

SAFETY DATA SHEET

SÜDWEST Fassaden-Öl

| | |
|---------------|---------------|
| Ref. | 130000007308/ |
| Rev. no. | 1.1 |
| Revision Date | 21.02.2019 |
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SECTION 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

1.1 Product identifier

Trade name SÜDWEST Fassaden-Öl

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

Wood coating

Uses advised against This information is not available.

1.3 Details of the supplier of the safety data sheet

SÜDWEST Lacke + Farben GmbH & Co.KG
Iggelheimer Str. 13
D - 67459 Böhl-Iggelheim
Telephone: +49 6324/709-0
Telefax: +49 6324/709-175
www.suedwest.de

E-mail address of person responsible for the SDS
European Union sdb@suedwest.de

1.4 Emergency telephone number European Union

Phone: +44 (0)1235 239 670

SECTION 2: HAZARDS IDENTIFICATION

2.1 Classification of the substance or mixture

Classification (REGULATION (EC) No 1272/2008)

Flammable liquids, H226: Flammable liquid and vapour.
Category 3

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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

Hazard statements

H226

Flammable liquid and vapour.

H319

Causes serious eye irritation.

H412

Harmful to aquatic life with long lasting effects.

Supplemental Hazard
Statements

EUH066

Repeated exposure may cause skin dryness or cracking.

Precautionary
statements

P102

Keep out of reach of children.

Prevention:

P210

Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.

P280

Wear eye protection/ face protection.

Response:

P303 + P361 + P353 IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water or shower.

P337 + P313

If eye irritation persists: Get medical advice/ attention.

P305 + P351 + P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

Disposal:

P501

Contents/container to be disposed of through approved disposal contractor or taken to municipal collection point.

Additional Labelling:

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EUH208

Contains turpentine, oil, 3-iodo-2-propynyl butylcarbamate. May produce an allergic reaction. These are preservatives.

Regulation concerning biocidal products (528/2012):

Contains 3-iodo-2-propynyl butylcarbamate . As active agents for coating protection in accordance with Biocidal Product Regulation (528/2012), Article 58(3)

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.

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS**3.2 Mixtures**

Components

| Chemical name | CAS-No. EC-No. Registration number | Classification (REGULATION (EC) No 1272/2008) | Concentration (% w/w) |
|---|---|---|--------------------------|
| Hydrocarbons, C10-C13, n-alkanes, isoalkanes, cyclics, <2% aromatics | 64742-48-9 01-2119457273-39-XXXX | Asp. Tox.1; H304 The CAS number is no longer specified in REACH registration, but still serves as identification in other areas. | ≥ 25 - < 50 |
| 2-(2-butoxyethoxy)ethanol | 112-34-5 203-961-6 01-2119475104-44-XXXX | Eye Irrit.2; H319 | ≥ 1 - < 3 |
| (ethyl-3-oxobutanoato-O'1,O'3)(2-dimethylaminoethanolato)(1-methoxypropan-2-olato)aluminium(III), | 149057-70-5 402-370-2 01-0000015213-82-XXXX | Flam. Liq.3; H226 Eye Dam.1; H318 | ≥ 1 - < 3 |

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|-------------------------------------|---|---|--------------------|
| dimerised turpentine, oil | 8006-64-2 232-350-7 01-2119502456-45- XXXX | Flam. Liq.2; H225 Acute Tox.4; H302 Acute Tox.4; H312 Acute Tox.4; H332 Skin Irrit.2; H315 Eye Irrit.2; H319 Skin Sens.1; H317 Asp. Tox.1; H304 Aquatic Chronic1; H410 | $\geq 0,5 - < 1$ |
| 3-iodo-2-propynyl butylcarbamate | 55406-53-6 259-627-5 | STOT RE1; H372 Eye Dam.1; H318 Acute Tox.3; H331 Skin Sens.1; H317 Aquatic Acute1; H400 Aquatic Chronic1; H410 Acute Tox.4; H302 M-Factor (Acute aquatic toxicity): 10 M-Factor (Chronic aquatic toxicity): 1 | $\geq 0,2 - < 0,5$ |

