

SAFETY DATA SHEET

SECTION 1: IDENTIFICATION OF THE MIXTURE AND OF THE COMPANY/UNDERTAKING

1.1. Product identifier:

G. & S. – WA

BAUA-Reg-Nr: N-21776

BFR-Ident-Nr: 30577

Article number: gso200

1.2. Relevant identified uses of the mixture and uses advised against:

Algae, slime and putrefaction inhibitors in water-containing operating materials and operating water, for professional and industrial use.

SL, concentrate miscible with water

Product-type 2: Disinfectants and algacides not intended for direct application to humans or animals

Product-type 4: Food and feed area

Product-type 6: Preservatives for products during storage

Product-type 11: Preservatives for liquid-cooling and processing systems

Product-type 12: Slimicides

Product-type 13: Working or cutting fluid preservatives

1.3. Details of the supplier of the safety data sheet:

Information about the manufacturer/distributor:

G. & S. PHILIPP

Mühlweg 7, D-86943 Thaining

Tel: +49 8194 93109 80

1.3.1. Responsible person: Produktsicherheit
E-mail: SDB@guschem.de

1.4. Emergency telephone number: +49 171 8927687

SECTION 2: HAZARDS IDENTIFICATION

2.1. Classification of the mixture:

Classification according to Regulation (EC) No 1272/2008 (CLP):

Skin corrosion/irritation, Hazard Category 1C – H314

Sensitisation - Skin, hazard category 1A – H317

Serious eye damage/eye irritation, Hazard Category 1 – H318

Hazardous to the aquatic environment – Acute Hazard, Category 1 – H400

Hazardous to the aquatic environment – Chronic Hazard, Category 1 – H410

Hazard statements:

H314 – Causes severe skin burns and eye damage.

H317 – May cause an allergic skin reaction.

H318 – Causes serious eye damage.

H400 – Very toxic to aquatic life.

H410 – Very toxic to aquatic life with long lasting effects.

2.2. Label elements:

G. & S. PHILIPP

Components that define the hazards: Mixture of 5-chloro-2-methyl-2H-isothiazol-3-one and 2-methyl-2H-isothiazol-3-one (3:1)



Hazard statements:

H314 – Causes severe skin burns and eye damage.
H317 – May cause an allergic skin reaction.
H410 – Very toxic to aquatic life with long lasting effects.

Precautionary statements:

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 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.
P333 + P313 – If skin irritation or rash occurs: Get medical advice/ attention.
P391 – Collect spillage.

Note:

Biocide product, observe Regulation (EU) No 528/2012 concerning the making available on the market and use of biocidal products during disposal/labelling.

2.3. Other hazards:

Contains no nanomaterial.
 The product has no other known specific hazards for human or environment.
 The ingredients of the product do not meet the criteria for PBT or vPvB substances.

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

3.1. Substances:

Not applicable.

3.2. Mixtures:

Description: Aqueous mixture of a reaction mixture consisting of:

Description	CAS number	EC number / ECHA list number	REACH registration number	Conc. (%)	Classification according to Regulation (EC) No 1272/2008 (CLP)		
					Pictogram, signal word code(s)	Hazard class and category code(s)	Hazard statement code(s)
Mixture of 5-chloro-2-methyl-2H-isothiazol-3-one and 2-methyl-2H-isothiazol-3-one (3:1)* Index number: 613-167-00-5	55965-84-9	-	-	kb. 2	GHS06 GHS05 GHS09 Danger	Acute Tox. 2 Acute Tox. 2 Acute Tox. 3 Skin Corr. 1C Eye Dam. 1 Skin Sens. 1A Aquatic Acute 1 M-factor=100 Aquatic Chronic 1 M-	H330 H310 H301 H314 H318 H317 H400 H410 EUH071

						factor=100	
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*: Classification specified by the manufacturer that includes other classification in addition to the classification specified by Regulation (EC) No 1272/2008.

