

Safety data sheet

according to 1907/2006/EC, Article 31

Printing date 05.05.2023

Version number 6 (replaces version 2)

Revision: 05.05.2023

SECTION 1: Identification of the substance/mixture and of the company/undertaking

- **1.1 Product identifier**
- **Trade name:** Fosgalon TC Multi
- **Article number:** 5411XX
- **UFI:** W0V3-W6NG-Q604-J4FW
- **1.2 Relevant identified uses of the substance or mixture and uses advised against**
No further relevant information available.
- **Application of the substance / the mixture** Alkaline cleaner/ detergent
- **1.3 Details of the supplier of the safety data sheet**
- **Manufacturer/Supplier:**
Chemische Fabrik Dr. Stöcker GmbH & Co. KG
Gewerbstrasse 19-25
D-55546 Pfaffen-Schwabenheim
+49 (0)6701 911780
- **Further information obtainable from:**
Safety Department
sicherheit@dr-stoecker.de
- **1.4 Emergency telephone number:**
INTERNATIONAL: +49 (0) 6132 / 84463 (GBK Gefahrgut Büro GmbH, Ingelheim)

SECTION 2: Hazards identification

- **2.1 Classification of the substance or mixture**
- **Classification according to Regulation (EC) No 1272/2008**
Skin Corr. 1A H314 Causes severe skin burns and eye damage.
Eye Dam. 1 H318 Causes serious eye damage.
- **2.2 Label elements**
- **Labelling according to Regulation (EC) No 1272/2008**
The product is classified and labelled according to the CLP regulation.
- **Hazard pictograms**



GHS05

- **Signal word** *Danger*
- **Hazard-determining components of labelling:**
sodium hydroxide
Coco alkylamine ethoxylate
- **Hazard statements**
H314 Causes severe skin burns and eye damage.
- **Precautionary statements**
P260 Do not breathe mist/vapours/spray.
P280 Wear protective gloves/protective clothing/eye protection/face protection/hearing protection.
P301+P330+P331 IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.
P303+P361+P353 IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water [or shower].
P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P310 Immediately call a POISON CENTER/doctor.

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- 2.3 Other hazards
- Results of PBT and vPvB assessment
- PBT: Not applicable.
- vPvB: Not applicable.

SECTION 3: Composition/information on ingredients

- 3.2 Mixtures
- Description: Mixture of substances listed below with nonhazardous additions.

Dangerous components:

CAS: 1310-73-2 EINECS: 215-185-5 Index number: 011-002-00-6 Reg.nr.: 01-2119457892-27	sodium hydroxide Met. Corr.1, H290; Skin Corr. 1A, H314; Eye Dam. 1, H318 Specific concentration limits: Skin Corr. 1A; H314: $C \geq 5\%$ Skin Corr. 1B; H314: $2\% \leq C < 5\%$ Skin Irrit. 2; H315: $0.5\% \leq C < 2\%$ Eye Dam. 1; H318: $C \geq 2\%$ Eye Irrit. 2; H319: $0.5\% \leq C < 2\%$	$\geq 10 - \leq 25\%$
EC number: 931-534-0 Reg.nr.: 01-2119513401-57	Sulfonic acids, C14-16-alkane hydroxy and C14-16-alkene, sodium salts Eye Dam. 1, H318; Skin Irrit. 2, H315 Specific concentration limits: Skin Irrit. 2; H315: $C \geq 5\%$ Eye Dam. 1; H318: $C \geq 38\%$ Eye Irrit. 2; H319: $5\% \leq C < 38\%$	$\leq 2.5\%$
CAS: 61791-14-8 Polymer	Coco alkylamine ethoxylate Eye Dam. 1, H318; Acute Tox. 4, H302; Aquatic Chronic 3, H412	$\geq 1 - < 2.5\%$
CAS: 15763-76-5 EINECS: 239-854-6 Reg.nr.: 01-2119489411-37	Sodium p-cumenesulphonate Eye Irrit. 2, H319	$\leq 2.5\%$
CAS: 164524-02-1 EC number: 629-764-9 Reg.nr.: 01-2119489427-24	Potassium p-cumenesulfonate Eye Irrit. 2, H319	$\leq 2.5\%$

Regulation (EC) No 648/2004 on detergents / Labelling for contents

anionic surfactants, non-ionic surfactants, cationic surfactants, phosphonates

 $< 5\%$

- Additional information: For the wording of the listed hazard phrases refer to section 16.

