acc. to 29 CFR 1910.1200 App D



# **Carpet Cleaner**

Date of compilation: 2022-06-15

# **SECTION 1: Identification**

1.1	Product identifier

Version number: GHS 1.0

Trade name

### **Carpet Cleaner**

# 1.2 Relevant identified uses of the substance or mixture and uses advised against

Relevant identified uses

Carpet cleaner Professional use Industrial use 3402.39.90

HS code

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

Detail Geek Auto Care Inc. PO Box 32154 Regina, Saskatchewan S4N 7L2

1-866-417-9175 info@detailgeekautocare.com

http://detailgeekautocare.com

### 1.4 Emergency telephone number

Emergency information service

USA 1.800.535.5053, INTL 1.352.323.3500 24 hour emergency number

# SECTION 2: Hazard(s) identification

### 2.1 Classification of the substance or mixture

Classification acc. to OSHA "Hazard Communication Standard" (29 CFR 1910.1200)

Section	Hazard class	Category	Hazard class and category	Hazard state- ment
A.3	serious eye damage/eye irritation	2	Eye Irrit. 2	H319

For full text of abbreviations: see SECTION 16.

### 2.2 Label elements

Labelling acc. to OSHA "Hazard Communication Standard" (29 CFR 1910.1200)

- Signal word warning
- Pictograms

GHS07



#### - Hazard statements H319

Causes serious eye irritation.

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#### - Precautionary statements

 P280
 Wear protective gloves/protective clothing/eye protection/face protection.

 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.

#### 2.3 Other hazards

Hazards not otherwise classified

Contains d-limonene. May produce an allergic reaction. Toxic to aquatic life (GHS category 2: aquatic toxicity - acute).

### **SECTION 3: Composition/information on ingredients**

#### 3.1 Substances

Not relevant (mixture)

#### 3.2 Mixtures

Description of the mixture

Name of substance	Identifier	Wt%	Classification acc. to GHS
sodium xylene sulphonate	CAS No 1300-72-7	1-<3	Skin Irrit. 2 / H315 Eye Irrit. 2B / H320
tetrapotassium pyrophosphate	CAS No 7320-34-5	1-<3	Acute Tox. 4 / H332 Eye Irrit. 2 / H319
Alcohols,C6-10,ethoxylatedpro- poxylated	CAS No 68603-25-8	1-<3	Skin Irrit. 2 / H315 Eye Irrit. 2A / H319
Alcohols, C9-11 ethoxylated	cohols, C9-11 ethoxylated CAS No 68439-46-3		Acute Tox. 4 / H302 Acute Tox. 4 / H312 Eye Dam. 1 / H318
sodium tripolyphosphate	CAS No 7758-29-4	0.1-<1	Acute Tox. 2 / H330

#### Hazardous ingredients, Consideration of other advice

This table, if present, includes all GHS classified ingredients present above their cut-off limits, even if the finished product is not classified as hazardous by GHS.

Exact percentage of ingredients is withheld as a trade secret.

For full text of abbreviations: see SECTION 16.

### **SECTION 4: First-aid measures**

### 4.1 Description of first-aid measures

#### General notes

Do not leave affected person unattended. Remove victim out of the danger area. Keep affected person warm, still and covered. Take off immediately all contaminated clothing. In all cases of doubt, or when symptoms persist, seek medical advice. In case of unconsciousness place person in the recovery position. Never give anything by mouth.

#### Following inhalation

If breathing is irregular or stopped, immediately seek medical assistance and start first aid actions. Provide fresh air.

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#### Following skin contact

Wash with plenty of soap and water.

#### Following eye contact

Remove contact lenses, if present and easy to do. Continue rinsing. Irrigate copiously with clean, fresh water for at least 10 minutes, holding the eyelids apart.

#### Following ingestion

Rinse mouth with water (only if the person is conscious). Do NOT induce vomiting.

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

Symptoms and effects are not known to date.