Specific concentration limits:

Mixture of 5-chloro-2-methyl-2H-isothiazol-3-one and 2-methyl-2H-isothiazol-3-one (3:1) (CAS number: 55965-84-9):

Skin Corr. 1C; H314: $C \geq 0,6 \%$

Skin Irrit. 2; H315: $0,06 \% \leq C < 0,6 \%$

Eye Dam. 1; H318: $C \geq 0,6 \%$

Eye Irrit. 2; H319: $0,06 \% \leq C < 0,6 \%$

Skin Sens. 1A; H317: $C \geq 0,0015 \%$

For the full text of hazard statements, see Section 16.

SECTION 4: FIRST AID MEASURES

4.1. Description of first aid measures:

General information: Remove contaminated clothing immediately.

If health problems occur, seek medical advice.

Self-protection of the first aider.

INGESTION:

Measures:

- Do not induce vomiting.
- Immediately call a physician.
- Have medicinal alcohols ingested.
- Rinse mouth immediately with plenty of water.
- Give the victim plenty of water to drink.

INHALATION:

Measures:

- After inhalation of fire gas, remove victim from danger area and provide plenty of fresh air.
- Call a doctor immediately.

SKIN CONTACT:

Measures:

- Immediately remove any clothing contaminated with the product.
- Remove contaminated shoes and carefully clean or dispose of them.
- Wash off with soap and water as soon as possible and rinse thoroughly.
- Immediate medical treatment is necessary, as untreated burns can lead to hard-to-heal wounds.
- In case of extensive skin exposure, use an emergency shower.

EYE CONTACT:

Measures:

- Immediately rinse thoroughly with plenty of water for at least 15 minutes with the eyelids apart and consult an ophthalmologist.

4.2. Most important symptoms and effects, both acute and delayed:

The following symptoms may occur:

Allergic reactions.

Skin alterations such as itching, redness, blistering may only occur after hours.

Chemical burns of the upper gastrointestinal tract.

4.3. Indication of any immediate medical attention and special treatment needed:

If swallowed, rinse the stomach with activated charcoal.

Treat skin and mucous membranes with antihistamines and corticosteroids.

Flush eyes with physiological saline solution.

SECTION 5: FIREFIGHTING MEASURES

- 5.1. **Extinguishing media:**
5.1.1. **Suitable extinguishing media:**
Water spray, foam, powder, carbon dioxide.
5.1.2. **Unsuitable extinguishing media:**
No unsuitable extinguishing media known.
5.2. **Special hazards arising from the substance or mixture:**
Under certain fire conditions, traces of toxic substances cannot be ruled out, such as: nitrogen oxides (NOX), carbon monoxide (CO), sulphur dioxide (SO₂), hydrogen chloride (HCl). The inhalation of such combustion products can have serious adverse effects on health.
5.3. **Advice for firefighters:**
Wear full protective clothing and self-contained breathing apparatus.
The contaminated extinguishing water should be collected separately, do not discharge it into the sewer system.

SECTION 6: ACCIDENTAL RELEASE MEASURES

- 6.1. **Personal precautions, protective equipment and emergency procedures:**
6.1.1. **For non-emergency personnel:**
Allow only well-trained experts wearing suitable protective clothing to abide in the field of accident.
6.1.2. **For emergency responders:**
Wear personal protective clothing (see Section 8).
Keep unprotected persons away.
When selecting protective equipment, ensure complete and safe protection of skin and mucous membranes.
Impermeable protective clothing, protective neoprene boots, full face protection, nitrile rubber gloves with long cuffs are recommended.
6.2. **Environmental precautions:**
Dispose of the spillage and the resulting waste according to the applicable environmental regulations. Do not allow the product and the resulting waste to enter sewers/soil/surface or ground water. Notify the respective authorities in accordance with local law in the case of environmental pollution immediately.
6.3. **Methods and material for containment and cleaning up:**
Collect larger quantities in containers.
Sprinkle residues with suitable binder, mix well and sweep up avoiding dust formation.
Dispose of contaminated material as waste according to Section 13.
6.4. **Reference to other sections:**
For further and detailed information see Sections 7, 8 and 13.

