

SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006

**Wolman Wood and
Fire Protection GmbH**

Wolmanit ProColor brown 4004

| | | | |
|---------|----------------|--------------|---------------------------------|
| Version | Revision Date: | SDS Number: | Date of last issue: - |
| 1.0 | 25.08.2023 | 000000692831 | Date of first issue: 25.08.2023 |

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

1.1 Product identifier

Trade name : Wolmanit ProColor brown 4004

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

Use of the Sub-
stance/Mixture : Colour concentrate for the professional use in wood protection

1.3 Details of the supplier of the safety data sheet

Company : Wolman Wood and Fire Protection GmbH
Dr.-Wolman-Strasse 31-33
76547 Sinzheim

Telephone : +4972218000

Telefax : +497221800290

E-mail address of person
responsible for the SDS : rpc@mbcc-group.com

1.4 Emergency telephone

ChemTel: +1-813-248-0585

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.

Skin sensitization, Category 1 H317: May cause an allergic skin reaction.

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

2.2 Label elements

Labeling (REGULATION (EC) No 1272/2008)

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Hazard pictograms :



Signal Word : Danger

Hazard Statements :
H317 May cause an allergic skin reaction.
H318 Causes serious eye damage.
H412 Harmful to aquatic life with long lasting effects.

Precautionary Statements : **Prevention:**
P280 Wear protective gloves/ eye protection/ face protection.
P273 Avoid release to the environment.
P261 Avoid breathing dust/ fume/ gas/ mist/ vapors/ spray.
Response:
P305 + P351 + P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P310 Immediately call a POISON CENTER or doctor/ physician.
P302 + P352 IF ON SKIN: Wash with plenty of soap and water.
Disposal:
P501 Dispose of contents/container to appropriate hazardous waste collection point.

Hazardous ingredients which must be listed on the label:

BROWN HM 2763
polyethyleneimine
1,2-benzisothiazol-3(2H)-one
mixture of: 5-chloro-2-methyl-4-isothiazolin-3-one and 2-methyl-4-isothiazolin-3-one (3:1)

2.3 Other hazards

This substance/mixture contains no components considered to be either persistent, bioaccumulative and toxic (PBT), or very persistent and very bioaccumulative (vPvB) at levels of 0.1% or higher.

Ecological information: The substance/mixture does not contain components considered to have endocrine disrupting properties according to REACH Article 57(f) or Commission Delegated regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at levels of 0.1% or higher.

Toxicological information: The substance/mixture does not contain components considered to have endocrine disrupting properties according to REACH Article 57(f) or Commission Delegated regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at levels of 0.1% or higher.

If applicable information is provided in this section on other hazards which do not result in classification but which may contribute to the overall hazards of the substance or mixture.

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SECTION 3: Composition/information on ingredients

3.2 Mixtures

Chemical nature : Liquid concentrate for the colouration of wood - miscible with water

Components

| Chemical name | CAS-No. EC-No. Index-No. Registration number | Classification | Concentration (% w/w) |
|---|---|---|--------------------------|
| BROWN HM 2763 | Not Assigned 404-540-1 611-016-00-8 01-0000015411-82 | Skin Sens. 1; H317 | 3 - < 10 |
| Black HM 2482 | 89857-06-7 400-920-6 01-0000015083-79 | Aquatic Chronic 3; H412 | < 3 |
| Diethylene glycol | 111-46-6 203-872-2 603-140-00-6 01-2119457857-21 | Acute Tox. 4; H302 | < 3 |
| polyethyleneimine | 9002-98-6 | Acute Tox. 4; H302 Eye Dam. 1; H318 Skin Sens. 1B; H317 Aquatic Chronic 2; H411 | < 3 |
| 3,5,5-trimethylhexanoic acid | 3302-10-1 221-975-0 | Acute Tox. 4; H302 Skin Irrit. 2; H315 Eye Dam. 1; H318 | < 3 |
| 2,2'-iminodiethanol | 111-42-2 203-868-0 603-071-00-1 01-2119488930-28 | Acute Tox. 4; H302 Skin Irrit. 2; H315 Eye Dam. 1; H318 Repr. 2; H361 STOT RE 2; H373 (Kidney, Liver, Blood, Central nervous sys- tem) | < 1 |
| Amines, C16-18 and C16-18- unsatd. alkyl | 1213789-63-9 01-2119473797-19 | Asp. Tox. 1; H304 Acute Tox. 4; H302 Skin Corr. 1B; H314 Eye Dam. 1; H318 STOT SE 3; H335 (Respiratory system) STOT RE 2; H373 Aquatic Acute 1; H400 Aquatic Chronic 1; H410 M-Factor (Acute aquatic toxicity): 10 M-Factor (Chronic | < 0,2 |