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

none

### **SECTION 5: Fire-fighting measures**

#### 5.1 Extinguishing media

Suitable extinguishing media

Water spray, Alcohol resistant foam, BC-powder, Carbon dioxide (CO2)

Unsuitable extinguishing media

Water jet

#### 5.2 Special hazards arising from the substance or mixture

Hazardous combustion products

Nitrogen oxides (NOx), Carbon monoxide (CO), Carbon dioxide (CO2)

### 5.3 Advice for firefighters

In case of fire and/or explosion do not breathe fumes. Coordinate firefighting measures to the fire surroundings. Do not allow firefighting water to enter drains or water courses. Collect contaminated firefighting water separately. Fight fire with normal precautions from a reasonable distance.

### **SECTION 6: Accidental release measures**

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

For non-emergency personnel

Remove persons to safety.

For emergency responders

Wear breathing apparatus if exposed to vapors/dust/aerosols/gases.

#### 6.2 Environmental precautions

Keep away from drains, surface and ground water. Retain contaminated washing water and dispose of it.

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

Advice on how to contain a spill

Covering of drains

acc. to 29 CFR 1910.1200 App D



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#### Advice on how to clean up a spill

Wipe up with absorbent material (e.g. cloth, fleece). Collect spillage: sawdust, kieselgur (diatomite), sand, universal binder

#### Appropriate containment techniques

Use of adsorbent materials.

### Other information relating to spills and releases

Place in appropriate containers for disposal. Ventilate affected area.

### 6.4 Reference to other sections

Hazardous combustion products: see section 5. Personal protective equipment: see section 8. Incompatible materials: see section 10. Disposal considerations: see section 13.

### **SECTION 7: Handling and storage**

### 7.1 Precautions for safe handling

### Recommendations

- Measures to prevent fire as well as aerosol and dust generation

Use local and general ventilation. Use only in well-ventilated areas.

#### Advice on general occupational hygiene

Wash hands after use. Do not eat, drink and smoke in work areas. Remove contaminated clothing and protective equipment before entering eating areas. Never keep food or drink in the vicinity of chemicals. Never place chemicals in containers that are normally used for food or drink. Keep away from food, drink and animal feedingstuffs.

#### 7.2 Conditions for safe storage, including any incompatibilities

Control of the effects

Protect against external exposure, such as

frost

#### 7.3 Specific end use(s)

See section 16 for a general overview.

### SECTION 8: Exposure controls/personal protection

#### 8.1 Control parameters

This information is not available.

Relevant DNELs of components of the mixture							
Name of sub- stance	CAS No	End- point	Threshold level	Protection goal, route of expos- ure	Used in	Exposure time	
tetrapotassium pyro- phosphate	7320-34-5	DNEL	18 mg/m <sup>3</sup>	human, inhalatory	worker (industry)	chronic - systemic effects	
Alcohols, C9-11 eth- oxylated	68439-46-3	DNEL	2,080 mg/ kg	human, dermal	worker (industry)	chronic - systemic effects	
Alcohols, C9-11 eth- oxylated	68439-46-3	DNEL	294 mg/m <sup>3</sup>	human, inhalatory	worker (industry)	chronic - systemic effects	



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Relevant DNELs of components of the mixture							
Name of sub- stance	CAS No	End- point	Threshold level	Protection goal, route of expos- ure	Used in	Exposure time	
sodium tripolyphos- phate	7758-29-4	DNEL	0.66 mg/m <sup>3</sup>	human, inhalatory	worker (industry)	chronic - systemic effects	
sodium tripolyphos- phate	7758-29-4	DNEL	0.66 mg/m <sup>3</sup>	human, inhalatory	worker (industry)	acute - systemic ef- fects	
sodium tripolyphos- phate	7758-29-4	DNEL	0.38 mg/kg bw/day	human, dermal	worker (industry)	chronic - systemic effects	
sodium tripolyphos- phate	7758-29-4	DNEL	0.38 mg/kg bw/day	human, dermal	worker (industry)	acute - systemic ef- fects	

