

PRANA SPRAY

WM 0713499

Order number: 0713499

Version 3.9

Revision Date 18.11.2023

Print Date 11.12.2023

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

1.1 Product identifier

Trade name : PRANA SPRAY
UFI : 1HH8-R08K-H00P-35SK

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)

Skin irritation, Category 2	H315: Causes skin irritation.
Eye irritation, Category 2	H319: Causes serious eye irritation.
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 : Warning

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Hazard statements	: H315 H319 H412	Causes skin irritation. Causes serious eye irritation. Harmful to aquatic life with long lasting effects.
Supplemental Hazard Statements	: EUH206	Warning! Do not use together with other products. May release dangerous gases (chlorine).
Precautionary statements	: P102 Prevention: P260 P280 Response: P305 + P351 + P338 P337 + P313 P333 + P313 Disposal: P501	Keep out of reach of children. Do not breathe spray. 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. If eye irritation persists: Get medical advice/ attention. If skin irritation or rash occurs: Get medical advice/ attention. Dispose of container into the collection of recyclables only when it is completely empty.

Safety data sheet available on request.

2.3 Other hazards

None known.

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)
sodium hypochlorite	7681-52-9 231-668-3 017-011-00-1	Met. Corr. 1; H290 Skin Corr. 1B; H314 STOT SE 3; H335 Aquatic Acute 1; H400 Aquatic Chronic 1; H410 EUH031 M-Factor (Acute aquatic toxicity): 10 M-Factor (Chronic aquatic toxicity): 1 specific concentration limit	$\geq 1 - < 2$

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		EUH031 ≥ 5 %	
sodium xylenesulphonate	1300-72-7 215-090-9 01-2119513350-56	Eye Irrit. 2; H319	≥ 1 - < 2
Amines, C12-14-alkyldimethyl, N-oxides	308062-28-4 931-292-6 01-2119490061-47	Acute Tox. 4; H302 Skin Irrit. 2; H315 Eye Dam. 1; H318 Aquatic Acute 1; H400 Aquatic Chronic 2; H411 M-Factor (Acute aquatic toxicity): 1 Acute toxicity estimate Acute oral toxicity: 1.064 mg/kg	≥ 0,025 - < 0,25

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 : Protect unharmed eye.
If easy to do, remove contact lens, if worn.
Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes.
If eye irritation persists, consult a specialist.
- 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 : 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.

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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 : Chlorine compounds

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 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 : Do not flush into surface water or sanitary sewer system.
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 contact with skin and eyes.
For personal protection see section 8.
Smoking, eating and drinking should be prohibited in the application area.
Dispose of rinse water in accordance with local and national

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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. Store at room temperature in the original container.

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

7.3 Specific end use(s)

Specific use(s) : Cleaning agent

SECTION 8: Exposure controls/personal protection

8.1 Control parameters

Contains no substances with occupational exposure limit values.

8.2 Exposure controls

Personal protective equipment

Eye/face 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 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).

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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

Colour : light yellow

Odour : slight chlorine

Odour Threshold : No data available

pH : ca. 11,4, 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. 1,04 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	: No data available
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

Acute toxicity : Not Rated

Components:

sodium hypochlorite

SODIUM HYPOCHLORITE:

Acute oral toxicity : LD50 (Mouse): 5.800 mg/kg



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Acute dermal toxicity : LD50 (Rabbit): > 10.000 mg/kg

sodium xylenesulphonate

1300-72-7:

Acute oral toxicity : LD50 (Rat, male and female): > 7.000 mg/kg

Acute dermal toxicity : LD50 (Rabbit, male and female): > 2.000 mg/kg

Amines, C12-14-alkyldimethyl, N-oxides

308062-28-4:

Acute oral toxicity : LD50 Oral (Rat): > 2.000 mg/kg
Method: OECD Test Guideline 401

LD50 Oral (Rat): 1.064 mg/kg

Acute toxicity estimate: 1.064 mg/kg

Acute dermal toxicity : LD50 Dermal (Rat): > 2.000 mg/kg
Method: OECD Test Guideline 402

Skin corrosion/irritation

Product:

Remarks : May cause skin irritation and/or dermatitis.

