

Safety Data Sheet

MAPECURE CS

Safety Data Sheet dated: 06/16/2021 - version 7

Date of first edition: 08/11/2015



1. IDENTIFICATION

Product identifier

Mixture identification:

Trade name: MAPECURE CS

Trade code: 9016967

Recommended use of the chemical and restrictions on use

Recommended use: Sealant

Restrictions on use: Not available

Name, address, and telephone number of the chemical manufacturer, importer, or other responsible party

Company: MAPEI CORP. (USA and Puerto Rico)

1144 East Newport Center Drive - 33442 - Deerfield Beach - FL - USA

Responsible: RDProductSafety@mapei.com

Emergency 24 hour numbers:

Emergency Number (USA/Canada) CHEMTREC 1(800) 424-9300 / 1(703) 527-3887

Emergency Transport CANUTEC (Canada) 1-613-996-6666

2. HAZARD(S) IDENTIFICATION



Classification of the chemical

| | |
|-------------------|---|
| Flam. Liq. 3 | Flammable liquid and vapour. |
| Skin Irrit. 2 | Causes skin irritation. |
| Eye Irrit. 2A | Causes serious eye irritation. |
| Carc. 1B | May cause cancer if inhaled, in contact with skin and if swallowed. |
| STOT SE 3 | May cause respiratory irritation. |
| Aquatic Acute 3 | Harmful to aquatic life. |
| Aquatic Chronic 2 | Toxic to aquatic life with long lasting effects. |

Label elements

Hazard pictograms and Signal Word



Danger

Hazard statements

| | |
|------|---|
| H226 | Flammable liquid and vapour. |
| H315 | Causes skin irritation. |
| H319 | Causes serious eye irritation. |
| H335 | May cause respiratory irritation. |
| H350 | May cause cancer if inhaled, in contact with skin and if swallowed. |
| H402 | Harmful to aquatic life. |
| H411 | Toxic to aquatic life with long lasting effects. |

Precautionary statements

| | |
|------|---|
| P201 | Obtain special instructions before use. |
| P202 | Do not handle until all safety precautions have been read and understood. |
| P210 | Keep away from heat/sparks/open flames/hot surfaces. — No smoking. |
| P240 | Ground/bond container and receiving equipment. |
| P241 | Use explosion-proof electrical/ventilating/lighting equipment. |
| P242 | Use only non-sparking tools. |
| P243 | Take precautionary measures against static discharge. |

| | |
|----------------|--|
| P261 | Avoid breathing mist/vapours/spray. |
| P264 | Wash skin thoroughly after handling. |
| P271 | Use only outdoors or in a well-ventilated area. |
| P273 | Avoid release to the environment. |
| P280 | Wear protective gloves/protective clothing/eye protection/face protection. |
| P303+P361+P353 | IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water. |
| P304+P340 | IF INHALED: Remove person to fresh air and keep comfortable for breathing. |
| P305+P351+P338 | IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. |
| P308+P313 | IF exposed or concerned: Get medical advice/attention. |
| P312 | Call a POISON CENTER if you feel unwell. |
| P321 | Specific treatment (see supplementary instructions on this label). |
| P332+P313 | If skin irritation occurs: Get medical advice/attention. |
| P337+P313 | If eye irritation persists: Get medical advice/attention. |
| P362+P364 | Take off contaminated clothing and wash it before reuse. |
| P370+P378 | In case of fire, use a foam fire extinguisher to extinguish. |
| P391 | Collect spillage. |
| P403+P233 | Store in a well-ventilated place. Keep container tightly closed. |
| P403+P235 | Store in a well-ventilated place. Keep cool. |
| P405 | Store locked up. |
| P501 | Dispose of contents/container in accordance with applicable regulations. |

Ingredient(s) with unknown acute toxicity:

None

Hazards not otherwise classified identified during the classification process:

None

3. COMPOSITION/INFORMATION ON INGREDIENTS

Substances

Not available

Mixtures

Hazardous components within the meaning of 29 CFR 1910.1200 and related classification:

List of components

| Concentration (%) w/w | Name | Ident. Numb. | Classification | Registration Number |
|-----------------------|---|----------------|--|---------------------|
| 50-75 % | naphthenic oil; Low boiling point naphtha - unspecified | CAS:64742-95-6 | Asp. Tox. 1, H304; Flam. Liq. 3, H226; Carc. 1B, H350 | |
| 2.5-5 % | trimethylbenzenes; reaction mass of 1,2,4-trimethylbenzene and mesitylene | CAS:25551-13-7 | Flam. Liq. 3, H226; Acute Tox. 4, H332; Skin Irrit. 2, H315; Eye Irrit. 2A, H319; STOT SE 3, H335; Asp. Tox. 1, H304; Aquatic Acute 2, H401; Aquatic Chronic 2, H411 | |
| 1-2.5 % | 1,2,4-trimethyl-benzene; pseudocumene | CAS:95-63-6 | Flam. Liq. 3, H226; Eye Irrit. 2A, H319; STOT SE 3, H335; Skin Irrit. 2, H315; Aquatic Chronic 2, H411; Acute Tox. 4, H332 | |
| 0.49-1 % | cumene; Isopropylbenzene | CAS:98-82-8 | Flam. Liq. 3, H226; Asp. Tox. 1, H304; STOT SE 3, H335; Aquatic Chronic 2, H411 | |

4. FIRST AID MEASURES

Description of first aid measures

In case of skin contact:

- Immediately take off all contaminated clothing.
- Remove contaminated clothing immediately and dispose of safely.
- After contact with skin, wash immediately with soap and plenty of water.

In case of eyes contact:

After contact with the eyes, rinse with water with the eyelids open for a sufficient length of time, then consult an ophthalmologist immediately.

Protect uninjured eye.

In case of Ingestion:

Do not induce vomiting, get medical attention showing the SDS and the hazard label.

In case of Inhalation:

In case of inhalation, consult a doctor immediately and show him packing or label.

Most important symptoms/effects, acute and delayed

Eye irritation

Eye damages

Skin Irritation

Erythema

Indication of any immediate medical attention and special treatment needed

In case of accident or unwellness, seek medical advice immediately (show directions for use or safety data sheet if possible).

Treatment:

(see paragraph 4.1)

5. FIRE-FIGHTING MEASURES

Extinguishing media

Suitable extinguishing media:

Unsuitable extinguishing media:

None in particular.

Specific hazards arising from the chemical

Do not inhale explosion and combustion gases.

Burning produces heavy smoke.

Hazardous combustion products: Not available

Explosive properties: Not available

Oxidizing properties: Not available

Special protective equipment and precautions for fire-fighters

Use suitable breathing apparatus.

Collect contaminated fire extinguishing water separately. This must not be discharged into drains.

Move undamaged containers from immediate hazard area if it can be done safely.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures

Wear personal protection equipment.

Remove all sources of ignition.

Wear breathing apparatus if exposed to vapours/dusts/aerosols.

Provide adequate ventilation.

Use appropriate respiratory protection.

Do not allow to enter into soil/subsoil. Do not allow to enter into surface water or drains.

Limit leakages with earth or sand.

Methods and material for containment and cleaning up

Suitable material for taking up: absorbing material, organic, sand

Retain contaminated washing water and dispose it.

7. HANDLING AND STORAGE

Precautions for safe handling

Avoid contact with skin and eyes, inhalation of vapours and mists.

Exercise the greatest care when handling or opening the container.

Do not use on extensive surface areas in premises where there are occupants.

Use localized ventilation system.

Don't use empty container before they have been cleaned.

Before making transfer operations, assure that there aren't any incompatible material residuals in the containers.

Contaminated clothing should be changed before entering eating areas.

Do not eat or drink while working.

