



SYSTEM TENSIOPPLUS 20 L F/P/E/NL/D

WM 0713269

Order number: 0713269

Version 4.7

Revision Date 01.02.2023

Print Date 05.02.2023

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

1.1 Product identifier

Trade name : SYSTEM TENSIOPPLUS 20 L F/P/E/NL/D
UFI :

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

Use of the Substance/Mixture : Cleaning agent
Restricted to professional users.

1.3 Details of the supplier of the safety data sheet

Company : Tana Chemie GmbH
Rheinallee 96
55120 Mainz
Telephone : +49613196403
Telefax : +4961319642414
E-mail address : Produktsicherheit@werner-mertz.com
Responsible/issuing person
Contact person : Product development / product safety

1.4 Emergency telephone number

112
Centru za kontrolu otrovanja u Zagrebu na tel. (01) 2348 342
+49(0)6131-19240

SECTION 2: Hazards identification

2.1 Classification of the substance or mixture

Classification (REGULATION (EC) No 1272/2008)

Serious eye damage, Category 1 H318: Causes serious eye damage.

Short-term (acute) aquatic hazard, Category 1 H400: Very toxic to aquatic life.

Long-term (chronic) aquatic hazard, Category 3 H412: Harmful to aquatic life with long lasting effects.

2.2 Label elements

Labelling (REGULATION (EC) No 1272/2008)

Hazard pictograms :



Signal word : Danger



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Hazard statements	:	H318 H410	Causes serious eye damage. Very toxic to aquatic life with long lasting effects.
Precautionary statements	:	P102 Prevention: P280 Response: P305 + P351 + P338 + P310 P391 Disposal: P501	Keep out of reach of children. Wear eye protection/ face protection. 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. Collect spillage. Dispose of container into the collection of recyclables only when it is completely empty.

Hazardous components which must be listed on the label:

Alcohols, C13-15-branched and linear, ethoxylated (7 EO)

Safety data sheet available on request.

2.3 Other hazards

No information available.

SECTION 3: Composition/information on ingredients

3.2 Mixtures

Chemical nature : Aqueous surfactant solution.

Components

Chemical name	CAS-No. EC-No. Index-No. Registration number	Classification	Concentration (% w/w)
Alcohols, C13-15-branched and linear, ethoxylated (7 EO)	157627-86-6 500-337-8	Acute Tox. 4; H302 Eye Dam. 1; H318 Aquatic Chronic 3; H412 specific concentration limit Eye Dam. 1; H318 > 10 %	>= 50 - < 60
Alcohols, C13-15, branched and linear, ethoxylated	157627-86-6 500-337-8	Eye Irrit. 2; H319 Aquatic Chronic 3; H412 Aquatic Acute 1; H400	>= 15 - < 20
Substances with a workplace exposure limit :			
(2-methoxymethylethoxy)propanol	34590-94-8 252-104-2 01-2119450011-60		>= 15 - < 20



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SECTION 4: First aid measures

4.1 Description of first aid measures

- General advice : Move out of dangerous area.
Consult a physician.
Show this safety data sheet to the doctor in attendance.
- If inhaled : Move to fresh air.
If symptoms persist, call a physician.
- In case of skin contact : Take off contaminated clothing and shoes immediately.
Wash off with soap and plenty of water.
If symptoms persist, call a physician.
- In case of eye contact : Small amounts splashed into eyes can cause irreversible tissue damage and blindness.
Protect unharmed eye.
Continue rinsing eyes during transport to hospital.
- If swallowed : Clean mouth with water and drink afterwards plenty of water.
Do not give milk or alcoholic beverages.
Never give anything by mouth to an unconscious person.
Obtain medical attention.

4.2 Most important symptoms and effects, both acute and delayed

- Symptoms : corrosive effects
Irritation
- Risks : No information available.

4.3 Indication of any immediate medical attention and special treatment needed

- Treatment : For specialist advice physicians should contact the Poisons Information Service.

SECTION 5: Firefighting measures

5.1 Extinguishing media

- Suitable extinguishing media : Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

5.2 Special hazards arising from the substance or mixture

- Specific hazards during firefighting : Do not allow run-off from fire fighting to enter drains or water courses.
- Hazardous combustion products : No hazardous combustion products are known

5.3 Advice for firefighters

- Special protective equipment for firefighters : In the event of fire, wear self-contained breathing apparatus.
- Further information : Collect contaminated fire extinguishing water separately. This must not be discharged into drains.
Fire residues and contaminated fire extinguishing water must be



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disposed of in accordance with local regulations.

