important symptoms and effects, both acute and delayed

No information available.

4.3. Indication of any immediate medical attention and special treatment needed

Treat symptomatically.

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media

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

Unsuitable extinguishing media

High power water jet.

5.2. Special hazards arising from the substance or mixture

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

5.3. Advice for firefighters

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.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Provide adequate ventilation. Avoid contact with skin, eyes and clothes. Wear personal protection equipment (refer to section 8).

6.2. Environmental precautions

Prevent spread over a wide area (e.g. by containment or oil barriers). Do not allow to enter into surface water or drains.

6.3. 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.

6.4. Reference to other sections

Safe handling: see section 7
Personal protection equipment: see section 8
Disposal: see section 13

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Advice on safe handling

Provide adequate ventilation.
Wear suitable protective clothing. See section 8.

Advice on protection against fire and explosion

Usual measures for fire prevention.

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Further information on handling

Avoid contact with skin, eyes and clothes.

General protection and hygiene measures: refer to chapter 8

7.2. 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 absorption of humidity.

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

7.3. Specific end use(s)

refer to chapter 1.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

Exposure limits (EH40)

CAS No	Substance	ppm	mg/m ³	fibres/ml	Category	Origin
7664-41-7	Ammonia, anhydrous	25	18		TWA (8 h)	WEL
		35	25		STEL (15 min)	WEL
108-46-3	Resorcinol	10	46		TWA (8 h)	WEL
		20	92		STEL (15 min)	WEL
106-50-3	p-Phenylenediamine	-	0.1		TWA (8 h)	WEL
		-	-		STEL (15 min)	WEL

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DNEL/DMEL values

CAS No	Substance		
DNEL type	Exposure route	Effect	Value
	Amides, C18-unsatd., N,N-bis(hydroxyethyl)		
Worker DNEL, long-term	inhalation	systemic	73,44 mg/m ³
Worker DNEL, long-term	dermal	systemic	4,16 mg/kg bw/day
Worker DNEL, long-term	dermal	local	0,0312 mg/cm ²
Consumer DNEL, long-term	inhalation	systemic	21,73 mg/m ³
Consumer DNEL, long-term	dermal	systemic	2,5 mg/kg bw/day
Consumer DNEL, long-term	dermal	local	0,01873 mg/cm ²
Consumer DNEL, long-term	oral	systemic	6,25 mg/kg bw/day
1336-21-6	Ammonia ... %		
Worker DNEL, long-term	dermal	systemic	6,8 mg/kg bw/day
Worker DNEL, acute	dermal	systemic	6,8 mg/kg bw/day
Worker DNEL, long-term	inhalation	systemic	47,6 mg/m ³
Worker DNEL, long-term	inhalation	local	14 mg/m ³
Worker DNEL, acute	inhalation	systemic	47,6 mg/m ³
Worker DNEL, acute	inhalation	local	36 mg/m ³
Consumer DNEL, acute	dermal	systemic	68 mg/kg bw/day
Consumer DNEL, long-term	dermal	systemic	68 mg/kg bw/day
Consumer DNEL, long-term	inhalation	systemic	23,8 mg/m ³
Consumer DNEL, long-term	inhalation	local	2,8 mg/m ³
Consumer DNEL, acute	inhalation	systemic	23,8 mg/m ³
Consumer DNEL, acute	inhalation	local	7,2 mg/m ³
Consumer DNEL, long-term	oral	systemic	6,8 mg/kg bw/day
Consumer DNEL, acute	oral	systemic	6,8 mg/kg bw/day

PNEC values

CAS No	Substance	
Environmental compartment	Value	
	Amides, C18-unsatd., N,N-bis(hydroxyethyl)	
Freshwater	0,007 mg/l	
Freshwater (intermittent releases)	0,032 mg/l	
Marine water	0,0007 mg/l	
Freshwater sediment	0,2663 mg/kg	
Marine sediment	0,02663 mg/kg	
Micro-organisms in sewage treatment plants (STP)	830 mg/l	
Soil	0,1262 mg/kg	
1336-21-6	Ammonia ... %	
Freshwater	0,0011 mg/l	
Freshwater (intermittent releases)	0,0068 mg/l	
Marine water	0,0011 mg/l	

8.2. Exposure controls

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Appropriate engineering controls

If handled uncovered, arrangements with local exhaust ventilation should be used if possible.