SECTION 4: First aid measures

- 4.1 Description of first aid measures
- General information:
 - Immediately remove any clothing soiled by the product.
 - In case of unconsciousness place patient stably in side position for transportation.
- After inhalation: Supply fresh air; consult doctor in case of complaints.
- After skin contact:
 - Immediately rinse with water.
 - Immediate medical treatment necessary. Failure to treat burns can prevent wounds from healing.
- After eye contact: Rinse opened eye for several minutes under running water. Then consult a doctor.
- After swallowing:
 - Do not induce vomiting; call for medical help immediately.

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*Drink plenty of water and provide fresh air. Call for a doctor immediately.**Rinse mouth.*· **4.2 Most important symptoms and effects, both acute and delayed** *No further relevant information available.*· **4.3 Indication of any immediate medical attention and special treatment needed***No further relevant information available.*

SECTION 5: Firefighting measures

· **5.1 Extinguishing media**· **Suitable extinguishing agents:***Use fire extinguishing methods suitable to surrounding conditions.**CO₂, powder or water spray. Fight larger fires with water spray or alcohol resistant foam.*· **For safety reasons unsuitable extinguishing agents:** *Water with full jet*· **5.2 Special hazards arising from the substance or mixture** *No further relevant information available.*· **5.3 Advice for firefighters**· **Protective equipment:***Mouth respiratory protective device.**Wear fully protective suit.**Do not inhale explosion gases or combustion gases.*· **Additional information***Dispose of fire debris and contaminated fire fighting water in accordance with official regulations.*

SECTION 6: Accidental release measures

· **6.1 Personal precautions, protective equipment and emergency procedures***Wear protective equipment. Keep unprotected persons away.**Ensure adequate ventilation**Use respiratory protective device against the effects of fumes/dust/aerosol.*· **6.2 Environmental precautions:***Dilute with plenty of water.**Do not allow to enter sewers/ surface or ground water.*· **6.3 Methods and material for containment and cleaning up:***Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).**Use neutralising agent.**Dispose contaminated material as waste according to item 13.**Ensure adequate ventilation.*· **6.4 Reference to other sections***See Section 7 for information on safe handling.**See Section 8 for information on personal protection equipment.**See Section 13 for disposal information.*

SECTION 7: Handling and storage

· **7.1 Precautions for safe handling***Ensure good ventilation/exhaustion at the workplace.**Prevent formation of aerosols.**Open and handle receptacle with care.*· **Information about fire - and explosion protection:** *Keep ignition sources away - Do not smoke.*

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- **7.2 Conditions for safe storage, including any incompatibilities**
- **Storage:**
- **Requirements to be met by storerooms and receptacles:**
Store only in the original receptacle.
Provide alkali-resistant floor.
- **Information about storage in one common storage facility:**
Do not store together with acids.
Store away from oxidising agents.
Store away from metals.
Getrennt von Nahrungsmitteln, Getränken und Futtermitteln lagern.
- **Further information about storage conditions:**
Keep container tightly sealed.
Store receptacle in a well ventilated area.
Protect from heat and direct sunlight.
Protect from frost.
- **Storage class:** 8 B
- **7.3 Specific end use(s)** No further relevant information available.

SECTION 8: Exposure controls/personal protection

- **8.1 Control parameters**
- **Ingredients with limit values that require monitoring at the workplace:**
The product does not contain any relevant quantities of materials with critical values that have to be monitored at the workplace.