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 | When symptoms persist or in all cases of doubt seek medical advice. Never give anything by mouth to an unconscious person. If unconscious, place in recovery position and seek medical advice. |
| Inhalation | Move to fresh air in case of accidental inhalation of vapours or decomposition products. Keep patient warm and at rest. If breathing is irregular or stopped, administer artificial respiration. If symptoms persist, call a physician. |
| Skin contact | Take off contaminated clothing and shoes immediately. Wash skin thoroughly with soap and water or use recognized skin cleanser. Do NOT use solvents or thinners. If skin irritation persists, call a physician. |
| Eye contact | In case of eye contact, remove contact lens and rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. |

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Seek medical advice.

Ingestion
Rinse mouth with water.
If swallowed, seek medical advice immediately and show this container or label.
Keep at rest.
Do NOT induce vomiting.

4.2 Most important symptoms and effects, both acute and delayed

Symptoms No information available.

4.3 Indication of any immediate medical attention and special treatment needed

Treatment Treat symptomatically.
No information available.

SECTION 5: FIREFIGHTING MEASURES

5.1 Extinguishing media

Suitable extinguishing media CO₂, extinguishing powder or water spray. Fight larger fires with water spray or alcohol resistant foam.

Unsuitable extinguishing media High volume water jet

5.2 Special hazards arising from the substance or mixture

Fire may cause evolution of:
Carbon monoxide
Carbon dioxide (CO₂)
Nitrogen oxides (NO_x)
Exposure to decomposition products may be a hazard to health.
Cool closed containers exposed to fire with water spray.

5.3 Advice for firefighters

In the event of fire, wear self-contained breathing apparatus. Fight fire with normal precautions from a reasonable distance.

Additional advice 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

Remove all sources of ignition.
Ensure adequate ventilation.
Do not breathe vapour.
Prevent unauthorized access.

6.2 Environmental precautions

The product should not be allowed to enter drains, water courses or the soil.
If the product contaminates rivers and lakes or drains inform

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respective authorities.

6.3 Methods and material for containment and cleaning up

Contain spillage, and then collect with non-combustible absorbent material, (e.g. sand, earth, diatomaceous earth, vermiculite) and place in container for disposal according to local / national regulations (see section 13).
Clean with detergents. Avoid solvents.
Clean contaminated surface thoroughly.
Dispose of contaminated material as waste according to item 13.

6.4 Reference to other sections

Refer to protective measures listed in sections 7 and 8.

SECTION 7: HANDLING AND STORAGE

7.1 Precautions for safe handling

Advice on safe handling

Comply with the statutory regulations on health and safety at work.
Avoid formation of aerosol.
Prevent the creation of flammable or explosive concentrations of vapour in air and avoid vapour concentration higher than the occupational exposure limit values.
The product should only be used in areas from which all naked lights and other sources of ignition have been excluded.
All metal parts of the mixing and processing equipment must be earthed.
Operators should wear antistatic footwear and clothing. No sparking tools should be used.
Risk of self-combustion from drying oils on used towels/rags.

Hygiene measures

Do not breathe spray, vapour.
Take off immediately all contaminated clothing.
Avoid contact with skin, eyes and clothing.
Wash hands before breaks and immediately after handling the product.
After washing hands, replenish lost skin oil by means of oily skin ointment.
When using do not eat, drink or smoke.

7.2 Conditions for safe storage, including any incompatibilities

Requirements for storage areas and

Store in original container.
Keep container tightly closed. Never use pressure to empty:

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|---|--|
| containers | <p>container is not a pressure vessel. Nosmoking. Prevent unauthorized access. Containers which are opened must be carefully resealed and kept upright to prevent leakage. Keep in a well-ventilated place. Protect from frost, heat and sunlight.</p> |
| Advice on protection against fire and explosion | <p>Vapours are heavier than air and may spread along floors. Vapours may form explosive mixtures with air. Keep away from sources of ignition - No smoking. Take measures to prevent the build up of electrostatic charge.</p> |
| Advice on common storage | <p>Keep away from combustible materials. Keep away from food, drink and animal feedingstuffs. Keep away from oxidizing agents and strongly acid or alkaline materials.</p> |
| 7.3 Specific end use(s) | For further information, see also Technical Data Sheet for the product. |