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. Wash contaminated clothing prior to re-use. Used working clothes should not be worn outside the work area. Street clothing should be stored separately from work clothing.

Eye/face protection

Wear safety glasses; chemical goggles (if splashing is possible).

Hand protection

Pull-over gloves of rubber.

Suitable material:

CR (polychloroprenes, Chloroprene rubber). (0,5 mm)

NBR (Nitrile rubber). (0,35 mm)

FKM (fluororubber). (0,4 mm)

PVC (Polyvinyl chloride). (0,5 mm)

Butyl rubber. (0,5 mm)

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.

The selected protective gloves have to satisfy the specifications of EU Directive 89/686/EEC and the standard EN 374 derived from it.

Skin protection

Suitable protective clothing: Lab apron.

Minimum standard for preventive measures while handling with working materials are specified in the TRGS 500.

Respiratory protection

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

Respiratory protection necessary at:

generation/formation of aerosols

exceeding exposure limit values

Suitable respiratory protective equipment: Combination filtering device (EN 14387)

Type

: A/ P1-3

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, closed-circuit breathing apparatus must be used!

Environmental exposure controls

Avoid release to the environment.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state:	liquid
Colour:	not determined
Odour:	characteristic
pH-Value:	10-11 (50% in aqueous solution)

Changes in the physical state

Melting point:	not determined
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Initial boiling point and boiling range:	not determined
Flash point:	not determined
Sustaining combustion:	Not sustaining combustion
Explosive properties	
none	
Lower explosion limits:	not determined
Upper explosion limits:	not determined
Ignition temperature:	not determined
Decomposition temperature:	not determined
Oxidizing properties	
none	
Vapour pressure:	not determined
Density:	not determined
Water solubility:	not determined
Solubility in other solvents	
not determined	
Viscosity / dynamic:	not determined
Viscosity / kinematic:	not determined
Flow time:	not determined
Vapour density:	not determined

9.2. Other information

Solid content:	not determined
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SECTION 10: Stability and reactivity

10.1. Reactivity

No information available.

10.2. Chemical stability

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

10.3. Possibility of hazardous reactions

No information available.

10.4. Conditions to avoid

Protect against: UV-radiation/sunlight. heat.

10.5. Incompatible materials

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

10.6. Hazardous decomposition products

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

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Toxicokinetics, metabolism and distribution

No data available.

Acute toxicity

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

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CAS No	Chemical name				
	Exposure route	Dose	Species	Source	Method
	Amides, C18-unsatd., N,N-bis(hydroxyethyl)				
	oral	LD50 >5000 mg/kg	Rat	ECHA Dossier	
106-50-3	p-phenylenediamine				
	oral	LD50 75 mg/kg	Rat. (OECD 420)	ECHA Dossier	
	dermal	ATE 300 mg/kg			
	inhalative (4 h) vapour	LC50 0,92 mg/l	Rat. (OECD 403)	ECHA Dossier	
	inhalative aerosol	ATE 0,5 mg/l			
108-46-3	1,3-benzenediol, resorcinol				
	oral	LD50 (510=) mg/kg	Rat	ECHA Dossier	
	dermal	LD50 >2000 mg/kg	Rabbit	ECHA Dossier	
	inhalative (1 h) aerosol	LC50 (7,8) mg/l	Rat	ECHA Dossier	
1336-21-6	Ammonia ... %				
	oral	LD50 (350) mg/kg	Rat.	GESTIS	
	inhalative (4 h) vapour	LC50 (1,4) mg/l	Rat.	RTECS	
123-30-8	4-aminophenol				
	oral	LD50 671 mg/kg	Rat	ECHA Dossier	
	dermal	LD50 >2000 mg/kg	Rabbit	ECHA Dossier	
	inhalative vapour	ATE 11 mg/l			
	inhalative (4 h) aerosol	LC50 >3,42 mg/l	Rat	ECHA Dossier	

Irritation and corrosivity

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

Sensitising effects

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

Carcinogenic/mutagenic/toxic effects for reproduction

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

p-phenylenediamine (CAS No. 106-50-3):

In vivo mutagenicity/genotoxicity: No experimental indications of in vivo mutagenicity exist.