See also section 8 for recommended protective equipment.

Conditions for safe storage, including any incompatibilities

Storage temperature: Not available

Always keep in a well ventilated place.

Store at below 20 °C. Keep away from unguarded flame and heat sources. Avoid direct exposure to sunlight.

Keep away from unguarded flame, sparks, and heat sources. Avoid direct exposure to sunlight.

Avoid accumulating electrostatic charge.

Keep away from food, drink and feed.

Incompatible materials:

None in particular.

Instructions as regards storage premises:

Cool and adequately ventilated.

Safety electric system.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Control parameters

List of components with OEL value

| Component | OEL Type | Country | Ceiling | Long Term mg/m3 | Long Term ppm | Short Term mg/m3 | Short Term ppm | Behaviour | Note |
|---|----------|-------------|---------|-----------------|---------------|------------------|----------------|------------|--|
| trimethylbenzenes; reaction mass of 1,2,4- trimethylbenzene and mesitylene | ACGIH | | | | 25 | | | | asthma;CNS impairment;hematologic effects; |
| | MAK | GERMANY | 100 | 20 | | | | | |
| | ACGIH | | | | 25 | | | | asthma;CNS impairment;hematologic effects |
| 1,2,4-trimethyl-benzene; pseudocumene | MAK | AUSTRIA | 100 | 20 | | 150 | 30 | | |
| | MAK | SWITZERLAND | 100 | 20 | | | | | |
| | EU | | 100 | 20 | | | | Indicative | |
| cumene; Isopropylbenzene | MAK | GERMANY | 100 | 20 | | | | | prevent or reduce skin absorption; |
| | MAK | AUSTRIA | 100 | 20 | | 150 | 30 | | |
| | OSHA | | 245 | 50 | | | | | CNS impairment;eye, skin and upper respiratory tract irritation; |
| | ACGIH | | | | 50 | | | | |
| | EU | | 100 | 20 | | 250 | 50 | Indicative | Possibility of significant uptake through the skin; |
| | MAK | GERMANY | 50 | 10 | | | | | |
| | OSHA | | 245 | 50 | | | | | prevent or reduce skin absorption |
| | ACGIH | | | | 50 | | | | CNS impairment;eye, skin and upper respiratory tract irritation |
| | MAK | AUSTRIA | 100 | 20 | | 250 | 50 | | |
| | MAK | SWITZERLAND | 100 | 20 | | | | | |
| | EU | | 100 | 20 | | 250 | 50 | Indicative | Possibility of significant uptake through the skin |

Appropriate engineering controls: Not available

Individual protection measures

Eye protection:

Use close fitting safety goggles, don't use eye lens.

Protection for skin:

Use clothing that provides comprehensive protection to the skin, e.g. cotton, rubber, PVC or viton.

Protection for hands:

Suitable materials for safety gloves; 29 CFR 1910.138 - ANSI/ISEA 105:

Polychloroprene - CR: thickness $\geq 0,5\text{mm}$; breakthrough time $\geq 480\text{min}$.

Nitrile rubber - NBR: thickness $\geq 0,35\text{mm}$; breakthrough time $\geq 480\text{min}$.

Butyl rubber - IIR: thickness $\geq 0,5\text{mm}$; breakthrough time $\geq 480\text{min}$.

Fluorinated rubber - FKM: thickness $\geq 0,4\text{mm}$; breakthrough time $\geq 480\text{min}$.

Use impervious gloves that provides comprehensive protection, e.g. P.V.C., neoprene or rubber.

Respiratory protection:

Respiratory protection must be used where exposure levels exceed workplace exposure limits. Refer to 29 CFR 1910.134 - CSA Z94.4 for information on selection and use of appropriate respiratory protection equipment.

Use adequate protective respiratory equipment.