· DNELs		
1310-73-2 sodium hydroxide		
Inhalative	Long-term - local effects, worker	1 mg/m ³ (worker)
	Long term - local effects, general population	1 mg/m ³ (general population)
Sulfonic acids, C14-16-alkane hydroxy and C14-16-alkene, sodium salts		
Oral	Long term - systemic effects, general population	12.95 mg/kg bw/day (general population)
Dermal	Long-term - systemic effects, worker	2,158.33 mg/kg bw/day (worker)
	Long term - systemic effects, general population	129 mg/kg bw/day (general population)
Inhalative	Long-term - systemic effects, worker	152.22 mg/m ³ (worker)
	Long term - systemic effects, general population	45.04 mg/m ³ (general population)
15763-76-5 Sodium p-cumenesulphonate		
Oral	Long term - systemic effects, general population	3.8 mg/kg bw/day (general population)
Dermal	Long-term - systemic effects, worker	136.25 mg/kg bw/day (worker)
	Long-term - local effects, worker	0.096 mg/cm ² (worker)
	Long term - systemic effects, general population	68.1 mg/kg bw/day (general population)
	Long term - local effects, general population	0.048 mg/cm ² (general population)
Inhalative	Long-term - systemic effects, worker	26.9 mg/m ³ (worker)
	Long term - systemic effects, general population	6.6 mg/m ³ (general population)
164524-02-1 Potassium p-cumenesulphonate		
Oral	Long term - systemic effects, general population	3.8 mg/kg bw/day (general population)
Dermal	Long-term - systemic effects, worker	136.25 mg/kg bw/day (worker)
	Long-term - local effects, worker	0.096 mg/cm ² (worker)

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<i>Inhalative</i>	<i>Long term - systemic effects, general population</i>	68.1 mg/kg bw/day (general population)
	<i>Long term - local effects, general population</i>	0.048 mg/cm ² (general population)
	<i>Long-term - systemic effects, worker</i>	26.9 mg/m ³ (worker)
	<i>Long term - systemic effects, general population</i>	6.6 mg/m ³ (general population)

· PNECs**Sulfonic acids, C14-16-alkane hydroxy and C14-16-alkene, sodium salts**

<i>Aquatic compartment - freshwater</i>	0.024 mg/l (freshwater)
<i>Aquatic compartment - marine water</i>	0.0024 mg/l (marine water)
<i>Aquatic compartment - sediment in freshwater</i>	0.767 mg/kg sed dw (sediment fresh water)
<i>Aquatic compartment - sediment in marine water</i>	0.0767 mg/kg sed dw (sediment marine water)
<i>Terrestrial compartment - soil</i>	1.21 mg/kg dw (soil)
<i>sewage treatment plant</i>	4 mg/l (sewage treatment plant)

15763-76-5 Sodium p-cumenesulphonate

<i>Aquatic compartment - freshwater</i>	0.23 mg/l (freshwater)
<i>Aquatic compartment - marine water</i>	0.023 mg/l (marine water)
<i>Aquatic compartment - water, intermittent releases</i>	2.3 mg/l (intermittent release water)
<i>Aquatic compartment - sediment in freshwater</i>	0.862 mg/kg sed dw (sediment fresh water)
<i>Aquatic compartment - sediment in marine water</i>	0.086 mg/kg sed dw (sediment marine water)
<i>Terrestrial compartment - soil</i>	0.037 mg/kg dw (soil)
<i>sewage treatment plant</i>	100 mg/l (sewage treatment plant)

164524-02-1 Potassium p-cumenesulfonate

<i>Aquatic compartment - freshwater</i>	0.23 mg/l (freshwater)
<i>Aquatic compartment - marine water</i>	0.023 mg/l (marine water)
<i>Aquatic compartment - sediment in freshwater</i>	0.862 mg/kg sed dw (sediment fresh water)
<i>Aquatic compartment - sediment in marine water</i>	0.086 mg/kg sed dw (sediment marine water)
<i>Terrestrial compartment - soil</i>	0.037 mg/kg dw (soil)
<i>sewage treatment plant</i>	100 mg/l (sewage treatment plant)

· Additional information: The lists valid during the making were used as basis.**· 8.2 Exposure controls****· Appropriate engineering controls** No further data; see item 7.**· Individual protection measures, such as personal protective equipment****· General protective and hygienic measures:**

Keep away from foodstuffs, beverages and feed.

Immediately remove all soiled and contaminated clothing

Wash hands before breaks and at the end of work.

Avoid contact with the eyes and skin.

Do not eat, drink, smoke or sniff while working.

Do not inhale gases / fumes / aerosols.

· Respiratory protection:

In case of brief exposure or low pollution use respiratory filter device. In case of intensive or longer exposure use self-contained respiratory protective device.

Use suitable respiratory protective device only when aerosol or mist is formed.