Components:

sodium xylenesulphonate

1300-72-7:

Species : Rabbit
Method : OECD Test Guideline 404
Remarks : Moderate skin irritation

Amines, C12-14-alkyldimethyl, N-oxides

308062-28-4:

Species : Rabbit
Method : OECD Test Guideline 404
Result : irritating

Serious eye damage/eye irritation

Product:

Remarks : Vapours may cause irritation to the eyes, respiratory system and the skin.
Causes serious eye irritation.

Components:

sodium xylenesulphonate

1300-72-7:

Species : Rabbit
Method : OECD Test Guideline 405

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Remarks : Moderate eye irritation

Amines, C12-14-alkyldimethyl, N-oxides

308062-28-4:

Species : Rabbit
Method : OECD Test Guideline 405
Result : Risk of serious damage to eyes.

Respiratory or skin sensitisation

Product:

Remarks : No data available

Components:

sodium xylenesulphonate

1300-72-7:

Species : Rabbit
Method : OECD Test Guideline 406
Result : Did not cause sensitisation on laboratory animals.

Amines, C12-14-alkyldimethyl, N-oxides

308062-28-4:

Test Type : Buehler Test
Species : Guinea pig
Method : OECD Test Guideline 406
Result : Does not cause skin sensitisation.

Germ cell mutagenicity : Not Rated

Carcinogenicity

Carcinogenicity : Not Rated

Components:

sodium xylenesulphonate

1300-72-7:

Species : Rat
Application Route : Dermal
Method : see user defined free text

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.



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Repeated dose toxicity

Components:

sodium xylenesulphonate

1300-72-7:

NOAEL : > 440 mg/kg
Exposure time : 90 d
Method : see user defined free text

NOAEL : 763 - 3.534 mg/kg
Exposure time : 90 d
Method : see user defined free text

Amines, C12-14-alkyldimethyl, N-oxides

308062-28-4:

Species : Rat, male and female
NOAEL : 88 mg/kg
Method : see user defined free text

Species : Rat, male and female
NOAEL : 88 mg/kg

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:

sodium hypochlorite

SODIUM HYPOCHLORITE:

Toxicity to fish : LC50 (Pimephales promelas (fathead minnow)): 1,34 mg/l
Exposure time: 96 h

LC50 (Fish): 0,06 mg/l
Exposure time: 96 h

Toxicity to daphnia and other aquatic invertebrates : EC50 (Daphnia magna (Water flea)): 0,07 - 0,7 mg/l
Exposure time: 24 h
Test Type: static test

EC50 (Daphnia magna (Water flea)): 0,141 mg/l
Exposure time: 48 h

M-Factor (Acute aquatic toxicity) : 10

Toxicity to microorganisms : EC50 (Photobacterium phosphoreum): 100 mg/l



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Exposure time: 15 min

Toxicity to fish (Chronic toxicity) : NOEC: 0,04 mg/l
Species: Menidia peninsulæ (tidewater silverside)

M-Factor (Chronic aquatic toxicity) : 1

sodium xylenesulphonate

1300-72-7:

Toxicity to fish : LC50 (Fish): > 1.000 mg/l
Exposure time: 96 h
Method: see user defined free text

Toxicity to daphnia and other aquatic invertebrates : EC50 (Daphnia (water flea)): > 1.000 mg/l
Exposure time: 48 h
Method: see user defined free text

Toxicity to algae/aquatic plants : ErC50 (Selenastrum capricornutum): 310 mg/l
Exposure time: 72 h
Method: Directive 67/548/EEC, Annex V, C.3.

EC50 (Selenastrum capricornutum): > 230 mg/l
Exposure time: 96 h
Method: see user defined free text

Toxicity to microorganisms : ErC50 (Bacteria): > 1.000 mg/l
Exposure time: 3 h
Method: OECD Test Guideline 209

Amines, C12-14-alkyldimethyl, N-oxides

308062-28-4:

Toxicity to fish : LC50 (Pimephales promelas (fathead minnow)): 2,67 mg/l
Exposure time: 96 h

LC50 (Fish): 3,46 mg/l
Exposure time: 96 h

NOEC (Fish): 0,42 mg/l
Exposure time: 302 d
Method: OPPTS 850.1500

Toxicity to daphnia and other aquatic invertebrates : (Daphnia magna (Water flea)): 10,4 mg/l
Exposure time: 48 h
Method: OECD Test Guideline 202