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| | | | |
|--|--|---|----------|
| | | aquatic toxicity): 10 | |
| 1,2-benzisothiazol-3(2H)-one | 2634-33-5 220-120-9 613-088-00-6 01-2120761540-60 | Acute Tox. 4; H302 Skin Irrit. 2; H315 Eye Dam. 1; H318 Skin Sens. 1; H317 Aquatic Acute 1; H400 M-Factor (Acute aquatic toxicity): 1 specific concentration limit Skin Sens. 1; H317 >= 0,05 % | < 0,05 |
| mixture of: 5-chloro-2-methyl-4- isothiazolin-3-one and 2-methyl-4- isothiazolin-3-one (3:1) | 55965-84-9 613-167-00-5 01-2120764691-48 | Acute Tox. 3; H301 Acute Tox. 2; H330 Acute Tox. 2; H310 Skin Corr. 1C; H314 Eye Dam. 1; H318 Skin Sens. 1A; H317 Aquatic Acute 1; H400 Aquatic Chronic 1; H410 EUH071 M-Factor (Acute aquatic toxicity): 100 M-Factor (Chronic aquatic toxicity): 100 specific concentration limit Skin Corr. 1C; H314 >= 0,6 % Skin Irrit. 2; H315 0,06 - < 0,6 % Eye Irrit. 2; H319 0,06 - < 0,6 % Skin Sens. 1A; H317 >= 0,0015 % Eye Dam. 1; H318 >= 0,6 % | < 0,0015 |

For explanation of abbreviations see section 16.

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SECTION 4: First aid measures

4.1 Description of first-aid measures

- | | | |
|-------------------------|---|---|
| General advice | : | First aid personnel should pay attention to their own safety. Immediately remove contaminated clothing. |
| If inhaled | : | If difficulties occur after vapour/aerosol has been inhaled, remove to fresh air and seek medical attention. |
| In case of skin contact | : | After contact with skin, wash immediately with plenty of water and soap. Under no circumstances should organic solvent be used. If irritation develops, seek medical attention. |
| In case of eye contact | : | Wash affected eyes for at least 15 minutes under running water with eyelids held open, consult an eye specialist. |
| If swallowed | : | Immediately rinse mouth and then drink 200-300 ml of water, seek medical attention. Do not induce vomiting unless told to by a poison control center or doctor. |

4.2 Most important symptoms and effects, both acute and delayed

- | | | |
|----------|---|---|
| Symptoms | : | Information, i.e. additional information on symptoms and effects may be included in the GHS labeling phrases available in Section 2 and in the Toxicological assessments available in Section 11. |
|----------|---|---|

4.3 Indication of any immediate medical attention and special treatment needed

- | | | |
|-----------|---|---|
| Treatment | : | Treat according to symptoms (decontamination, vital functions), no known specific antidote. |
|-----------|---|---|

SECTION 5: Firefighting measures

5.1 Extinguishing media

- | | | |
|--------------------------------|---|--|
| Suitable extinguishing media | : | Foam Water spray Dry powder Carbon dioxide (CO ₂) |
| Unsuitable extinguishing media | : | water jet |

5.2 Special hazards arising from the substance or mixture

- | | | |
|-------------------------------|---|--|
| Hazardous combustion products | : | nitrogen oxides fumes/smoke carbon black corrosive gases/vapours Carbon oxides |
|-------------------------------|---|--|

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5.3 Advice for firefighters

Special protective equipment : Wear a self-contained breathing apparatus.
for fire-fighters

Further information : The degree of risk is governed by the burning substance and the fire conditions.
Contaminated extinguishing water must be disposed of in accordance with official regulations.

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

Personal precautions : Use personal protective clothing.
Do not breathe vapour/aerosol/spray mists.
Handle in accordance with good industrial hygiene and safety practice.

6.2 Environmental precautions

Environmental precautions : Contain contaminated water/firefighting water.
Do not allow to enter soil, waterways or waste water channels.

6.3 Methods and material for containment and cleaning up

Methods for cleaning up : Pick up with suitable absorbent material (e.g. sand, sawdust, general-purpose binder, kieselguhr).
Dispose of absorbed material in accordance with regulations.
Large spills should be collected mechanically (remove by pumping) for disposal.

6.4 Reference to other sections

For disposal considerations see section 13., For personal protection see section 8.