B-P2

· Hand protection

Protective gloves

Alkaline resistant gloves

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- **Material of gloves**
Nitrile rubber, NBR
Recommended thickness of the material: ≥ 0.35 mm
The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer. As the product is a preparation of several substances, the resistance of the glove material can not be calculated in advance and has therefore to be checked prior to the application.
- **Penetration time of glove material**
For the mixture of chemicals mentioned below the penetration time has to be at least 480 minutes (Permeation according to EN 16523-1:2015: Level 6).
The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed.
- **Eye/face protection** Tightly sealed goggles
- **Body protection:**
Alkaline resistant protective clothing
Protective work clothing

SECTION 9: Physical and chemical properties

- **9.1 Information on basic physical and chemical properties**
- **General Information**
- **Physical state** Fluid
- **Colour:** Clear
- **Odour:** Specific type
- **Odour threshold:** No further relevant information available.
- **Melting point/freezing point:** No further relevant information available.
- **Boiling point or initial boiling point and boiling range** 100 °C
- **Flammability** Not applicable.
- **Lower and upper explosion limit**
- **Lower:** No further relevant information available.
- **Upper:** No further relevant information available.
- **Flash point:** Not applicable.
- **Ignition temperature:** No further relevant information available.
- **Decomposition temperature:** No further relevant information available.
- **pH at 20 °C** 13.5 (DIN 19268)
- **Viscosity:**
- **Kinematic viscosity** No further relevant information available.
- **Dynamic:** No further relevant information available.
- **Solubility**
- **water:** Fully miscible.
- **Partition coefficient n-octanol/water (log value)** No further relevant information available.
- **Vapour pressure at 20 °C:** 23 hPa
- **Density and/or relative density**
- **Density at 20 °C:** 1.163 g/cm³ (DIN 51757)
- **Relative density** No further relevant information available.
- **Vapour density** No further relevant information available.
- **9.2 Other information**
- **Appearance:**
- **Form:** Fluid
- **Important information on protection of health and environment, and on safety.**
- **Auto-ignition temperature:** Product is not selfigniting.

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- **Explosive properties:** Product does not present an explosion hazard.
- **Change in condition**
- **Softening point/range**
- **Oxidising properties** Not applicable.
- **Evaporation rate** No further relevant information available.
- **Information with regard to physical hazard classes**
- **Explosives** Void
- **Flammable gases** Void
- **Aerosols** Void
- **Oxidising gases** Void
- **Gases under pressure** Void
- **Flammable liquids** Void
- **Flammable solids** Void
- **Self-reactive substances and mixtures** Void
- **Pyrophoric liquids** Void
- **Pyrophoric solids** Void
- **Self-heating substances and mixtures** Void
- **Substances and mixtures, which emit flammable gases in contact with water** Void
- **Oxidising liquids** Void
- **Oxidising solids** Void
- **Organic peroxides** Void
- **Corrosive to metals** Void
- **Desensitised explosives** Void

SECTION 10: Stability and reactivity

- **10.1 Reactivity** No further relevant information available.
- **10.2 Chemical stability**
- **Thermal decomposition / conditions to be avoided:**
No decomposition if used and stored according to specifications.
- **10.3 Possibility of hazardous reactions**
Reacts with acids.
Reacts with strong oxidising agents.
Reacts with light alloys to form hydrogen.
Diluting or dissolving in water always causes rapid heating.
- **10.4 Conditions to avoid** No further relevant information available.
- **10.5 Incompatible materials:**
Leichtmetalle: Aluminium, Zink, Zinn
Acids
oxidizing agent
- **10.6 Hazardous decomposition products:** Corrosive gases/vapours

SECTION 11: Toxicological information

- **11.1 Information on hazard classes as defined in Regulation (EC) No 1272/2008**
- **Acute toxicity** Based on available data, the classification criteria are not met.