EC50 (Daphnia (water flea)): 3,1 mg/l
Exposure time: 48 h
Method: OECD Test Guideline 202

NOEC (Daphnia (water flea)): 0,7 mg/l
Exposure time: 21 d

Toxicity to algae/aquatic plants : EC50 (Scenedesmus capricornutum (fresh water algae)): 0,266 mg/l
Exposure time: 72 h
Method: OECD Test Guideline 201

NOEC (Scenedesmus capricornutum (fresh water algae)): 0,067 mg/l



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Exposure time: 72 h

EC50 (*Pseudokirchneriella subcapitata* (green algae)): 0,143 mg/l

Exposure time: 72 h

Method: OECD Test Guideline 201

M-Factor (Acute aquatic toxicity) : 1

Toxicity to microorganisms : EC10 (*Pseudomonas putida*): 24 mg/l
Exposure time: 18 h

Toxicity to fish (Chronic toxicity) : NOEC: 0,42 mg/l
Exposure time: 302 d
Species: Fish

Toxicity to daphnia and other
aquatic invertebrates (Chronic
toxicity) : NOEC: 0,7 mg/l
Exposure time: 21 d
Species: Daphnia (water flea)
Test Type: Reproduction Test
Method: OECD Test Guideline 211

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:

sodium xylenesulphonate

1300-72-7:

Biodegradability : Test Type: see user defined free text
Biodegradation: 99,8 %
Exposure time: 28 d
Method: OECD 301 B

Amines, C12-14-alkyldimethyl, N-oxides

308062-28-4:

Biodegradability : Biodegradation: 90 %
Exposure time: 28 d
Method: OECD 301 B

Chemical Oxygen Demand (COD) : 360 mg/g

Dissolved organic carbon (DOC) : 123 mg/g

12.3 Bioaccumulative potential

No data available

12.4 Mobility in soil

No data available

12.5 Results of PBT and vPvB assessment

Not relevant



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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.
Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

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 or ID number

ADR : 1791
IMDG : 1791
IATA : 1791

14.2 UN proper shipping name

ADR : HYPOCHLORITE SOLUTION
IMDG : HYPOCHLORITE SOLUTION
IATA : Hypochlorite solution

14.3 Transport hazard class(es)

ADR : 8
IMDG : 8
IATA : 8

14.4 Packing group

ADR
Classification Code : C9
Packaging group : III
Hazard Identification Number : 80
Labels : 8
Tunnel restriction code : (E)
IMDG
Packaging group : III
Labels : 8
EmS Number : F-A, S-B
IATA
(Cargo) : Hypochlorite solution

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Packaging group : III
Labels : 8

14.5 Environmental hazards

ADR

Environmentally hazardous : no

IMDG

Marine pollutant : no

IATA

Environmentally hazardous : no

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 Maritime transport in bulk according to IMO instruments

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 chemicals : Not applicable

REACH - Restrictions on the manufacture, placing on the market and use of certain dangerous substances, mixtures 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. : Not applicable

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: : portionClass 1: < 0,01 %
: Carcinogenic substances: Not applicable
: Mutagenic: Not applicable
: Toxic to reproduction: Not applicable

Volatile organic compounds (VOC) content : Directive 2010/75/EU of 24 November 2010 on industrial emissions (integrated pollution prevention and control)
Update: Percent volatile: 1,76 %
1.953,05 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: 1,76 %



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18,35 g/l

VOC content valid only for coating materials used on wood surfaces

according to Detergents
Regulation EC 648/2004 : <5% Anionic surfactants, chlorine-based bleaching agents,
Perfumes, BENZYL BENZOATE

GISBAU (D) : GU 40

15.2 Chemical safety assessment

There is no data available for this product.

SECTION 16: Other information

Full text of H-Statements

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.
H335 : May cause respiratory irritation.
H400 : Very toxic to aquatic life.
H410 : Very toxic to aquatic life with long lasting effects.
H411 : Toxic to aquatic life with long lasting effects.
EUH031 : Contact with acids liberates toxic gas.

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
Met. Corr. : Corrosive to metals
Skin Corr. : Skin corrosion
Skin Irrit. : Skin irritation
STOT SE : Specific target organ toxicity - single exposure

ADN - European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways; ADR - 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



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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:

Skin Irrit. 2	H315
Eye Irrit. 2	H319
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.

REG_EU / EN

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