Relevant PNECs of components of the mixtur	Relevant	PNECs of	components	of the	mixture
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Name of sub- stance	CAS No	End- point	Threshold level	Organism	Environmental compartment	Exposure time
tetrapotassium pyro- phosphate	7320-34-5	PNEC	0.05 <sup>mg</sup> / <sub>l</sub>	aquatic organisms	freshwater	short-term (single instance)
tetrapotassium pyro- phosphate	7320-34-5	PNEC	0.005 <sup>mg</sup> / <sub>l</sub>	aquatic organisms	marine water	short-term (single instance)
tetrapotassium pyro- phosphate	7320-34-5	PNEC	50 <sup>mg</sup> / <sub>l</sub>	microorganisms	sewage treatment plant (STP)	short-term (single instance)
tetrapotassium pyro- phosphate	7320-34-5	PNEC	0.5 <sup>mg</sup> / <sub>l</sub>	aquatic organisms	water	intermittent release
Alcohols, C9-11 eth- oxylated	68439-46-3	PNEC	0.1 <sup>mg</sup> / <sub>l</sub>	aquatic organisms	freshwater	short-term (single instance)
Alcohols, C9-11 eth- oxylated	68439-46-3	PNEC	0.1 <sup>mg</sup> / <sub>l</sub>	aquatic organisms	marine water	short-term (single instance)
Alcohols, C9-11 eth- oxylated	68439-46-3	PNEC	1.4 <sup>mg</sup> / <sub>l</sub>	microorganisms	sewage treatment plant (STP)	short-term (single instance)
Alcohols, C9-11 eth- oxylated	68439-46-3	PNEC	14 <sup>mg</sup> / <sub>kg</sub>	benthic organisms	sediment	short-term (single instance)
Alcohols, C9-11 eth- oxylated	68439-46-3	PNEC	14 <sup>mg</sup> / <sub>kg</sub>	pelagic organisms	sediment	short-term (single instance)
Alcohols, C9-11 eth- oxylated	68439-46-3	PNEC	1 <sup>mg</sup> / <sub>kg</sub>	terrestrial organ- isms	soil	short-term (single instance)
Alcohols, C9-11 eth- oxylated	68439-46-3	PNEC	0.014 <sup>mg</sup> / <sub>l</sub>	aquatic organisms	water	intermittent release
sodium tripolyphos- phate	7758-29-4	PNEC	0.19 <sup>mg</sup> / <sub>kg</sub>	benthic organisms	sediment	short-term (single instance)
sodium tripolyphos- phate	7758-29-4	PNEC	0.05 <sup>mg</sup> / <sub>l</sub>	aquatic organisms	water	intermittent release



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Relevant PNECs of components of the mixture							
Name of sub- stance	CAS No	End- point	Threshold level	Organism	Environmental compartment	Exposure time	
sodium tripolyphos- phate	7758-29-4	PNEC	0.005 <sup>mg</sup> / <sub>l</sub>	aquatic organisms	freshwater	short-term (single instance)	
sodium tripolyphos- phate	7758-29-4	PNEC	0.005 <sup>mg</sup> / <sub>l</sub>	aquatic organisms	marine water	short-term (single instance)	
sodium tripolyphos- phate	7758-29-4	PNEC	0.19 <sup>mg</sup> / <sub>kg</sub>	aquatic organisms	freshwater sediment	short-term (single instance)	
sodium tripolyphos- phate	7758-29-4	PNEC	0.14 <sup>mg</sup> / <sub>kg</sub>	terrestrial organ- isms	soil	short-term (single instance)	

### 8.2 Exposure controls

Appropriate engineering controls

General ventilation.

Individual protection measures (personal protective equipment)

#### Eye/face protection

Wear eye/face protection.

#### Skin protection

- Hand protection

Wear suitable gloves. Chemical protection gloves are suitable, which are tested according to EN 374. Check leak-tightness/impermeability prior to use. In the case of wanting to use the gloves again, clean them before taking off and air them well. For special purposes, it is recommended to check the resistance to chemicals of the protective gloves mentioned above together with the supplier of these gloves.

#### - Other protection measures

Take recovery periods for skin regeneration. Preventive skin protection (barrier creams/ointments) is recommended. Wash hands thoroughly after handling.

#### Respiratory protection

In case of inadequate ventilation wear respiratory protection.