9. PHYSICAL AND CHEMICAL PROPERTIES

Information on basic physical and chemical properties

Physical state: Liquid

Appearance and colour: viscous liquid clear

Odour: Like: Hydrocarbons, aromatic

Odour threshold: No data available

pH: No data available

Melting point / freezing point: No data available

Initial boiling point and boiling range: 148 °C (298 °F)

Flash point: 42 °C (108 °F)

Evaporation rate: < 1 (Butyl Acetate)

Upper/lower flammability or explosive limits: No data available

Vapour density: No data available

Vapour pressure: No data available

Relative density: 0.93 g/cm³

Solubility in water: insoluble

Solubility in oil: No data available

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

Auto-ignition temperature: No data available

Decomposition temperature: No data available

Viscosity: No data available

Explosive properties: No data available

Oxidizing properties: No data available

Solid/gas flammability: No data available

Other information

Substance Groups relevant properties No data available

Miscibility: No data available

Fat Solubility: No data available

Conductivity: No data available

10. STABILITY AND REACTIVITY

Reactivity

It may generate dangerous reactions (See subsections below)

Chemical stability

It may generate dangerous reactions (See subsections below)

Possibility of hazardous reactions

None.

Conditions to avoid

Avoid accumulating electrostatic charge.

Incompatible materials

Avoid contact with combustible materials. The product could catch fire.

Hazardous decomposition products

None.

11. TOXICOLOGICAL INFORMATION

Information on toxicological effects

Toxicological information of the product:

There is no toxicological data available on the mixture. Consider the individual concentration of each component to assess toxicological effects resulting from exposure to the mixture.

Toxicological information of the main substances found in the product:

naphthenic oil; Low boiling point naphtha - unspecified a) acute toxicity LD50 Skin Rabbit > 2000 mg/kg

LC50 Inhalation Rat = 3400 ppm 4h

LD50 Oral Rat = 8400 mg/kg

trimethylbenzenes;
reaction mass of 1,2,4-
trimethylbenzene and
mesitylene

a) acute toxicity

LD50 Oral Rat = 8970 mg/kg

1,2,4-trimethyl-benzene;
pseudocumene

a) acute toxicity

LD50 Skin Rabbit > 3160 mg/kg

LC50 Inhalation Rat = 18 g/m³ 4h

LD50 Oral Rat = 3280 mg/kg

LC50 Inhalation Rat = 18 g/m³ 4h

cumene;
Isopropylbenzene

a) acute toxicity

LD50 Skin Rabbit = 12300 µL/kg

LC50 Inhalation Rat 20 mg/l 6h

LD50 Oral Rat = 1400 mg/kg

LD50 Skin Rabbit = 12300 µL/kg

LC50 Inhalation Rat > 3577 ppm 6h

LD50 Oral Rat = 1400 mg/kg

If not differently specified, the information required in the regulation and listed below must be considered as N.A.

- a) acute toxicity
- b) skin corrosion/irritation
- c) serious eye damage/irritation
- d) respiratory or skin sensitisation
- e) germ cell mutagenicity
- f) carcinogenicity
- g) reproductive toxicity
- h) STOT-single exposure
- Toxicological kinetics, metabolism
and distribution information
- i) STOT-repeated exposure
- j) aspiration hazard

Substance(s) listed on the IARC Monographs:

cumene; Isopropylbenzene Group 2B

Substance(s) listed as OSHA Carcinogen(s):

cumene; Isopropylbenzene

Substance(s) listed as NIOSH Carcinogen(s):

None

Substance(s) listed on the NTP report on Carcinogens:

cumene; Isopropylbenzene

12. ECOLOGICAL INFORMATION

Toxicity

Adopt good working practices, so that the product is not released into the environment.