Developmental toxicity/teratogenicity:

Exposure time: 20d

Species: Rat.

Method: OECD Guideline 414

Result: NOAEL = 10 mg/kg(bw)/day

Literature information: ECHADossier

4-aminophenol (CAS No. 123-30-8):

In vitro mutagenicity/genotoxicity:

Method: OECD Guideline 473 (In vitro Mammalian Chromosome Aberration Test)

Result: positive.

Method: OECD Guideline 471 (Bacterial Reverse Mutation Assay)

Result: negative.

In vivo mutagenicity/genotoxicity:

Method: OECD Guideline 486 (Unscheduled DNA Synthesis (UDS) Test with Mammalian Liver Cells in vivo)

Result: negative.

Method: OECD Guideline 474 (Mammalian Erythrocyte Micronucleus Test)

Result: positive.

Carcinogenicity:

Exposure time: 102 weeks

Species: Rat.

Method: OECD Guideline 451

Result: NOEC = 30 mg/kg(bw)/day

Reproductive toxicity:

Exposure time: 60d

Species: Rat.

Method: OECD Guideline 421

Result: NOAEL = 100mg/kg(bw)/day

Developmental toxicity/teratogenicity:

Exposure time: 60d

Species: Rat.

Method: OECD Guideline 421

Result: NOAEL = 100mg/kg(bw)/day

Literature information: ECHADossier

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: ECHADossier

1,3-benzenediol, resorcinol (CAS No. 108-46-3):

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In vitro mutagenicity/genotoxicity: Evidence for in vitro mutagenicity.

In vivo mutagenicity/genotoxicity: No experimental indications of in vivo mutagenicity exist.

Reproductive toxicity:

Exposure time: 18 month

Species: Rat.

Method: OECD Guideline 416

Result: NOAEL = 3000 mg/kg(bw)/day

Developmental toxicity/teratogenicity:

Exposure time: 20d

Species: Rat.

Method: OECD Guideline 414

Result: NOAEL = 250mg/kg(bw)/day

Literature information: ECHADossier

Amides, C18-unsatd., N,N-bis(hydroxyethyl) (EC No. 700-972-2):

In vitro mutagenicity/genotoxicity: No experimental indications of mutagenicity in-vitro exist.

Carcinogenicity:

Exposure time: 2 years

Species: Mouse

Method: no guideline followed

Result: NOAEL = 30 mg/kg(bw)/day

Literature information: ECHADossier

STOT-single exposure

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

STOT-repeated exposure

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

p-phenylenediamine (CAS No. 106-50-3):

Subchronic oral toxicity:

Exposure time: 90d

Species: Rat.

Method: OECD Guideline 408

Result: NOAEL = 16 mg/kg(bw)/day

Literature information: ECHADossier

4-aminophenol (CAS No. 123-30-8):

Subchronic oral toxicity:

Exposure time: 90d

Species: Rat.

Method: OECD Guideline 408

Result: NOEL = 10 mg/kg(bw)/day

Literature information: ECHADossier

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

1,3-benzenediol, resorcinol (CAS No. 108-46-3):

Subchronic oral toxicity:

Exposure time: 90d

Species: Rat.

Method: OECD Guideline 408

Result: NOAEL = 80 mg/kg(bw)/day

Literature information: ECHADossier

Amides, C18-unsatd., N,N-bis(hydroxyethyl) (EC No. 700-972-2):

Subchronic dermal toxicity:

Exposure time: 90d

Species: Rat.