#### Environmental exposure controls

Use appropriate container to avoid environmental contamination. Keep away from drains, surface and ground water.

### **SECTION 9: Physical and chemical properties**

# 9.1 Information on basic physical and chemical properties Appearance



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Physical state	liquid
Color	colorless
Particle	not relevant (liquid)
Odor	citrus - herbal
Other safety parameters	
pH (value)	10
Melting point/freezing point	not determined
Initial boiling point and boiling range	100 °C
Flash point	>100 °C at 1,013 mbar closed cup
Evaporation rate	Not determined
Flammability (solid, gas)	not relevant, (fluid)
Vapor pressure	32 hPa at 25 °C
Density	9.2 <sup>lb</sup> / <sub>gal</sub> at 25 °C 1.1 <sup>g</sup> / <sub>cm<sup>3</sup></sub> at 25 °C
Vapor density	this information is not available
Solubility(ies)	
- Water solubility	miscible in any proportion
Partition coefficient	
- n-octanol/water (log KOW)	this information is not available
Auto-ignition temperature	311 °C
Viscosity	not determined
Explosive properties	none
Oxidizing properties	none
Temperature class (USA, acc. to NEC 500)	$T2$ (maximum permissible surface temperature on the equipment: 300 $^\circ\text{C})$

acc. to 29 CFR 1910.1200 App D



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# SECTION 10: Stability and reactivity

#### 10.1 Reactivity

Concerning incompatibility: see below "Conditions to avoid" and "Incompatible materials".

#### 10.2 Chemical stability

See below "Conditions to avoid".

**10.3 Possibility of hazardous reactions** No known hazardous reactions.

#### 10.4 Conditions to avoid

There are no specific conditions known which have to be avoided.

#### 10.5 Incompatible materials

Oxidizers

#### 10.6 Hazardous decomposition products

Reasonably anticipated hazardous decomposition products produced as a result of use, storage, spill and heating are not known. Hazardous combustion products: see section 5.

### **SECTION 11: Toxicological information**

#### 11.1 Information on toxicological effects

Test data are not available for the complete mixture.

Classification procedure

The method for classification of the mixture is based on ingredients of the mixture (additivity formula).

### Classification acc. to OSHA "Hazard Communication Standard" (29 CFR 1910.1200)

#### Acute toxicity

Shall not be classified as acutely toxic.

Acute toxicity estimate (ATE) of components of the mixture						
Name of substance	CAS No	Exposure route	ATE			
tetrapotassium pyrophosphate	7320-34-5	inhalation: dust/mist	>1.1 <sup>mg</sup> / <sub>l</sub> /4h			
Alcohols, C9-11 ethoxylated	68439-46-3	oral	1,200 <sup>mg</sup> / <sub>kg</sub>			
Alcohols, C9-11 ethoxylated	68439-46-3	dermal	2,000 <sup>mg</sup> / <sub>kg</sub>			
sodium tripolyphosphate	7758-29-4	inhalation: dust/mist	>0.39 <sup>mg</sup> /ı/4h			

#### Skin corrosion/irritation

Shall not be classified as corrosive/irritant to skin.

#### Serious eye damage/eye irritation

Causes serious eye irritation.

acc. to 29 CFR 1910.1200 App D



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Respiratory or skin sensitization

Contains d-limonene. May produce an allergic reaction.

#### Germ cell mutagenicity

Shall not be classified as germ cell mutagenic.

### Carcinogenicity

Shall not be classified as carcinogenic.

#### Reproductive toxicity

Shall not be classified as a reproductive toxicant.

# Specific target organ toxicity - single exposure

Shall not be classified as a specific target organ toxicant (single exposure).

#### Specific target organ toxicity - repeated exposure

Shall not be classified as a specific target organ toxicant (repeated exposure).

#### Aspiration hazard

Shall not be classified as presenting an aspiration hazard.

# **SECTION 12: Ecological information**

#### 12.1 Toxicity

Г

Toxic to aquatic life.