Eco-Toxicological Information:

List of components with eco-toxicological properties

| Component | Ident. Numb. | Ecotox Infos |
|--|---------------------|---|
| naphthenic oil; Low boiling point naphtha - unspecified | CAS: 64742-95- 6 | G : LC50 Avian Colinus virginianus > 6500 ppm 5d IUCLID |

| | | |
|---|-----------------|---|
| | | G : LD50 Avian Colinus virginianus > 2250 mg/kg IUCLID |
| | | a) Aquatic acute toxicity : LC50 Fish Oncorhynchus mykiss = 9,22 mg/L 96h IUCLID |
| | | a) Aquatic acute toxicity : EC50 Daphnia Daphnia magna = 6,14 mg/L 48h IUCLID |
| trimethylbenzenes; reaction mass of 1,2,4-trimethylbenzene and mesitylene | CAS: 25551-13-7 | a) Aquatic acute toxicity : LC50 Fish Pimephales promelas = 7,72 mg/L 96h |
| 1,2,4-trimethyl-benzene; pseudocumene | CAS: 95-63-6 | G : LC50 Avian Colinus virginianus > 6500 ppm 5d IUCLID |
| | | G : LD50 Avian Colinus virginianus > 2250 mg/kg IUCLID |
| | | a) Aquatic acute toxicity : LC50 Fish Pimephales promelas 7,19 mg/L 96h EPA |
| | | a) Aquatic acute toxicity : EC50 Daphnia Daphnia magna = 6,14 mg/L 48h IUCLID |
| cumene; Isopropylbenzene | CAS: 98-82-8 | a) Aquatic acute toxicity : LC50 Fish Pimephales promelas 6,04 mg/L 96h EPA |
| | | a) Aquatic acute toxicity : LC50 Fish Oncorhynchus mykiss = 4,8 mg/L 96h IUCLID |
| | | a) Aquatic acute toxicity : LC50 Fish Oncorhynchus mykiss = 2,7 mg/L 96h EPA |
| | | a) Aquatic acute toxicity : LC50 Fish Poecilia reticulata = 5,1 mg/L 96h EPA |
| | | a) Aquatic acute toxicity : EC50 Daphnia Daphnia magna = 0,6 mg/L 48h IUCLID |
| | | a) Aquatic acute toxicity : EC50 Daphnia Daphnia magna 7,9 mg/L 48h EPA |
| | | a) Aquatic acute toxicity : EC50 Algae Pseudokirchneriella subcapitata = 2,6 mg/L 72h EPA |

Persistence and degradability

Not available

Bioaccumulative potential

Not available

Mobility in soil

Not available

Other adverse effects

Not available

13. DISPOSAL CONSIDERATIONS

Waste treatment methods

The generation of waste should be avoided or minimized wherever possible. Recover if possible.

Methods of disposal:

Disposal of this product, solutions, packaging and any by-products should at all times comply with the requirements of environmental protection and waste disposal legislation and any regional local authority requirements.

Dispose of surplus and nonrecyclable products via a licensed waste disposal contractor.

Do not dispose of waste into sewers.

Disposal considerations:

Do not allow to enter drains or watercourses.

Dispose of product according to all federal, state and local applicable regulations.

If this product is mixed with other wastes, the original waste product code may no longer apply and the appropriate code should be assigned.

Dispose of containers contaminated by the product in accordance with local or national legal provisions. For further information, contact your local waste authority.

Special precautions:

This material and its container must be disposed of in a safe way. Care should be taken when handling untreated empty containers.

Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers.

Empty containers or liners may retain some product residues. Do not re-use empty containers.

14. TRANSPORT INFORMATION

UN number

ADR-UN number: 1993
DOT-UN Number: UN1993
IATA-Un number: 1993
IMDG-Un number: 1993