· LD/LC50 values relevant for classification:		
Sulfonic acids, C14-16-alkane hydroxy and C14-16-alkene, sodium salts		
Dermal	LD50	6,300 mg/kg (rabbit)

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Inhalative	LC50/4 h	>52 mg/l (rat)
	CSB - Wert	790 mg O ₂ /g ()
61791-14-8 Coco alkylamine ethoxylate		
Oral	LD50	>300-2,000 mg/kg (rat)
15763-76-5 Sodium p-cumenesulphonate		
Oral	LD50	>2,000 mg/kg (rat) (OECD 401)
Dermal	LD50	>2,000 mg/kg (rabbit)
164524-02-1 Potassium p-cumenesulfonate		
Oral	LD50	>2,000 mg/kg (rat) (OECD 401)
Dermal	LD50	>2,000 mg/kg (rabbit) (OECD 402)

- **Skin corrosion/irritation**

Causes severe skin burns and eye damage.

- **Serious eye damage/irritation**

Causes serious eye damage.

- **Respiratory or skin sensitisation** Based on available data, the classification criteria are not met.

- **Germ cell mutagenicity** Based on available data, the classification criteria are not met.

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

- **Reproductive toxicity** Based on available data, the classification criteria are not met.

- **STOT-single exposure** Based on available data, the classification criteria are not met.

- **STOT-repeated exposure** Based on available data, the classification criteria are not met.

- **Aspiration hazard** Based on available data, the classification criteria are not met.

- **11.2 Information on other hazards**

- **Endocrine disrupting properties**

None of the ingredients is listed.

SECTION 12: Ecological information

- **12.1 Toxicity**

- **Aquatic toxicity:**

1310-73-2 sodium hydroxide

LC50/96 h 196 mg/l (fish)

EC50/48 h 40.4 mg/l (Crustacea)

Sulfonic acids, C14-16-alkane hydroxy and C14-16-alkene, sodium salts

LC50/96 h 4.2 mg/l (Danio rerio) (OECD 203)

EC50/72 h 5.2 mg/l (Skeletonema costatum) (OECD 201)

4.53 mg/l (Daphnia magna) (OECD 202)

61791-14-8 Coco alkylamine ethoxylate

NOEC 72 h >0.1-1 mg/l (Algae, Growth inhibition test) (Read-across)

LC50/96 h >1-10 mg/l (Oncorhynchus mykiss) (OECD 203)

EC50/48 h >1-10 mg/l (Daphnia magna)

15763-76-5 Sodium p-cumenesulphonate

LC50/96 h >100 mg/l (Oncorhynchus mykiss)

EC50/48 h >100 mg/l (Daphnia magna)

EC50/72 h >100 mg/l (Desmodesmus subspicatus)

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164524-02-1 Potassium p-cumenesulfonate

LC50/96 h	>100 mg/l (Cyprinus carpio)
EC50/48 h	>100 mg/l (Daphnia magna)
EC50/3h	>1,000 mg/l (bel) (OECD 209)
EC50/72 h	>100 mg/l (Desmodemus subspicatus)

12.2 Persistence and degradability**Sulfonic acids, C14-16-alkane hydroxy and C14-16-alkene, sodium salts**

OECD 301 B | 80 % /28 d ()

61791-14-8 Coco alkylamine ethoxylate

OECD 301 B | >60 % ()

· **12.3 Bioaccumulative potential** No further relevant information available.· **12.4 Mobility in soil** No further relevant information available.**12.5 Results of PBT and vPvB assessment**· **PBT:** Not applicable.· **vPvB:** Not applicable.**12.6 Endocrine disrupting properties**

The product does not contain substances with endocrine disrupting properties.

12.7 Other adverse effects**Additional ecological information:****General notes:**

Rinse off of bigger amounts into drains or the aquatic environment may lead to increased pH-values. A high pH-value harms aquatic organisms. In the dilution of the use-level the pH-value is considerably reduced, so that after the use of the product the aqueous waste, emptied into drains, is only low water-dangerous.

Must not reach sewage water or drainage ditch undiluted or unneutralised.

Water hazard class 1 (German Regulation) (Self-assessment): slightly hazardous for water

Do not allow undiluted product or large quantities of it to reach ground water, water course or sewage system.

SECTION 13: Disposal considerations**13.1 Waste treatment methods****Recommendation**

Dispose of contents/container in accordance with local/regional/national/international regulations.

Uncleaned packaging:

· **Recommendation:** Disposal must be made according to official regulations.

· **Recommended cleansing agents:** Water, if necessary together with cleansing agents.