SECTION 7: Handling and storage

7.1 Precautions for safe handling

Advice on safe handling : Avoid contact with the skin, eyes and clothing.
Smoking, eating and drinking are forbidden in application area. For personal protection see section 8. Comply with the health and safety at work laws.
Ensure thorough ventilation of stores and work areas.

Advice on protection against fire and explosion : No special precautions necessary.

Hygiene measures : When using, do not eat, drink or smoke. Hands and/or face should be washed before breaks and at the end of the shift. At the end of the shift the skin should be cleaned and skin-care agents applied. Gloves must be inspected regularly and prior to each use. Replace if necessary (e.g. pinhole leaks).

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7.2 Conditions for safe storage, including any incompatibilities

Further information on storage conditions : Keep only in the original container in a cool, dry, well-ventilated place away from ignition sources, heat or flame. Protect from direct sunlight. Store protected against freezing. Frost sensitive

Storage class (TRGS 510) : 12

7.3 Specific end use(s)

Specific use(s) : For the relevant identified use(s) listed in Section 1 the advice mentioned in this section 7 is to be observed.

SECTION 8: Exposure controls/personal protection

8.1 Control parameters

Occupational Exposure Limits

| Components | CAS-No. | Value type (Form of exposure) | Control parameters | Basis |
|---------------------|---|---|-----------------------------------|---------------|
| dipropylene glycol | 25265-71-8 | AGW (Vapour and aerosols, inhalable fraction) | 100 mg/m ³ | DE TRGS 900 |
| | Peak-limit category: 2;(II) | | | |
| | Further information: When there is compliance with the OEL and biological tolerance values, there is no risk of harming the unborn child | | | |
| | | OEL (Inhalable fraction) | 100 mg/m ³ | TRGS 900 (DE) |
| Diethylene glycol | 111-46-6 | AGW (Vapour and aerosols) | 10 ppm 44 mg/m ³ | DE TRGS 900 |
| | Peak-limit category: 4;(II) | | | |
| | Further information: When there is compliance with the OEL and biological tolerance values, there is no risk of harming the unborn child | | | |
| 2,2'-iminodiethanol | 111-42-2 | AGW (Vapour and aerosols) | 0,11 ppm 0,5 mg/m ³ | DE TRGS 900 |
| | Peak-limit category: 1;(I) | | | |
| | Further information: Skin absorption, When there is compliance with the OEL and biological tolerance values, there is no risk of harming the unborn child, Substance sensitizing through the skin | | | |

8.2 Exposure controls

Personal protective equipment

Eye/face protection : Tightly fitting safety goggles (splash goggles) (e.g. EN 166)

Hand protection

Remarks : Suitable chemical resistant safety gloves (EN 374) also with prolonged, direct contact (Recommended: Protective index 6, corresponding > 480 minutes of permeation time according to EN 374): E.g. nitrile rubber (0.4 mm), chloroprene rubber (0.5

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mm), butyl rubber (0.7 mm) etc. Manufacturer's directions for use should be observed because of great diversity of types.

- | | | |
|--------------------------|---|---|
| Skin and body protection | : | Body protection must be chosen based on level of activity and exposure. |
| Respiratory protection | : | Wear respiratory protection if ventilation is inadequate. Combination filter for gases/vapours of organic, inorganic, acid inorganic and alkaline compounds (e.g. EN 14387 Type ABEK). |
| Protective measures | : | Do not inhale gases/vapours/aerosols. Avoid contact with the skin, eyes and clothing. Handle in accordance with good industrial hygiene and safety practice. Wearing of closed work clothing is recommended. |

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

- | | | |
|---------------------------|---|---|
| Physical state | : | liquid |
| Color | : | brown |
| Odor | : | faint specific odour |
| Melting point | : | No data available. |
| Boiling point | : | > 100 °C |
| Flammability | : | Not applicable |
| Flash point | : | > 100 °C |
| Autoignition temperature | : | No data available |
| Decomposition temperature | : | No decomposition if correctly stored and handled. |
| pH | : | approx. 5,7 (25 °C) Concentration: 1 g/l |
| Viscosity | : | |
| Viscosity, dynamic | : | approx. 10,0 mPa.s (approx. 25 °C) |
| Solubility(ies) | : | |
| Water solubility | : | partly soluble |
| Vapor pressure | : | Not applicable |
| Density | : | approx. 1,08 g/cm ³ (20 °C) |

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Relative vapor density : Not applicable

9.2 Other information

Explosives : Not explosive

Oxidizing properties : not fire-propagating

Self-ignition : not self-igniting

SECTION 10: Stability and reactivity

10.1 Reactivity

No hazardous reactions if stored and handled as prescribed/indicated.