SECTION 7: HANDLING AND STORAGE

- 7.1. **Precautions for safe handling:**
Observe conventional hygiene precautions.
Technical measures:
Do not leave containers open.
When designing the work processes, the model solutions in the corresponding protection guides must be taken into account.
Precautions against fire and explosion:
No special measures required.
7.2. **Conditions for safe storage, including any incompatibilities:**
Technical measures and storage condition:
Store only in the original container in accordance with official regulations.
Do not store together with food.
Keep container tightly closed.
Protect from heat and direct sunlight.
Storage temperature: 10-25°C.
Storage class: 8B (Non-combustible corrosive substances, TRGS 500) (data given by the manufacturer).
Incompatible materials: See Section 10.5
Packaging material: No special prescriptions.
7.3. **Specific end use(s):**
No specific instructions available.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1. Control parameters:

Occupational exposure limit values (Commission Directive (EC) No 2000/39 of 8 June 2000):

The components of the mixture are not regulated with exposure limit value.

DNEL values		Oral exposure		Dermal exposure		Inhalative exposure	
		Short term (acute)	Long term (chronic)	Short term (acute)	Long term (chronic)	Short term (acute)	Long term (chronic)
Consumer	Local	no data	no data	no data	no data	no data	no data
	Systemic	no data	no data	no data	no data	no data	no data
Worker	Local	no data	no data	no data	no data	no data	no data
	Systemic	no data	no data	no data	no data	no data	no data

PNEC values		
Compartment	Value	Note(s)
Freshwater	no data	no notes
Marine water	no data	no notes
Freshwater sediment	no data	no notes
Marine water sediment	no data	no notes
Sewage Treatment Plant (STP)	no data	no notes
Intermittent release	no data	no notes
Secondary poisoning	no data	no notes
Soil	no data	no notes

8.2. Exposure controls:

In case of a hazardous material with no controlled concentration limit it is the employer's duty to keep concentration levels down to a minimum achievable by existing scientific and technological means, where the hazardous substance poses no harm to workers.

8.2.1. Appropriate engineering controls:

In pursuance of work is proper foresight needed to avoid spilling onto clothes and floors and to avoid contact with eyes and skin.

8.2.2. Individual protection measures, such as personal protective equipment:

Contact with eyes and skin should be avoided.

Preventive skin protection with skin protection ointment.

Ensure thorough skin cleansing and skin care after work.

Keep product away from food.

1. **Eye/face protection:** Use appropriate tight-fitting protective glasses or face protection (EN 166).

2. **Skin protection:**

a. **Hand protection:** Use appropriate protective gloves (EN 374, with CE marking).

Check protective gloves for damage (tears, holes, cuts) before each use. Do not wear protective gloves longer than necessary. After using gloves, use skin cleansing and skin care products. Glove material: Nitrile rubber (Nitrillatex). Layer thickness: 0.4 mm. Penetration time (min.): 480 min. Permeation: Level 6.

The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed.

Attention! The daily duration of use of a chemical protective glove can be significantly shorter than the permeation time determined according to EN 374 due to the special conditions at the workplace (mechanical impact, temperature).

b. **Other:** Wear rubber shoes and rubber apron.

3. **Respiratory protection:** When the occupational exposure limit is exceeded, use appropriate respiratory protective device.

Combination filter "AP/2" against organic vapours with boiling point >65 °C and against solid and liquid particles of harmful substances.

4. **Thermal hazards:** No thermal hazards known.

8.2.3. Environmental exposure controls:

See Sections 6 and 7.

The requirements detailed in Section 8 assume skilled work under normal conditions and usage of the product for appropriate aims. If conditions differ from normal or work is carried out under extreme conditions, an expert's advice is necessary before deciding upon further protective measures.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1. Information on basic physical and chemical properties:

Parameter	Value / Test method / Remarks
1. Appearance:	colourless to yellowish clear liquid
2. Odour:	mildly soapy
3. Odour threshold:	no data*
4. pH:	3-4 / 1 % in water / 20 °C
5. Melting point/freezing point:	no data*
6. Initial boiling point and boiling range:	ca. 100 °C
7. Flash point:	not applicable
8. Evaporation rate:	no data*
9. Flammability (solid, gas):	no data*
10. Upper/lower flammability or explosive limits:	no data*
11. Vapour pressure:	23 mbar (H ₂ O) / 20 °C
12. Vapour density:	no data*
13. Relative density:	no data*
14. Solubility(ies):	miscible with water in any proportion
15. Partition coefficient: n-octanol/water:	Log KW – 0.71- + 0.75 / CIT/MIT
16. Auto-ignition temperature:	The product is not self-igniting.
17. Decomposition temperature:	no data*
18. Viscosity:	no data*
19. Explosive properties:	The product is not explosive.
20. Oxidizing properties:	no data*