Aquatic toxicity (acute) of components of the mixture							
Name of substance	CAS No	Endpoint	Value	Species	Exposure time		
tetrapotassium pyro- phosphate	7320-34-5	LC50	>100 <sup>mg</sup> / <sub>l</sub>	fish	96 h		
tetrapotassium pyro- phosphate	7320-34-5	EC50	>100 <sup>mg</sup> / <sub>l</sub>	aquatic invertebrates	48 h		
tetrapotassium pyro- phosphate	7320-34-5	ErC50	>100 <sup>mg</sup> / <sub>l</sub>	algae	72 h		
Alcohols, C9-11 eth- oxylated	68439-46-3	LC50	8.5 <sup>mg</sup> / <sub>l</sub>	fathead minnow	96 h		
Alcohols, C9-11 eth- oxylated	68439-46-3	EC50	5.3 <sup>mg</sup> / <sub>l</sub>	daphnia magna	48 h		
Alcohols, C9-11 eth- oxylated	68439-46-3	ErC50	1 – 10 <sup>mg</sup> / <sub>l</sub>	algae	96 h		
Alcohols,C6-10,eth- oxylatedpropoxylated	68603-25-8	LC50	8.7 <sup>mg</sup> / <sub>l</sub>	rainbow trout	96 h		
Alcohols,C6-10,eth- oxylatedpropoxylated	68603-25-8	EC50	13 <sup>mg</sup> / <sub>l</sub>	daphnia	48 h		
sodium tripolyphosphate	7758-29-4	LC50	>1,850 <sup>mg</sup> / <sub>l</sub>	fish	24 h		
sodium tripolyphosphate	7758-29-4	EC50	>100 <sup>mg</sup> / <sub>l</sub>	aquatic invertebrates	48 h		

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# **12.2 Persistence and degradability** Data are not available.

- **12.3 Bioaccumulative potential** Data are not available.
- **12.4 Mobility in soil** Data are not available.
- **12.5 Results of PBT and vPvB assessment** Data are not available.
- **12.6 Endocrine disrupting properties** None of the ingredients are listed.

# 12.7 Other adverse effects

Data are not available.

### **SECTION 13: Disposal considerations**

#### 13.1 Waste treatment methods

Sewage disposal-relevant information

Do not empty into drains. Avoid release to the environment. Refer to special instructions/safety data sheets.

Waste treatment of containers/packages

Completely emptied packages can be recycled. Handle contaminated packages in the same way as the substance itself.

#### Remarks

Please consider the relevant national or regional provisions. Waste shall be separated into the categories that can be handled separately by the local or national waste management facilities.

#### **SECTION 14: Transport information UN number** 14.1 not assigned 14.2 UN proper shipping name not relevant 14.3 Transport hazard class(es) not assigned 14.4 Packing group not assigned 14.5 **Environmental hazards** non-environmentally hazardous acc. to the dangerous goods regulations 14.6 Special precautions for user

**14.7** Transport in bulk according to IMO instruments The cargo is not intended to be carried in bulk.

There is no additional information.

acc. to 29 CFR 1910.1200 App D



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## Information for each of the UN Model Regulations

Transport of dangerous goods by road or rail (49 CFR US DOT) - Additional information Not subject to transport regulations.

International Maritime Dangerous Goods Code (IMDG) - Additional information Not subject to IMDG.

International Civil Aviation Organization (ICAO-IATA/DGR) - Additional information Not subject to ICAO-IATA.

# **SECTION 15: Regulatory information**

# 15.1 Safety, health and environmental regulations specific for the product in question

National regulations (United States)

 Toxic Substance Control Act (TSCA)
 all ingredients are listed

# Superfund Amendment and Reauthorization Act (SARA TITLE III )

- The List of Extremely Hazardous Substances and Their Threshold Planning Quantities (EPCRA Section 302, 304)

none of the ingredients are listed

### Clean Air Act

none of the ingredients are listed

### **Right to Know Hazardous Substance List**

- Cleaning Product Right to Know Act Substance List (CA-RTK)