10.2 Chemical stability

The product is stable if stored and handled as prescribed/indicated.

10.3 Possibility of hazardous reactions

Hazardous reactions : The product is stable if stored and handled as prescribed/indicated.

10.4 Conditions to avoid

Conditions to avoid : See SDS section 7 - Handling and storage.

10.5 Incompatible materials

Materials to avoid : Strong oxidizing agents
Strong reducing agents

10.6 Hazardous decomposition products

No hazardous decomposition products if stored and handled as prescribed/indicated.

SECTION 11: Toxicological information

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

Acute toxicity

Not classified based on available information.

Product:

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

Skin corrosion/irritation

Not classified based on available information.

Serious eye damage/eye irritation

Causes serious eye damage.

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Respiratory or skin sensitization

Skin sensitization

May cause an allergic skin reaction.

Respiratory sensitization

Not classified based on available information.

Germ cell mutagenicity

Not classified based on available information.

Carcinogenicity

Not classified based on available information.

Reproductive toxicity

Not classified based on available information.

STOT-single exposure

Not classified based on available information.

STOT-repeated exposure

Not classified based on available information.

Aspiration toxicity

Not classified based on available information.

11.2 Information on other hazards

Endocrine disrupting properties

Product:

Assessment : The substance/mixture does not contain components considered to have endocrine disrupting properties according to REACH Article 57(f) or Commission Delegated regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at levels of 0.1% or higher.

SECTION 12: Ecological information

12.1 Toxicity

Product:

Ecotoxicology Assessment

Acute aquatic toxicity : Not classified based on available information.

Chronic aquatic toxicity : Harmful to aquatic life with long lasting effects.

Components:

Amines, C16-18 and C16-18-unsatd. alkyl:

M-Factor (Acute aquatic toxicity) : 10

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M-Factor (Chronic aquatic toxicity) : 10

1,2-benzisothiazol-3(2H)-one:

M-Factor (Acute aquatic toxicity) : 1

mixture of: 5-chloro-2-methyl-4-isothiazolin-3-one and 2-methyl-4-isothiazolin-3-one (3:1):

M-Factor (Acute aquatic toxicity) : 100

M-Factor (Chronic aquatic toxicity) : 100

12.2 Persistence and degradability

Product:

Biodegradability : Result: Not readily biodegradable (by OECD criteria).

12.3 Bioaccumulative potential

Product:

Bioaccumulation : Remarks: Accumulation in organisms is not to be expected.

12.4 Mobility in soil

Product:

Distribution among environmental compartments : Remarks: Following exposure to soil, adsorption to solid soil particles is probable, therefore contamination of groundwater is not expected.

12.5 Results of PBT and vPvB assessment

Product:

Assessment : This substance/mixture contains no components considered to be either persistent, bioaccumulative and toxic (PBT), or very persistent and very bioaccumulative (vPvB) at levels of 0.1% or higher.

12.6 Endocrine disrupting properties

Product:

Assessment : The substance/mixture does not contain components considered to have endocrine disrupting properties according to REACH Article 57(f) or Commission Delegated regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at levels of 0.1% or higher.

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12.7 Other adverse effects

Product:

Additional ecological information : Do not discharge product into the environment without control. The product should not be allowed to reach either sewage waters or water purification plants.

SECTION 13: Disposal considerations

13.1 Waste treatment methods

| | |
|------------------------|--|
| Product | : This material and its container must be disposed of in a safe way. Must be disposed of or incinerated in accordance with local regulations. |
| Contaminated packaging | : Contaminated packaging should be emptied as far as possible; then it can be passed on for recycling after being thoroughly cleaned. |

SECTION 14: Transport information

14.1 UN number or ID number

| | |
|------|-------------------------------------|
| ADN | : Not regulated as a dangerous good |
| ADR | : Not regulated as a dangerous good |
| RID | : Not regulated as a dangerous good |
| IMDG | : Not regulated as a dangerous good |
| IATA | : Not regulated as a dangerous good |

14.2 UN proper shipping name

| | |
|------|-------------------------------------|
| ADN | : Not regulated as a dangerous good |
| ADR | : Not regulated as a dangerous good |
| RID | : Not regulated as a dangerous good |
| IMDG | : Not regulated as a dangerous good |
| IATA | : Not regulated as a dangerous good |