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

Personal precautions : Use personal protective equipment.
Ensure adequate ventilation.

6.2 Environmental precautions

Environmental precautions : Try to prevent the material from entering drains or water courses.
Prevent further leakage or spillage if safe to do so.
If the product contaminates rivers and lakes or drains inform
respective authorities.

6.3 Methods and material for containment and cleaning up

Methods for cleaning up : Soak up with inert absorbent material (e.g. sand, silica gel, acid
binder, universal binder, sawdust).
Keep in suitable, closed containers for disposal.

6.4 Reference to other sections

For personal protection see section 8., Treat recovered material as described in the section "Disposal
considerations"., Refer to section 15 for specific national regulation.

SECTION 7: Handling and storage

7.1 Precautions for safe handling

Advice on safe handling : Avoid exceeding the given occupational exposure limits (see section
8).
Avoid contact with skin and eyes.
For personal protection see section 8.
Smoking, eating and drinking should be prohibited in the application
area.
To avoid spills during handling keep bottle on a metal tray.
Dispose of rinse water in accordance with local and national
regulations.

Advice on protection against fire and explosion : Normal measures for preventive fire protection.

Hygiene measures : Handle in accordance with good industrial hygiene and safety
practice. When using do not eat or drink. When using do not smoke.
Wash hands before breaks and at the end of workday.

7.2 Conditions for safe storage, including any incompatibilities

Requirements for storage areas and containers : Store in original container. Keep container tightly closed in a dry and
well-ventilated place. Containers which are opened must be carefully
resealed and kept upright to prevent leakage. Store at room
temperature in the original container.

Further information on storage stability : No decomposition if stored and applied as directed.



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7.3 Specific end use(s)

Specific use(s) : Cleaning agent

SECTION 8: Exposure controls/personal protection

8.1 Control parameters

Occupational Exposure Limits

Components	CAS-No.	Value type (Form of exposure)	Control parameters	Basis
(2-methoxymethylethoxy)propanol	PPG-2 METHYL ETHER	TWA	50 ppm 308 mg/m ³	2000/39/EC
	Further information: Identifies the possibility of significant uptake through the skin, Indicative			
(2-methoxymethylethoxy)propanol	PPG-2 METHYL ETHER	TWA	50 ppm 308 mg/m ³	
	Further information: Dermal absorption possible			
(2-methoxymethylethoxy)propanol	PPG-2 METHYL ETHER		100 ppm	
	Further information: Dermal absorption possible			
(2-methoxymethylethoxy)propanol	PPG-2 METHYL ETHER	STEL	150 ppm	
	Further information: Dermal absorption possible			
(2-methoxymethylethoxy)propanol	PPG-2 METHYL ETHER		100 ppm	
	Further information: Recommended exposure limit			
(2-methoxymethylethoxy)propanol	PPG-2 METHYL ETHER	STEL	150 ppm 900 mg/m ³	
(2-methoxymethylethoxy)propanol	PPG-2 METHYL ETHER	STEL	50 ppm 310 mg/m ³	

8.2 Exposure controls

Personal protective equipment

Eye protection : If splashes are likely to occur, wear:
Tightly fitting safety goggles

Hand protection

Material : For prolonged or repeated contact use protective gloves.
It is suggested the usage of chemical resistant gloves made of butyl



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rubber or nitrile rubber category III according to EN 374.
As alternative, a different type of gloves might be used if,
accordingly to the recommendations of the producer, guarantee the
same level of protection.

Remarks : Take note of the information given by the producer concerning permeability and break through times, and of special workplace conditions (mechanical strain, duration of contact).

Skin and body protection : not required under normal use

Respiratory protection : Not required; except in case of aerosol formation.
Recommended Filter type:
ABEK-P3-filter

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

Appearance : liquid, viscous

Colour : blue

Odour : characteristic

Odour Threshold : No data available

pH : ca. 7, 100 %
at 20 °C

Melting point/range : No data available

Boiling point/boiling range : No information available.