Name of substance	CAS No	Functionality	Authoritative Lists
water	7732-18-5	solvent	
sodium xylene sulphonate	1300-72-7	surfactant	
tetrapotassium pyrophosphate	7320-34-5	cleaning agent	
Alcohols,C6-10,ethoxylatedpropoxylated	68603-25-8	surfactant	
Alcohols, C9-11 ethoxylated	68439-46-3	surfactant	
Tergitol 15-S-3	84133-50-6	surfactant	
sodium tripolyphosphate	7758-29-4	water softener	
dipropylene glycol	110-98-5	alcohols	
EDTA, anhydrous	64-02-8	chelate / se- questrant	
sodium sulfate	7757-82-6	cleaning agent	
sodium 1-octanesulfonate - substance	5324-84-5	surfactant	
1-(1,2,3,4,5,6,7,8-octahydro-2,3,8,8-tetra- methyl-2naphtalenyl)ethanone	54464-57-2	fragrance	

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Name of substance	CAS No	Functionality	Authoritative Lists
linalool	78-70-6	fragrance	EU Fragrance Allergens
Linalyl acetate	115-95-7	fragrance	
Dihydromyrcenol	18479-58-8	fragrance	
Ethyl linalool	10339-55-6	fragrance	
propan-2-ol	67-63-0	alcohols	OEHHA RELS
sodium hydroxide	1310-73-2	pH adjusting agent	OEHHA RELs

# - Toxic or Hazardous Substance List (MA-TURA)

Name of substance	CAS No	DEP CODE	pbt / HHS / LHS	PBT / HHS Threshol d	De Minimis Con- centration Threshold
sodium tripolyphosphate	7758-29-4				1.0 %

### - Hazardous Substance List (Chapter 323) (PA-RTK)

Name acc. to inventory	CAS No	Classification
TRIPHOSPHORIC ACID, PENTASODIUM SALT	7758-29-4	E

Legend E

Environmental hazard

# California Environmental Protection Agency (Cal/EPA): Proposition 65 - Safe Drinking Water and Toxic Enforcement Act of 1987

none of the ingredients are listed

# VOC content

- Regulated Volatile Organic Compounds (VOC-EPA)	0.82 %
- Regulated Volatile Organic Compounds (VOC-Cal ARB)	0.82 %

# Industry or sector specific available guidance(s) NPCA-HMIS® III

Hazardous Materials Identification System. American Coatings Association.

Category	Rating	Description
Chronic	/	none
Health	2	temporary or minor injury may occur
Flammability	1	material that must be preheated before ignition can occur
Physical hazard	0	material that is normally stable, even under fire conditions, and will not react with water, polymerize, decompose, condense, or self-react. Non-explosive



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Category	Rating	Description
Personal protection	-	

### **NFPA® 704**

National Fire Protection Association: Standard System for the Identification of the Hazards of Materials for Emergency Response (United States).

Category	Degree of hazard	Description
Flammability	1	material that must be preheated before ignition can occur
Health	0	material that, under emergency conditions, would offer no hazard beyond that of ordinary combustible material
Instability	0	material that is normally stable, even under fire conditions
Special hazard		

#### National inventories

Country	Inventory	Status
CA	DSL	all ingredients are listed
EU	REACH Reg.	not all ingredients are listed
US	TSCA	all ingredients are listed
AU	AIIC	all ingredients are listed
CN	IECSC	all ingredients are listed
EU	ECSI	not all ingredients are listed
JP	CSCL-ENCS	not all ingredients are listed
JP	ISHA-ENCS	not all ingredients are listed
KR	KECI	not all ingredients are listed
MX	INSQ	not all ingredients are listed
NZ	NZIoC	all ingredients are listed
PH	PICCS	all ingredients are listed
TR	CICR	not all ingredients are listed
TW	TCSI	all ingredients are listed

Legend

Australian Inventory of Industrial Chemicals Chemical Inventory and Control Regulation List of Existing and New Chemical Substances (CSCL-ENCS) Domestic Substances List (DSL) EC Substance Inventory (EINECS, ELINCS, NLP) Inventory of Existing Chemical Substances Produced or Imported in China National Inventory of Chemical Substances Inventory of Existing and New Chemical Substances (ISHA-ENCS) AIIC CICR CSCL-ENCS DSL ECSI IECSC INSQ ISHA-ENCS Inventory of Existing and New Chemical Substances (ISHA-ENCS) KECI Korea Existing Chemicals Inventory NZIoC New Zealand Inventory of Chemicals