UN proper shipping name

ADR-Shipping Name: FLAMMABLE LIQUID, N.O.S. (having a flash-point below 23 °C and viscous according to 2.2.3.1.4) (vapour pressure at 50 °C more than 110 kPa, boiling point of more than 35 °C) (naphthenic oil; Low boiling point naphtha - unspecified - 1,2,4-trimethyl-benzene; pseudocumene)
DOT-Proper Shipping Name: Flammable liquids, n.o.s. (naphthenic oil; Low boiling point naphtha - unspecified - 1,2,4-trimethyl-benzene; pseudocumene)
IATA-Technical name: FLAMMABLE LIQUID, N.O.S. (naphthenic oil; Low boiling point naphtha - unspecified - 1,2,4-trimethyl-benzene; pseudocumene)
IMDG-Technical name: FLAMMABLE LIQUID, N.O.S. (naphthenic oil; Low boiling point naphtha - unspecified - 1,2,4-trimethyl-benzene; pseudocumene)

Transport hazard class(es)

ADR-Class: 3
DOT-Hazard Class: 3
IATA-Class: 3
IMDG-Class: 3

Packing group

ADR-Packing Group: III
DOT-Packing group: III
IATA-Packing group: III
IMDG-Packing group: III

Environmental hazards

Marine pollutant: Yes
Environmental Pollutant: Not available

Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code

Not available

Special precautions

Department of Transportation (DOT):

DOT-Special Provision(s): B1, B52, IB3, T4, TP1, TP29
DOT-Label(s): 3
DOT-Symbol: N/A
DOT-Cargo Aircraft: N/A
DOT-Passenger Aircraft: N/A
DOT-Bulk: N/A
DOT-Non-Bulk: N/A

Road and Rail (ADR-RID) :

ADR-Label: 3
ADR-Hazard identification number: -
ADR-Transport category (Tunnel restriction code): 3 (E)

Air (IATA) :

IATA-Passenger Aircraft: 355
IATA-Cargo Aircraft: 366
IATA-Label: 3
IATA-Subsidiary hazards: -
IATA-Erg: 3L
IATA-Special Provisioning: A3

Sea (IMDG) :

IMDG-Stowage Code: Category A
IMDG-Stowage Note: -
IMDG-Subsidiary hazards: -
IMDG-Special Provisioning: 223 274 955
IMDG-Page: N/A
IMDG-Label: N/A
IMDG-EMS: F-E, S-E
IMDG-MFAG: N/A

15. REGULATORY INFORMATION

USA - Federal regulations

TSCA - Toxic Substances Control Act

TSCA inventory:

All the components are listed on the TSCA inventory

TSCA listed substances:

naphthenic oil; Low boiling point naphtha - unspecified is listed in TSCA Section 8b

trimethylbenzenes; reaction mass of 1,2,4-trimethylbenzene and mesitylene is listed in TSCA Section 8b

1,2,4-trimethyl-benzene; pseudocumene is listed in TSCA Section 8b

cumene; Isopropylbenzene is listed in TSCA Section 8b

SARA - Superfund Amendments and Reauthorization Act

Section 302 - Extremely Hazardous Substances:

No substances listed

Section 304 - Hazardous substances:

cumene; Isopropylbenzene

Section 313 - Toxic chemical list:

1,2,4-trimethyl-benzene; pseudocumene

cumene; Isopropylbenzene

CERCLA - Comprehensive Environmental Response, Compensation, and Liability Act

Substance(s) listed under CERCLA:

cumene; Isopropylbenzene Reportable quantity: 5000 pounds

CAA - Clean Air Act

CAA listed substances:

cumene; Isopropylbenzene is listed in CAA Section 112(b) - HAP Section 112(b) - HON

CWA - Clean Water Act

CWA listed substances:

No substances listed

USA - State specific regulations

California Proposition 65

Substance(s) listed under California Proposition 65:

cumene; Isopropylbenzene Listed as carcinogen

Massachusetts Right to know

Substance(s) listed under Massachusetts Right to know:

trimethylbenzenes; reaction mass of 1,2,4-trimethylbenzene and mesitylene

1,2,4-trimethyl-benzene; pseudocumene

cumene; Isopropylbenzene

Pennsylvania Right to know

Substance(s) listed under Pennsylvania Right to know:

trimethylbenzenes; reaction mass of 1,2,4-trimethylbenzene and mesitylene

1,2,4-trimethyl-benzene; pseudocumene

cumene; Isopropylbenzene

New Jersey Right to know

Substance(s) listed under New Jersey Right to know:

trimethylbenzenes; reaction mass of 1,2,4-trimethylbenzene and mesitylene

1,2,4-trimethyl-benzene; pseudocumene

cumene; Isopropylbenzene

Canada - Federal regulations

DSL - Domestic Substances List

DSL (Domestic Substances List)

All the substances are listed in the DSL.