Flash point : does not flash

Evaporation rate : No data available

Flammability (solid, gas) : No data available

Flammability (liquids) : No data available

Burning rate : No data available

Lower explosion limit : No data available

Upper explosion limit : No data available

Vapour pressure : No data available

Relative vapour density : No data available

Relative density : No data available

Density : ca. 0,98 g/cm³

Water solubility : soluble

Solubility in other solvents : No data available

Partition coefficient: n-octanol/water : No data available



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Ignition temperature	:	No data available
Thermal decomposition	:	No data available
Viscosity, dynamic	:	ca. 95 mPa.s
Viscosity, kinematic	:	No data available
Explosive properties	:	No data available
Oxidizing properties	:	No data available

9.2 Other information

none

SECTION 10: Stability and reactivity

10.1 Reactivity

Stable under recommended storage conditions.
No dangerous reaction known under conditions of normal use.

10.2 Chemical stability

No decomposition if stored and applied as directed.

10.3 Possibility of hazardous reactions

Hazardous reactions : Stable under recommended storage conditions.
No decomposition if used as directed.

10.4 Conditions to avoid

Conditions to avoid : No data available

10.5 Incompatible materials

Materials to avoid : No data available

10.6 Hazardous decomposition products

No hazardous decomposition products are known.

SECTION 11: Toxicological information

11.1 Information on hazard classes as defined in Regulation (EC) No 1272/2008

Our company is strongly against animal testing.
Our company does not place any orders for animal testing for the finished product or the ingredients.
However, as a result of EU legislation (REACH Regulation), the manufacturers of ingredients or EU importers are obliged to test ingredients with regard to their effects on human health and the environment before they are brought onto the market. Some of the tests made necessary by this took place decades ago.

Acute toxicity

Product:

Acute oral toxicity : Acute toxicity estimate: > 2.000 mg/kg
Method: Calculation method



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Components:

Alcohols, C13-15-branched and linear, ethoxylated (7 EO)

157627-86-6:

Acute oral toxicity : LD50 Oral (Rat): > 2.000 mg/kg
LD50 Oral (Rat): 300 - 5.000 mg/kg

Alcohols, C13-15, branched and linear, ethoxylated

157627-86-6:

Acute oral toxicity : LD50 Oral (Rat): > 2.000 mg/kg

(2-methoxymethylethoxy)propanol

PPG-2 METHYL ETHER:

Acute oral toxicity : LD50 (Dog): 7.500 mg/kg
LD50 (Rat): 5.130 mg/kg
LD50 (Rat): 5.135 mg/kg

Acute inhalation toxicity : LC50 (Rat): 55 - 60 mg/l
Exposure time: 4 h
LC50 (Rat): 3,35 mg/l
Exposure time: 7 h

Acute dermal toxicity : LD50 Dermal (Rabbit): 19.000 mg/kg
LD50 Dermal (Rat): 9.500 mg/kg
LD50 (Rabbit): 9.510 mg/kg
LD50 (Rabbit): 14.000 mg/kg

Skin corrosion/irritation

Product:

Remarks : May cause skin irritation in susceptible persons.

Components:

(2-methoxymethylethoxy)propanol

PPG-2 METHYL ETHER:

Remarks : No skin irritation

Serious eye damage/eye irritation

Product:

Remarks : May cause irreversible eye damage.

Components:

(2-methoxymethylethoxy)propanol

PPG-2 METHYL ETHER:



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Result : No eye irritation

Respiratory or skin sensitisation

Product:

Remarks : No data available

Components:

(2-methoxymethylethoxy)propanol

PPG-2 METHYL ETHER:

Result : Does not cause skin sensitisation.

Germ cell mutagenicity : Not Rated

Carcinogenicity : Not Rated

Reproductive toxicity : Not Rated

STOT - single exposure : The substance or mixture is not classified as specific target organ toxicant, single exposure.

STOT - repeated exposure : The substance or mixture is not classified as specific target organ toxicant, repeated exposure.