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION**8.1 Control parameters****Exposure limit(s)**

| Components | | CAS-No. |
|---------------------------|---------------------------|-------------------------|
| Basis | Type: | Control parameters |
| 2-(2-butoxyethoxy)ethanol | | 112-34-5 |
| 2006/15/EC | Short term exposure limit | 101,2 mg/m ³ |
| 2006/15/EC | Short term exposure limit | 15 ppm |
| Additional advice: | Indicative | |
| 2006/15/EC | Limit Value - eight hours | 67,5 mg/m ³ |
| 2006/15/EC | Limit Value - eight hours | 10 ppm |
| Additional advice: | Indicative | |

The lists that were valid during the creation were used as basis.

8.2 Exposure controls**Appropriate engineering controls**

Provide adequate ventilation. Where reasonably practicable this should be achieved by the use of local exhaust ventilation and good general extraction. If these are not sufficient to maintain concentrations of particulates solvent vapour below the occupational exposure limit values, suitable respiratory - protection must be worn.

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Washing facilities / water for rinsing eyes and skin should be available.

Individual protection measures, such as personal protective equipment

a) Eye/face protection Safety glasses with side-shields conforming to EN166

b) Skin protection
Hand protection

Recommended preventive skin protection
Before starting work, apply water-resistant skincare preparations to exposed skin areas.
Protective gloves should be worn in case of skin contact during preparation and application.

Break through time: 480 min
Minimum thickness: 0,4 mm
Gloves made of nitrile rubber, e.g. KCL 730 Camatril® Velours (Kächele-Cama-Latex GmbH, Hotline: 0049(0)6659-87-300, kcl-uk@kcl.de), or equivalent.
Skin that comes into contact with the product should be treated with protective cream. After such contact, the product concerned should under no circumstances be used.

The selected protective gloves have to satisfy the specifications of Regulation (EU) 2016/425 and the standard EN 374 derived from it.
The choice of an appropriate glove does not only depend on its material but also on other quality features and is different from one producer to the other.

Body Protection

Preventive skin protection
Long sleeved clothing
Personal should wear antistatic clothings made of natural fiber or of high temperature resistant synthetic fiber. All parts of the body should be washed after contact.

c) Respiratory protection

When workers are facing concentrations above the occupational exposure limit values they must use appropriate certified respirators.
Breathing protection equipment required in inadequately ventilated places and during spraying.
In order to avoid inhalation of spray-mist and sanding dust, all spraying and sanding must be done wearing adequate respirator.
Combination filter A-P2
Respiratory protection complying with EN 14387.

Environmental exposure controls

General advice

The product should not be allowed to enter drains, water courses or the soil.
If the product contaminates rivers and lakes or drains

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inform respective authorities.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties

| | |
|---|------------------------------------|
| Appearance | liquid |
| Colour | various |
| Odour | characteristic |
| Odour Threshold | No data available |
| pH | No data available |
| Melting point/freezing point | No data available |
| Initial boiling point and boiling range | 186 °C |
| Flash point | 51 °C Method: closed cup |
| Evaporation rate | not applicable |
| Flammability (solid, gas) | not applicable |
| Upper explosion limit / Upper flammability limit | 10,4 %(V) Upper explosion limit |
| Lower explosion limit / Lower flammability limit | 1,4 %(V) Lower explosion limit |
| Vapour pressure | 0,7 hPa (20 °C) |
| Vapour density | No data available |
| Density | ca. 0,93 g/cm ³ (20 °C) |
| Solubility(ies) Water solubility | No data available |
| Partition coefficient: n- octanol/water | not determined |
| Auto-ignition temperature | not auto-flammable |
| Decomposition | No data available |

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temperature

Viscosity

Viscosity, dynamic No data available

Viscosity, kinematic ca. 91 mm²/s (40 °C)

Explosive properties Not explosive
In use may form flammable/explosive vapour-air mixture.