9.2. Other information:

Density at 20 °C: 1.017-1.037 g/ml

VOC (CH / EU): 0,00%; 0,00 g/l

*: The manufacturer did not carry out any tests on this parameter for the product or the results of the tests are not available at the time of publication of the data sheet.

SECTION 10: STABILITY AND REACTIVITY

10.1. Reactivity:

So far, no hazards can be identified that would result from reactivity of the mixture.

10.2. Chemical stability:

Before application, the product should not be diluted or mixed with other chemicals in order to avoid negative influences on the active substances.

10.3. Possibility of hazardous reactions:

No hazardous reactions known.

10.4. Conditions to avoid:

No conditions to avoid known.

10.5. Incompatible materials:

Alkalis (bases), reducing agents, strong oxidising agents, nucleophiles.

10.6. Hazardous decomposition products:

No hazardous decomposition products when stored and used properly.

SECTION 11: TOXICOLOGICAL INFORMATION

11.1. Information on toxicological effects:

Acute toxicity: Based on available data, the classification criteria are not met.

Skin corrosion/irritation: Causes severe skin burns and eye damage.

Serious eye damage/irritation: Causes serious eye damage.

Respiratory or skin sensitisation: May cause an allergic skin reaction.

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.

11.1.1. Summaries of the information derived from the test conducted:

No data available.

11.1.2. Relevant toxicological properties:

Acute toxicity:

Information about the components:

Mixture of 5-chloro-2-methyl-2H-isothiazol-3-one and 2-methyl-2H-isothiazol-3-one (3:1) (CAS number: 55965-84-9):

LD₅₀ (oral, rat): 4467 mg/kg (Literature value)

LD₅₀ (dermal, rat): >5000 mg/kg

Skin corrosion/irritation:

Corrosive effect on skin and mucous membranes.

Serious eye damage/irritation:

Causes serious eye damage.

Respiratory or skin sensitisation:

May cause sensitisation by skin contact.

11.1.3. Information on likely routes of exposure:

Ingestion, inhalation, skin contact, eye contact.

11.1.4. Symptoms related to the physical, chemical and toxicological characteristics:

No data available.

11.1.5. Delayed and immediate effects as well as chronic effects from short and long-term exposure:

Causes severe skin burns and eye damage.

May cause an allergic skin reaction.

11.1.6. Interactive effects:

No data available.

11.1.7. Absence of specific data:

No information.

11.1.8. Other information:

No data available.

SECTION 12: ECOLOGICAL INFORMATION

12.1. Toxicity:

Short-term (acute) aquatic toxicity hazard: Very toxic to aquatic life.

Long-term (chronic) aquatic toxicity: Very toxic to aquatic life with long lasting effects.

Fish toxicity:

EC₅₀ (rainbow trout (*Oncorhynchus mykiss*), 96 h): 14.8 mg/l

Daphnia toxicity:

EC₅₀ (48 h): 8 mg/l

Algae toxicity:

EC₅₀ (green alga (*Selenastrum capricornutum*), 72 h): 1.67 mg/l

12.2. Persistence and degradability:

The product ingredients are easily eliminated from waste water.

Degree of biodegradability: > 60 %.

The product ingredients are rapidly (easily) biodegradable.

12.3. Bioaccumulative potential:

Due to the partition coefficient n-octanol/water, accumulation in organisms is not expected. Log KW - 0.71 - + 0.75; CIT/MIT.

12.4. Mobility in soil:

No data available.

12.5. Results of PBT and vPvB assessment:

The ingredients of the product do not meet the criteria for PBT or vPvB substances.

12.6. Other adverse effects:

Water hazard class (WGK, German regulation, self-classification): 2 - hazardous for water.

Chemical oxygen demand (COD): approx. 16 mg O₂/g.