Repeated dose toxicity

Components:

(2-methoxymethylethoxy)propanol

PPG-2 METHYL ETHER:

Species : Rat
NOAEL : 1.000 mg/kg
Application Route : Oral
Exposure time : 28 d

Aspiration toxicity : Not Rated

11.2 Information on other hazards

Further information

Product:

Remarks : No data available

SECTION 12: Ecological information

12.1 Toxicity

Components:

157627-86-6:



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- Toxicity to fish : LC50 (Brachydanio rerio): 1 - 10 mg/l
Exposure time: 96 h
- Toxicity to daphnia and other aquatic invertebrates : EC50 (Daphnia magna (Water flea)): 1 - 10 mg/l
Exposure time: 48 h
- Toxicity to algae/aquatic plants : EC50 (Scenedesmus subspicatus): 1 - 10 mg/l
Exposure time: 72 h
- Toxicity to microorganisms : EC10 (activated sludge): > 1.000 mg/l
- Toxicity to fish (Chronic toxicity) : NOEC: 0,1 - 1 mg/l
Species: Fish

157627-86-6:

- Toxicity to fish : LC50 (Brachydanio rerio): 1 - 10 mg/l
Exposure time: 96 h
- Toxicity to daphnia and other aquatic invertebrates : EC50 (Daphnia magna (Water flea)): 0,1 - 1 mg/l
Exposure time: 48 h
- Toxicity to algae/aquatic plants : EC50 (Scenedesmus subspicatus): 0,1 - 1 mg/l
Exposure time: 72 h
Test Type: Growth inhibition
- Toxicity to microorganisms : EC10 (Pseudomonas putida): > 10.000 mg/l
Exposure time: 16 h
- Toxicity to daphnia and other aquatic invertebrates (Chronic toxicity) : NOEC: 0,1 - 1 mg/l

PPG-2 METHYL ETHER:

- Toxicity to fish : (Pimephales promelas (fathead minnow)): > 10.000 mg/l
Exposure time: 96 h
Test Type: static test
- (Poecilia reticulata (guppy)): > 1.000 mg/l
Exposure time: 96 h
Test Type: static test
- (Fish): > 1.000 mg/l
Exposure time: 96 h
Test Type: static test
- Toxicity to daphnia and other aquatic invertebrates : EC50 (Daphnia magna (Water flea)): 1.919 mg/l
Exposure time: 48 h
Test Type: static test
- EC50 (Crangon crangon (shrimp)): > 1.000 mg/l
Exposure time: 96 h
Test Type: semi-static test



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- NOEC (*Daphnia magna* (Water flea)): > 0,5 mg/l
Exposure time: 22 d
- Toxicity to algae/aquatic plants : (*Pseudokirchneriella subcapitata* (microalgae)): > 969 mg/l
Exposure time: 96 h
Method: OECD Test Guideline 201
- (*Selenastrum capricornutum*): 1.000 mg/l
Exposure time: 72 h
- EC50 (*Skeletonema costatum* (marine diatom)): 6.999 mg/l
Exposure time: 72 h
- EC50 (*Selenastrum capricornutum* (green algae)): 969 mg/l
Exposure time: 96 h
- NOEC (*Pseudokirchneriella subcapitata* (green algae)): 969 mg/l
Exposure time: 72 h
- Toxicity to microorganisms : EC10 (*Pseudomonas putida*): 4.168 mg/l
Exposure time: 18 h
Test Type: Growth inhibition
- EC50 (No data available): > 100 mg/l
- EC20 (activated sludge): > 1.000 mg/l
Method: OECD Test Guideline 209
- Toxicity to daphnia and other aquatic invertebrates (Chronic toxicity) : NOEC: 12 mg/l
Species: *Daphnia magna* (Water flea)
- NOEC: > 0,5 mg/l
Exposure time: 22 d
Species: *Daphnia magna* (Water flea)
- Lowest Observed Effect Concentration: > 0,5 mg/l
Exposure time: 22 d
Species: *Daphnia magna* (Water flea)

12.2 Persistence and degradability

Product:

- Biodegradability : Remarks: The surfactant(s) contained in this preparation complies (comply) with the biodegradability criteria as laid down in Regulation (EC) No. 648/2004 on detergents.

Components:

157627-86-6:

- Biodegradability : Remarks: The surfactant(s) contained in this mixture



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complies(comply) with the biodegradability criteria as laid down in Regulation (EC) No.648/2004 on detergents. Data to support this assertion are held at the disposal of the competent authorities of the Member States and will be made available to them, at their direct request or at the request of a detergent manufacturer.

Biochemical Oxygen Demand (BOD) : 390 mg/g

Chemical Oxygen Demand (COD) : 2.060 mg/g

157627-86-6:

Biodegradability : Biodegradation: > 90 %
Method: see user defined free text
Remarks: The surfactant(s) contained in this mixture complies(comply) with the biodegradability criteria as laid down in Regulation (EC) No.648/2004 on detergents. Data to support this assertion are held at the disposal of the competent authorities of the Member States and will be made available to them, at their direct request or at the request of a detergent manufacturer.