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Legend	
PICCS	Philippine Inventory of Chemicals and Chemical Substances (PICCS)
REACH Reg.	REACH registered substances
TCSI	Taiwan Chemical Substance Inventory
TSCA	Toxic Substance Control Act

### 15.2 Chemical Safety Assessment

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

## SECTION 16: Other information, including date of preparation or last revision

## Abbreviations and acronyms

Abbr.	Descriptions of used abbreviations
49 CFR US DOT	49 CFR U.S. Department of Transportation
Acute Tox.	Acute toxicity
ATE	Acute Toxicity Estimate
Cal ARB	California Air Resources Board
CAS	Chemical Abstracts Service (service that maintains the most comprehensive list of chemical substances)
DEP CODE	Department of Environmental Protection Code
DGR	Dangerous Goods Regulations (see IATA/DGR)
DNEL	Derived No-Effect Level
EC50	Effective Concentration 50 %. The EC50 corresponds to the concentration of a tested substance causing 50 % changes in response (e.g. on growth) during a specified time interval
EINECS	European Inventory of Existing Commercial Chemical Substances
ELINCS	European List of Notified Chemical Substances
EPA	Environmental Protection Agency. An agency of the federal government of the United States charged with protect- ing human health and the environment
ErC50	= EC50: in this method, that concentration of test substance which results in a 50 % reduction in either growth (EbC50) or growth rate (ErC50) relative to the control
Eye Dam.	Seriously damaging to the eye
Eye Irrit.	Irritant to the eye
GHS	"Globally Harmonized System of Classification and Labelling of Chemicals" developed by the United Nations
HHS	Higher hazard substance
HS	Harmonized Commodity Description and Coding System (Harmonized System, drawn up by the World Customs Organisation)
ΙΑΤΑ	International Air Transport Association
IATA/DGR	Dangerous Goods Regulations (DGR) for the air transport (IATA)
ICAO	International Civil Aviation Organization
IMDG	International Maritime Dangerous Goods Code



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Abbr.	Descriptions of used abbreviations
LC50	Lethal Concentration 50%: the LC50 corresponds to the concentration of a tested substance causing 50 % lethal- ity during a specified time interval
LHS	Lower hazard substance
NLP	No-Longer Polymer
NPCA-HMIS® III	National Paint and Coatings Association: Hazardous Materials Identification System - HMIS® III, Third Edition
OSHA	Occupational Safety and Health Administration (United States)
PBT	Persistent, Bioaccumulative and Toxic
PNEC	Predicted No-Effect Concentration
RTECS	Registry of Toxic Effects of Chemical Substances (database of NIOSH with toxicological information)
Skin Corr.	Corrosive to skin
Skin Irrit.	Irritant to skin
VOC	Volatile Organic Compounds
vPvB	Very Persistent and very Bioaccumulative

#### Key literature references and sources for data

OSHA Hazard Communication Standard (HCS), 29 CFR 1910.1200.

Transport of dangerous goods by road or rail (49 CFR US DOT). International Maritime Dangerous Goods Code (IMDG). Dangerous Goods Regulations (DGR) for the air transport (IATA).

#### **Classification procedure**

Physical and chemical properties: The classification is based on tested mixture. Health hazards, Environmental hazards: The method for classification of the mixture is based on ingredients of the mixture (additivity formula).

#### List of relevant phrases (code and full text as stated in section 2 and 3)

Code	Text
H302	Harmful if swallowed.
H312	Harmful in contact with skin.
H315	Causes skin irritation.
H318	Causes serious eye damage.
H319	Causes serious eye irritation.
H320	Causes eye irritation.
H330	Fatal if inhaled.
H332	Harmful if inhaled.

#### Disclaimer

This information is based upon the present state of our knowledge. This SDS has been compiled and is solely intended for this product.