AOX advice: May affect the AOX value of waste water. The active substance is not persistent. It is rapidly degraded by splitting the chlorine atoms.

SECTION 13: DISPOSAL CONSIDERATIONS

13.1. Waste treatment methods:

Disposal according to the local regulations.

13.1.1. Information regarding the disposal of the product:

Hazardous waste according to the Waste Catalogue Ordinance (AVV).

If recycling is not possible, waste must be disposed of in accordance with local regulations.

Must not be disposed of together with household waste.

Do not allow to enter drains.

Consult the waste disposal company for the exact waste code.

List of Waste Code:

16 03 05* organic wastes containing hazardous substances

*: Hazardous waste.

13.1.2. Information regarding the disposal of the packaging:

Dispose of in accordance with applicable regulations.

The contaminated packaging must be fully emptied. The emptied packaging can only be sent to recycling after proper cleaning.

Carefully cleaned packaging can be reused.

Recommended cleaning agent: Water.

13.1.3. Physical/chemical properties that may affect waste treatment options shall be specified:

No data available.

13.1.4. Sewage disposal:

No data available.

13.1.5. Special precautions for any recommended waste treatment:

No data available.

SECTION 14: TRANSPORT INFORMATION

14.1. UN Number:

UN 3265

14.2. UN proper shipping name:

ADR/RID:

CORROSIVE LIQUID, ACIDIC, ORGANIC, N.O.S.(reaction mass of containing 5-Chloro-2-methyl-2H-isothiazol-3-one and 2-Methyl-2H- isothiazol-3-one (3:1)), ENVIRONMENTALLY HAZARDOUS

IMDG / IATA:

CORROSIVE LIQUID, ACIDIC, ORGANIC, N.O.S.(reaction mass of containing 5-Chloro-2-methyl-2H-isothiazol-3-one and 2-Methyl-2H- isothiazol-3-one (3:1)), MARINE POLLUTANT

14.3. Transport hazard class(es):

8

Labels: 8

14.4. Packing group:

II

14.5. Environmental hazards:

Environmentally hazardous: Yes.

Symbol (fish and tree).

Marine pollutant: Yes.

14.6. Special precautions for user:

Attention: Corrosive substances

Kemmler number: 80

Tunnel restriction code: E

14.7. Transport in bulk according to Annex II of MARPOL and the IBC Code:

The delivery takes place exclusively in packaging that is approved and suitable under traffic law.

SECTION 15: REGULATORY INFORMATION

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

REGULATION (EC) No 1907/2006 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 18 December 2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH), establishing a European Chemicals Agency,

amending Directive (EC) No 1999/45 and repealing Council Regulation (EEC) No 793/93 and Commission Regulation (EC) No 1488/94 as well as Council Directive (EEC) No 76/769 and Commission Directives (EEC) No 91/155, (EEC) No 93/67, (EC) No 93/105 and (EC) No 2000/21

REGULATION (EC) No 1272/2008 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 16 December 2008 on classification, labelling and packaging of substances and mixtures, amending and repealing Directives (EEC) No 67/548 and (EC) No 1999/45, and amending Regulation (EC) No 1907/2006

COMMISSION REGULATION (EU) No 2015/830 of 28 May 2015 amending Regulation (EC) No 1907/2006 of the European Parliament and of the Council on the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH)

REGULATION (EU) No 528/2012 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 22 May 2012 concerning the making available on the market and use of biocidal products

15.2. **Chemical safety assessment:** Chemical safety assessment has not been carried out.

SECTION 16: OTHER INFORMATION

Information regarding the revision of the safety data sheet: No information.

Literature references / data sources:

Safety data sheet issued by the manufacturer (30. 08. 2018, version 3.1, German)

Methods used for the classification according to Regulation (EC) No 1272/2008:

Classification	Method
Skin corrosion/irritation, Hazard Category 1C – H314	Based on calculation method
Sensitisation - Skin, hazard category 1A – H317	Based on calculation method
Serious eye damage/eye irritation, Hazard Category 1 – H318	Based on calculation method
Hazardous to the aquatic environment – Acute Hazard, Category 1 – H400	Based on calculation method
Hazardous to the aquatic environment – Chronic Hazard, Category 1 – H410	Based on calculation method

Relevant hazard statements (code and full text) of Sections 2 and 3:

H301 – Toxic if swallowed.