NDSL - Non Domestic Substances List

NDSL (Non Domestic Substances List)

No substances listed

NPRI - National Pollutant Release Inventory

NPRI (National Pollutant Release Inventory) - List of substances listed.

No substances listed

16. OTHER INFORMATION

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Additional classification information

NFPA Health: 1 = Slight

NFPA Flammability: 2 = Combustible liquid

NFPA Reactivity: 0 = Minimal

NFPA Special Risk: Not available

Reasonable care has been taken in the preparation of this information, but the manufacturer makes no warranty of merchantability or any other warranty, expressed or implied, with respect to this information. The manufacturer makes no representations and assumes no liability for any direct, incidental or consequential damages resulting from its use. The information herein is presented in good faith and believed to be accurate as of the effective date given. It is the buyer's responsibility to ensure that its activities comply with Federal, State or provincial, and local laws.

This document was prepared by a competent person who has received appropriate training.

It is the duty of the user to ensure that this information is appropriate and complete with respect to the specific use intended.

This SDS cancels and replaces any preceding release.



| Code | Description |
|------|---|
| H226 | Flammable liquid and vapour. |
| H304 | May be fatal if swallowed and enters airways. |
| H315 | Causes skin irritation. |
| H319 | Causes serious eye irritation. |
| H332 | Harmful if inhaled. |
| H335 | May cause respiratory irritation. |
| H350 | May cause cancer. |
| H350 | May cause cancer if inhaled, in contact with skin and if swallowed. |
| H401 | Toxic to aquatic life. |
| H402 | Harmful to aquatic life. |
| H411 | Toxic to aquatic life with long lasting effects. |

Legend to abbreviations and acronyms used in the safety data sheet:

ADR: European Agreement concerning the International Carriage of Dangerous Goods by Road.

RID: Regulation Concerning the International Transport of Dangerous Goods by Rail.

IMDG: International Maritime Code for Dangerous Goods.

IATA: International Air Transport Association.

IATA-DGR: Dangerous Goods Regulation by the "International Air Transport Association" (IATA).

ICAO: International Civil Aviation Organization.

ICAO-TI: Technical Instructions by the "International Civil Aviation Organization" (ICAO).

GHS: Globally Harmonized System of Classification and Labeling of Chemicals.

CLP: Classification, Labeling, Packaging.

EINECS: European Inventory of Existing Commercial Chemical Substances.

INCI: International Nomenclature of Cosmetic Ingredients.

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

GefStoffVO: Ordinance on Hazardous Substances, Germany.

LC50: Lethal concentration, for 50 percent of test population.

LD50: Lethal dose, for 50 percent of test population.

DNEL: Derived No Effect Level.

PNEC: Predicted No Effect Concentration.

TLV: Threshold Limiting Value.

TWATLV: Threshold Limit Value for the Time Weighted Average 8 hour day. (ACGIH Standard).

STEL: Short Term Exposure limit.

STOT: Specific Target Organ Toxicity.

WGK: German Water Hazard Class.

KSt: Explosion coefficient.

Paragraphs modified from the previous revision:

- 1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND OF THE COMPANY/UNDERTAKING
- 6. ACCIDENTAL RELEASE MEASURES
- 7. HANDLING AND STORAGE
- 8. EXPOSURE CONTROLS/PERSONAL PROTECTION
- 9. PHYSICAL AND CHEMICAL PROPERTIES
- 16. OTHER INFORMATION