Biochemical Oxygen Demand (BOD) : 1.290 mg/g

Chemical Oxygen Demand (COD) : 2.660 mg/g

PPG-2 METHYL ETHER:

Biodegradability : Result: Readily biodegradable.
Biodegradation: > 70 %
Exposure time: 28 d
Method: OECD 301 E

Biodegradation: 75 %
Exposure time: 28 d
Method: OECD 301 F

Biodegradation: 93 %
Exposure time: 13 d
Method: OECD 302 B

Biodegradation: 91 %
Exposure time: 28 d
Method: EN ISO 14593: CO2-Headspace-Test

Biodegradation: 75 %
Exposure time: 10 d
Method: OECD 301 F



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12.3 Bioaccumulative potential

Components:

PPG-2 METHYL ETHER:

Bioaccumulation : Remarks: No bioaccumulation is to be expected (log Pow <= 4).

Partition coefficient: n-octanol/water : log Pow: 1,01

12.4 Mobility in soil

No data available

12.5 Results of PBT and vPvB assessment

Components:

PPG-2 METHYL ETHER:

Assessment : This substance is not considered to be very persistent and very bioaccumulating (vPvB).. This substance is not considered to be persistent, bioaccumulating and toxic (PBT).

12.6 Endocrine disrupting properties

No data available

12.7 Other adverse effects

Product:

Additional ecological information : An environmental hazard cannot be excluded in the event of unprofessional handling or disposal. Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment. Very toxic to aquatic organisms.

SECTION 13: Disposal considerations

13.1 Waste treatment methods

Product : The product should not be allowed to enter drains, water courses or the soil.
Do not contaminate ponds, waterways or ditches with chemical or used container.
In accordance with local and national regulations.

Contaminated packaging : Empty remaining contents.
Dispose of as unused product.
Do not re-use empty containers.

SECTION 14: Transport information

14.1 UN number

ADR : 3082



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IMDG : 3082
IATA : 3082

14.2 Proper shipping name

ADR : ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S.
(Alcohols, C12-15, ethoxylated (7 EO))

IMDG : ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S.
(Alcohols, C12-15, ethoxylated)

IATA : Environmentally hazardous substance, liquid, n.o.s.

14.3 Transport hazard class

ADR : 9
IMDG : 9
IATA : 9

14.4 Packing group

ADR
Classification Code : M6
Packaging group : III
Hazard Identification Number : 90
Labels : 9
Tunnel restriction code : (-)
IMDG
Packaging group : III
Labels : 9
EmS Number : F-A, S-F
IATA
(Cargo) : Environmentally hazardous substance, liquid, n.o.s.
Packaging group : III
Labels : 9

14.5 Environmental hazards

ADR
Environmentally hazardous : yes

IMDG
Marine pollutant : yes

IATA
Environmentally hazardous : yes

14.6 Special precautions for user

The transport classification(s) provided herein are for informational purposes only, and solely based upon the properties of the unpackaged material as it is described within this Safety Data Sheet. Transportation classifications may vary by mode of transportation, package sizes, and variations in regional or country regulations.

For personal protection see section 8.

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

Not applicable for product as supplied.

SECTION 15: Regulatory information

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

Regulation (EC) No 649/2012 of the European Parliament and the Council concerning the export and import of dangerous : Not applicable



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chemicals

REACH - Restrictions on the manufacture, placing on the market and use of certain dangerous substances, preparations and articles (Annex XVII) : See Annex XVII to Regulation (EC) no 1907/2006 for Conditions of restriction

Seveso III: Directive 2012/18/EU of the European Parliament and of the Council on the control of major-accident hazards involving dangerous substances.