14.3 Transport hazard class(es)

| | |
|------|-------------------------------------|
| ADN | : Not regulated as a dangerous good |
| ADR | : Not regulated as a dangerous good |
| RID | : Not regulated as a dangerous good |
| IMDG | : Not regulated as a dangerous good |
| IATA | : Not regulated as a dangerous good |

14.4 Packing group

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| | | |
|-------------------------|---|-----------------------------------|
| ADN | : | Not regulated as a dangerous good |
| ADR | : | Not regulated as a dangerous good |
| RID | : | Not regulated as a dangerous good |
| IMDG | : | Not regulated as a dangerous good |
| IATA (Cargo) | : | Not regulated as a dangerous good |
| IATA (Passenger) | : | Not regulated as a dangerous good |

14.5 Environmental hazards

Not regulated as a dangerous good

14.6 Special precautions for user

Not applicable

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

| | | |
|--|---|---|
| REACH - Restrictions on the manufacture, placing on the market and use of certain dangerous substances, mixtures and articles (Annex XVII) | : | Conditions of restriction for the following entries should be considered: Number on list 3 |
|--|---|---|

| | | |
|---|---|----------------|
| REACH - Candidate List of Substances of Very High Concern for Authorization (Article 59). | : | Not applicable |
|---|---|----------------|

| | | |
|---|---|----------------|
| Regulation (EC) No 1005/2009 on substances that deplete the ozone layer | : | Not applicable |
|---|---|----------------|

| | | |
|---|---|----------------|
| Regulation (EU) 2019/1021 on persistent organic pollutants (recast) | : | Not applicable |
|---|---|----------------|

| | | |
|---|---|----------------|
| REACH - List of substances subject to authorisation (Annex XIV) | : | Not applicable |
|---|---|----------------|

| | | |
|---|---|----------------|
| 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 |
|---|---|----------------|

| | | |
|------------------------------|---|---|
| Water hazard class (Germany) | : | WGK 3 highly water endangering Classification according to AwSV, Annex 1 (5.2) |
|------------------------------|---|---|

Other regulations:

Take note of Directive 94/33/EC on the protection of young people at work or stricter national

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regulations, where applicable.

If other regulatory information applies that is not already provided elsewhere in this safety data sheet, then it is described in this subsection.

15.2 Chemical Safety Assessment

Chemical Safety Assessment not required

SECTION 16: Other information

Full text of H-Statements

| | |
|--------|--|
| H301 | : Toxic if swallowed. |
| H302 | : Harmful if swallowed. |
| H304 | : May be fatal if swallowed and enters airways. |
| 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. |
| H330 | : Fatal if inhaled. |
| H335 | : May cause respiratory irritation. |
| H361 | : Suspected of damaging fertility or the unborn child. |
| H373 | : May cause damage to organs through prolonged or repeated exposure. |
| 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. |
| H412 | : Harmful to aquatic life with long lasting effects. |
| EUH071 | : Corrosive to the respiratory tract. |

Full text of other abbreviations

| | |
|---------------------|--|
| Acute Tox. | : Acute toxicity |
| Aquatic Acute | : Hazardous to the aquatic environment - acute hazard |
| Aquatic Acute | : Short-term (acute) aquatic hazard |
| Aquatic Chronic | : Hazardous to the aquatic environment - chronic hazard |
| Aquatic Chronic | : Long-term (chronic) aquatic hazard |
| Asp. Tox. | : Aspiration hazard |
| Eye Dam. | : Serious eye damage |
| Repr. | : Reproductive toxicity |
| Skin Corr. | : Skin corrosion |
| Skin Irrit. | : Skin irritation |
| Skin Sens. | : Skin sensitization |
| STOT RE | : Specific target organ toxicity - repeated exposure |
| STOT SE | : Specific target organ toxicity - single exposure |
| DE TRGS 900 | : Germany. TRGS 900 - Occupational exposure limit values. |
| TRGS 900 (DE) | : TRGS 900 - Threshold limit values in the workplace air 'Luft-grenzwerte' (Publication by the German Federal Ministry of Labour and Social Affairs) |
| DE TRGS 900 / AGW | : Time Weighted Average |
| TRGS 900 (DE) / OEL | : Occupational Exposure Limit: |

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

Other information : In addition to the information given in the safety data sheet we refer to the product specific 'Technical Information'.

Classification of the mixture:

| | |
|-------------------|------|
| Eye Dam. 1 | H318 |
| Skin Sens. 1 | H317 |
| Aquatic Chronic 3 | H412 |

Classification procedure:

| |
|-------------------------------------|
| Calculation method |
| Calculation method |
| Based on product data or assessment |

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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