Method: no guideline followed

Result: NOAEL = 100 mg/kg(bw)/day (systemic); 25 mg/kg(bw)/day (local)

Literature information: ECHA Dossier

Aspiration hazard

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

Specific effects in experiment on an animal

No data available.

SECTION 12: Ecological information**12.1. Toxicity**

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CAS No	Chemical name					
	Aquatic toxicity	Dose	[h] [d]	Species	Source	Method
	Amides, C18-unsatd., N,N-bis(hydroxyethyl)					
	Acute fish toxicity	LC50 5,1 mg/l	96 h	Danio rerio	ECHA Dossier	
106-50-3	p-phenylenediamine					
	Acute fish toxicity	LC50 3,9 mg/l	96 h	Oncorhynchus mykiss (OECD 203)	ECHA Dossier	
	Acute algae toxicity	ErC50 mg/l 0,478	72 h	Pseudokirchnerella subcapitata (OECD 201)	ECHA Dossier	
108-46-3	1,3-benzenediol, resorcinol					
	Acute fish toxicity	LC50 mg/l 29,5	96 h	Pimephales promelas	ECHA Dossier	
	Acute algae toxicity	ErC50 >97 mg/l	72 h	Pseudokirchnerella subcapitata	ECHA Dossier	
	Acute crustacea toxicity	EC50 1,0 mg/l	48 h	Daphnia magna	ECHA Dossier	
	Crustacea toxicity	NOEC mg/l 0,172	21 d	Daphnia magna	ECHA Dossier	
	Acute bacteria toxicity	(79 mg/l)	3 h	Activated sludge	ECHA Dossier	
1336-21-6	Ammonia ... %					
	Acute fish toxicity	LC50 mg/l 0,89	96 h	Oncorhynchus mykiss	MSDS external	
	Acute crustacea toxicity	EC50 101 mg/l	48 h	Daphnia magna	MSDS external	
	Crustacea toxicity	NOEC mg/l 0,79	3 d	Daphnia magna	MSDS external	
123-30-8	4-aminophenol					
	Acute fish toxicity	LC50 mg/l 0,82	96 h	Oryzias latipes (OECD 203)	ECHA Dossier	
	Acute algae toxicity	ErC50 mg/l >0,253	72 h	Pseudokirchnerella subcapitata (OECD 201)	ECHA Dossier	
	Acute crustacea toxicity	EC50 mg/l 0,182	48 h	Daphnia magna (OECD 202)	ECHA Dossier	
	Fish toxicity	NOEC mg/l 0,55	41 d	Oryzias latipes (OECD 210)	ECHA Dossier	
	Crustacea toxicity	NOEC mg/l 0,206	21 d	Daphnia magna (OECD 202)	ECHA Dossier	
	Acute bacteria toxicity	(29,9 mg/l)	3 h	Activated sludge (OECD 209)	ECHA Dossier	

12.2. Persistence and degradability

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CAS No	Chemical name			
	Method	Value	d	Source
	Evaluation			
	Amides, C18-unsatd., N,N-bis(hydroxyethyl)			
	OECD 301B/ ISO 9439/ EEC 92/69/V, C.4-C	86%	28	ECHA Dossier
	Readily biodegradable (according to OECD criteria).			
108-46-3	1,3-benzenediol, resorcinol			
	OECD 301C/ ISO 9408/ EEC 92/69/V, C.4-F	66,7%	10	ECHA Dossier
	Readily biodegradable (according to OECD criteria).			
123-30-8	4-aminophenol			
	OECD 301C/ ISO 9408/ EEC 92/69/V, C.4-F	6%	28	ECHA Dossier
	Not readily biodegradable (according to OECD criteria)			

12.3. Bioaccumulative potential

Partition coefficient n-octanol/water

CAS No	Chemical name	Log Pow
	Amides, C18-unsatd., N,N-bis(hydroxyethyl)	>6
106-50-3	p-phenylenediamine	-0.839 pH = 8,5
108-46-3	1,3-benzenediol, resorcinol	0,93
1336-21-6	Ammonia ... %	-1,38
123-30-8	4-aminophenol	-0,09

BCF

CAS No	Chemical name	BCF	Species	Source
123-30-8	4-aminophenol	10-46	Cyprinus carpio	ECHA Dossier

12.4. Mobility in soil

No data available.