H310 – Fatal in contact with skin.

H314 – Causes severe skin burns and eye damage.

H315 – Causes skin irritation.

H317 – May cause an allergic skin reaction.

H318 – Causes serious eye damage.

H319 – Causes serious eye irritation.

H330 – Fatal if inhaled.

H400 – Very toxic to aquatic life.

H410 – Very toxic to aquatic life with long lasting effects.

EUH 071 – Corrosive to the respiratory tract.

Training advice: No training is required for activities involving this hazardous substance.

Full text of the abbreviations in the safety data sheet:

ADN: The European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways.

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

ATE: Acute Toxicity Estimate.

AOX: Adsorbable organic halides.

BCF: Bioconcentration factor.

BOD: Biological Oxygen Demand.

CAS number: Chemical Abstract Service number.

CLP: Regulation (EC) No 1272/2008 on classification, labelling and packaging of substances and mixtures.

CMR effects: Carcinogenic, mutagenic, reprotoxic effects.

COD: Chemical Oxygen Demand.

CSA: Chemical Safety Assessment.

CSR: Chemical Safety Report.

DNEL: Derived-No-Effect-Level.

ECHA: European Chemical Agency.

EC: European Community.

EC number: EINECS and ELINCS numbers (see also EINECS and ELINCS).

EEC: European Economic Community.

EEA: European Economic Area (EU + Iceland, Liechtenstein and Norway).

EINECS: European Inventory of Existing Commercial Chemical Substances.

ELINCS: European List of Notified Chemical Substances.

EN: European Norm.

EU: European Union.

EWG: European Waste Catalogue (replaced by LoW – see below).

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

IATA: International Air Transport Association.

ICAO-TI: Technical Instructions for the Safe Transport of Dangerous Goods by Air.

IMDG: International Maritime Dangerous Goods.

IMSBC: International Maritime Solid Bulk Cargoes.

IUCLID: International Uniform Chemical Information Database.

IUPAC: International Union of Pure and Applied Chemistry.

Kow: n-Octanol - Water Partition Coefficient.

LC₅₀: Lethal concentration resulting in 50 % mortality.

LD₅₀: Lethal dose resulting in 50 % mortality (median lethal dose).

LoW: List of Waste.

LOEC: Lowest Observed Effect Concentration.

LOEL: Lowest Observed Effect Level.

NOEC: No Observed Effect Concentration.

NOEL: No Observed Effect Level.

NOAEC: No Observed Adverse Effect Concentration.

NOAEL: No Observed Adverse Effect Level.

OECD: Organization for Economic Cooperation and Development.

OSHA: Occupational Safety and Health Administration.

PBT: Persistent, Bioaccumulative and Toxic.

PNEC: Predicted No Effect Concentration.

QSAR: Quantitative Structure Activity Relationship.

REACH: Regulation 1907/2006/EC concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals.

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

SCBA: Self Contained Breathing Apparatus.

SDS: Safety Data Sheet.

STOT: Specific Target Organ Toxicity.

SVHC: Substances of Very High Concern.

UN: United Nations.

UVCB: Chemical Substances of Unknown or Variable Composition, Complex Reaction Products and Biological Materials.

VOC: Volatile Organic Compound.

vPvB: very Persistent and very Bioaccumulative.

This safety data sheet had been prepared on the basis of information provided by the manufacturer/supplier and conform to the relevant regulations.

The information, data and recommendations contained herein are provided in good faith, obtained from reliable sources and believed to be true and accurate as of the date issued; however, no representation is made as to the comprehensiveness of the information.

The SDS shall be used only as a guide for handling the product; in the course of handling and using the product other considerations may arise or be required.

Users are cautioned to determine the appropriateness and applicability of the above information to their particular circumstances and purposes and assume all risk associated with the use of this product.

It is the responsibility of the user to fully comply with local, national and international regulations concerning the use of this product.

Safety data sheet was prepared by:
MSDS-Europe
International branch of ToxInfo Kft.

Professional help regarding the explanation of
the safety data sheet:
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