SECTION 14: Transport information**14.1 UN number or ID number**· **ADR, IMDG, IATA**

UN1824

14.2 UN proper shipping name· **ADR, IMDG, IATA**

SODIUM HYDROXIDE SOLUTION

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· 14.3 Transport hazard class(es)

· ADR



- Class 8 (C5) Corrosive substances.
- Label 8

· IMDG, IATA



- Class 8 Corrosive substances.
- Label 8
- 14.4 Packing group II
- ADR, IMDG, IATA II
- 14.5 Environmental hazards: Not applicable.
- 14.6 Special precautions for user Warning: Corrosive substances.
- Hazard identification number (Kemler code): 80
- EMS Number: F-A,S-B
- Segregation groups (SGG18) Alkalis
- Stowage Category B
- Stowage Code SW2 Clear of living quarters.
- Segregation Code SG35 Stow "separated from" SGG1-acids
- 14.7 Maritime transport in bulk according to IMO instruments Not applicable.
- Transport/Additional information:

· ADR

- Limited quantities (LQ) 1L
- Excepted quantities (EQ) Code: E2
Maximum net quantity per inner packaging: 30 ml
Maximum net quantity per outer packaging: 500 ml
- Transport category 2
- Tunnel restriction code E

· IMDG

- Limited quantities (LQ) 1L
- Excepted quantities (EQ) Code: E2
Maximum net quantity per inner packaging: 30 ml
Maximum net quantity per outer packaging: 500 ml
- UN "Model Regulation": UN 1824 SODIUM HYDROXIDE SOLUTION, 8, II

* **SECTION 15: Regulatory information**

- 15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture
- Directive 2012/18/EU
- Named dangerous substances - ANNEX I None of the ingredients is listed.
- REGULATION (EC) No 1907/2006 ANNEX XVII Conditions of restriction: 3

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· **DIRECTIVE 2011/65/EU on the restriction of the use of certain hazardous substances in electrical and electronic equipment – Annex II**

None of the ingredients is listed.

· **REGULATION (EU) 2019/1148**

· **Annex I - RESTRICTED EXPLOSIVES PRECURSORS (Upper limit value for the purpose of licensing under Article 5(3))**

None of the ingredients is listed.

· **Annex II - REPORTABLE EXPLOSIVES PRECURSORS**

None of the ingredients is listed.

· **Regulation (EC) No 273/2004 on drug precursors**

7647-01-0 | hydrogen chloride

3

· **Regulation (EC) No 111/2005 laying down rules for the monitoring of trade between the Community and third countries in drug precursors**

7647-01-0 | hydrogen chloride

3

· **15.2 Chemical safety assessment:** A Chemical Safety Assessment has not been carried out.

SECTION 16: Other information

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

· **Relevant phrases**

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.

H319 Causes serious eye irritation.

H412 Harmful to aquatic life with long lasting effects.

· **Department issuing SDS:** Department R&D

· **Contact:** Department R&D

· **Date of previous version:** 02.03.2021

· **Version number of previous version:** 2

· **Abbreviations and acronyms:**

ADR: Accord relatif au transport international des marchandises dangereuses par route (European Agreement Concerning the International Carriage of Dangerous Goods by Road)

IMDG: International Maritime Code for Dangerous Goods

IATA: International Air Transport Association

GHS: Globally Harmonised System of Classification and Labelling of Chemicals

EINECS: European Inventory of Existing Commercial Chemical Substances

ELINCS: European List of Notified Chemical Substances

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

DNEL: Derived No-Effect Level (REACH)

PNEC: Predicted No-Effect Concentration (REACH)

LC50: Lethal concentration, 50 percent

LD50: Lethal dose, 50 percent

PBT: Persistent, Bioaccumulative and Toxic

vPvB: very Persistent and very Bioaccumulative

Met. Corr. 1: Corrosive to metals – Category 1

Acute Tox. 4: Acute toxicity – Category 4

Skin Corr. 1A: Skin corrosion/irritation – Category 1A

Skin Irrit. 2: Skin corrosion/irritation – Category 2

Eye Dam. 1: Serious eye damage/eye irritation – Category 1

Eye Irrit. 2: Serious eye damage/eye irritation – Category 2

Aquatic Chronic 3: Hazardous to the aquatic environment - long-term aquatic hazard – Category 3

· *** Data compared to the previous version altered.**