		Quantity 1	Quantity 2
E1	ENVIRONMENTAL HAZARDS	100 000067	200 000067

TA Luft List (Germany) : Total dust: Not applicable
: Inorganic substances in powdered form: Not applicable
: Inorganic substances in vapour or gaseous form: Not applicable
: Organic Substances: Not applicable
: Carcinogenic substances: Not applicable
: Mutagenic: Not applicable
: Toxic to reproduction: : < 0,01 %

Volatile organic compounds (VOC) content : Directive 2010/75/EU of 24 November 2010 on industrial emissions (integrated pollution prevention and control)
Update: Percent volatile: 15 %
172,26 g/l
VOC content excluding water

Volatile organic compounds (VOC) content : Directive 2010/75/EU of 24 November 2010 on industrial emissions (integrated pollution prevention and control)
Update: Percent volatile: 15 %
147 g/l
VOC content valid only for coating materials used on wood surfaces

according to Detergents Regulation EC 648/2004 : >=30% Non-ionic surfactants, optical brighteners

GISBAU (D) : no assignment possible

15.2 Chemical safety assessment

There is no data available for this product.

SECTION 16: Other information

Full text of H-Statements

H302 : Harmful if swallowed.
H318 : Causes serious eye damage.
H319 : Causes serious eye irritation.
H400 : Very toxic to aquatic life.
H412 : Harmful to aquatic life with long lasting effects.

Full text of other abbreviations

Acute Tox. : Acute toxicity
Aquatic Acute : Short-term (acute) aquatic hazard
Aquatic Chronic : Long-term (chronic) aquatic hazard
Eye Dam. : Serious eye damage
Eye Irrit. : Eye irritation

SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006



Tana-Chemie GmbH
Werner & Mertz Group

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2000/39/EC : Europe. Commission Directive 2000/39/EC establishing a first list of indicative occupational exposure limit values
2000/39/EC / TWA : Limit Value - eight hours

ADN - European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways; ADR - European Agreement concerning the International Carriage of Dangerous Goods by Road; AIIC - Australian Inventory of Industrial Chemicals; ASTM - American Society for the Testing of Materials; bw - Body weight; CLP - Classification Labelling Packaging Regulation; Regulation (EC) No 1272/2008; CMR - Carcinogen, Mutagen or Reproductive Toxicant; DIN - Standard of the German Institute for Standardisation; DSL - Domestic Substances List (Canada); ECHA - European Chemicals Agency; EC-Number - European Community number; ECx - Concentration associated with x% response; ELx - Loading rate associated with x% response; EmS - Emergency Schedule; ENCS - Existing and New Chemical Substances (Japan); ErCx - Concentration associated with x% growth rate response; GHS - Globally Harmonized System; GLP - Good Laboratory Practice; IARC - International Agency for Research on Cancer; IATA - International Air Transport Association; IBC - International Code for the Construction and Equipment of Ships carrying Dangerous Chemicals in Bulk; IC50 - Half maximal inhibitory concentration; ICAO - International Civil Aviation Organization; IECSC - Inventory of Existing Chemical Substances in China; IMDG - International Maritime Dangerous Goods; IMO - International Maritime Organization; ISHL - Industrial Safety and Health Law (Japan); ISO - International Organisation for Standardization; KECI - Korea Existing Chemicals Inventory; LC50 - Lethal Concentration to 50 % of a test population; LD50 - Lethal Dose to 50% of a test population (Median Lethal Dose); MARPOL - International Convention for the Prevention of Pollution from Ships; n.o.s. - Not Otherwise Specified; NO(A)EC - No Observed (Adverse) Effect Concentration; NO(A)EL - No Observed (Adverse) Effect Level; NOELR - No Observable Effect Loading Rate; NZIoC - New Zealand Inventory of Chemicals; OECD - Organization for Economic Co-operation and Development; OPPTS - Office of Chemical Safety and Pollution Prevention; PBT - Persistent, Bioaccumulative and Toxic substance; PICCS - Philippines Inventory of Chemicals and Chemical Substances; (Q)SAR - (Quantitative) Structure Activity Relationship; REACH - Regulation (EC) No 1907/2006 of the European Parliament and of the Council concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals; RID - Regulations concerning the International Carriage of Dangerous Goods by Rail; SADT - Self-Accelerating Decomposition Temperature; SDS - Safety Data Sheet; SVHC - Substance of Very High Concern; TCSI - Taiwan Chemical Substance Inventory; TECI - Thailand Existing Chemicals Inventory; TRGS - Technical Rule for Hazardous Substances; TSCA - Toxic Substances Control Act (United States); UN - United Nations; vPvB - Very Persistent and Very Bioaccumulative

Further information

Classification of the mixture:

Eye Dam. 1	H318
Aquatic Acute 1	H400
Aquatic Chronic 3	H412

Classification procedure:

Calculation method
Calculation method
Calculation method

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.

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