12.5. Results of PBT and vPvB assessment

The substances in the mixture do not meet the PBT/vPvB criteria according to REACH, annex XIII.

12.6. Other adverse effects

No data available.

Further information

Do not allow to enter into surface water or drains.

SECTION 13: Disposal considerations

13.1. 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.

According to EAKV, allocation of waste identity numbers/waste descriptions must be carried out in a specific way for every industry and process.

Control report for waste code/ waste marking according to EAKV:

Waste disposal number of waste from residues/unused products

070601 WASTES FROM ORGANIC CHEMICAL PROCESSES; wastes from the MFSU of fats, grease, soaps, detergents, disinfectants and cosmetics; aqueous washing liquids and mother liquors; hazardous waste

Waste disposal number of used product

Safety Data Sheet

according to Regulation (EC) No 1907/2006

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070601 WASTES FROM ORGANIC CHEMICAL PROCESSES; wastes from the MFSU of fats, grease, soaps, detergents, disinfectants and cosmetics; aqueous washing liquids and mother liquors; hazardous waste

Waste disposal number of contaminated packaging

150110 WASTE PACKAGING; ABSORBENTS, WIPING CLOTHS, FILTER MATERIALS AND PROTECTIVE CLOTHING NOT OTHERWISE SPECIFIED; packaging (including separately collected municipal packaging waste); packaging containing residues of or contaminated by hazardous substances; hazardous waste

Contaminated packaging

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

SECTION 14: Transport information

Land transport (ADR/RID)

14.1. UN number: Not restricted
14.2. UN proper shipping name: Not restricted
14.3. Transport hazard class(es): Not restricted
14.4. Packing group: Not restricted

Inland waterways transport (ADN)

14.1. UN number: Not restricted
14.2. UN proper shipping name: Not restricted
14.3. Transport hazard class(es): Not restricted
14.4. Packing group: Not restricted

Marine transport (IMDG)

14.1. UN number: Not restricted
14.2. UN proper shipping name: Not restricted
14.3. Transport hazard class(es): Not restricted
14.4. Packing group: Not restricted

Air transport (ICAO-TI/IATA-DGR)

14.1. UN number: Not restricted
14.2. UN proper shipping name: Not restricted
14.3. Transport hazard class(es): Not restricted
14.4. Packing group: Not restricted

14.5. Environmental hazards

ENVIRONMENTALLY HAZARDOUS: no

14.6. Special precautions for user

Not restricted

14.7. Transport in bulk according to Annex II of Marpol and the IBC Code

Not restricted

SECTION 15: Regulatory information

15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

EU regulatory information

2010/75/EU (VOC): not determined
 2004/42/EC (VOC): not determined
 Information according to 2012/18/EU (SEVESO III): Not subject to 2012/18/EU (SEVESO III)

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Additional information

The mixture is classified as hazardous according to regulation (EC) No 1272/2008 [CLP].
REACH 1907/2006 Appendix XVII, No (mixture): 3

National regulatory information

Employment restrictions: Observe restrictions to employment for juvenils according to the 'juvenile work protection guideline' (94/33/EC).
Water contaminating class (D): 2 - water contaminating

15.2. Chemical safety assessment

Chemical safety assessments for substances in this mixture were not carried out.

SECTION 16: Other information**Changes**

Rev. 1.00; 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

Relevant H and EUH statements (number and full text)

H301	Toxic if swallowed.
H302	Harmful if swallowed.
H311	Toxic in contact with skin.
H314	Causes severe skin burns and eye damage.
H315	Causes skin irritation.