Oxidizing properties Not applicable

9.2 Other information

Flow time No data available

SECTION 10: STABILITY AND REACTIVITY

10.1 Reactivity

No dangerous reaction known under conditions of normal use.

10.2 Chemical stability

Stable under normal conditions.

10.3 Possibility of hazardous reactions

Hazardous reactions No dangerous reaction known under conditions of normal use.
Vapours may form explosive mixture with air.

10.4 Conditions to avoid

Conditions to avoid Direct sources of heat.
Strong sunlight for prolonged periods.

10.5 Incompatible materials

Materials to avoid Strong acids and strong bases
Strong oxidizing agents

10.6 Hazardous decomposition products

Hazardous decomposition products No decomposition if stored and applied as directed.
Decomposition temperature No data available

SECTION 11: TOXICOLOGICAL INFORMATION

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11.1 Information on toxicological effects

Acute toxicity

Product:

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

Acute inhalation toxicity Acute toxicity estimate: > 20 mg/l
Exposure time: 4 h
Test atmosphere: vapour
Method: Calculation method

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

Components:

turpentine, oil:

Acute oral toxicity Harmful if swallowed.

Acute inhalation toxicity Harmful if inhaled.

Acute dermal toxicity Harmful in contact with skin.

3-iodo-2-propynyl butylcarbamate:

Acute oral toxicity Harmful if swallowed.

Acute inhalation toxicity LC50 (Rat): 3 mg/l
Exposure time: 4 h
Test atmosphere: vapour

Skin corrosion/irritation

Product:

Repeated exposure may cause skin dryness or cracking.

Components:

Hydrocarbons, C10-C13, n-alkanes, isoalkanes, cyclics, <2% aromatics:

Repeated exposure may cause skin dryness or cracking.

turpentine, oil:

Causes skin irritation.

Serious eye damage/eye irritation

Product:

Causes serious eye irritation.

Components:

2-(2-butoxyethoxy)ethanol:

Causes serious eye irritation.

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(ethyl-3-oxobutanoato-O'1,O'3)(2-dimethylaminoethanolato)(1-methoxypropan-2-olato)aluminium(III), dimerised:

Causes serious eye damage.

turpentine, oil:

Causes serious eye irritation.

3-iodo-2-propynyl butylcarbamate:

Causes serious eye damage.

Respiratory or skin sensitisation

Product:

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

Components:

turpentine, oil:

May cause an allergic skin reaction.

3-iodo-2-propynyl butylcarbamate:

May cause an allergic skin reaction.

Germ cell mutagenicity

Product:

Genotoxicity in vitro

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

Carcinogenicity

Product:

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

Reproductive toxicity

Product:

Effects on fertility

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

Developmental Toxicity

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

STOT - single exposure

Product:

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

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STOT - repeated exposure

Product:

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

Components:

3-iodo-2-propynyl butylcarbamate:

| | |
|-----------------|---|
| Exposure routes | Inhalation |
| Target Organs | larynx |
| Assessment | Causes damage to organs through prolonged or repeated exposure. |

Aspiration toxicity

Product:

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

Components:

Hydrocarbons, C10-C13, n-alkanes, isoalkanes, cyclics, <2% aromatics:

May be fatal if swallowed and enters airways.

turpentine, oil:

May be fatal if swallowed and enters airways.

Experience with human exposure

Product:

| | |
|---------------------|--|
| General Information | Exposure to component solvent vapours concentration in excess of the stated occupational exposure limit may result in adverse health effects. Such as: mucous membrane irritation, respiratory system irritation, adverse effects on kidney, liver and central nervous system. Symptoms and signs: headache, dizziness, fatigue, muscular weakness, drowsiness and in extreme cases loss of consciousness. Long-term or repeated contact with the product leads to degreasing of the skin and can cause nonallergenic contact skin damage (contact dermatitis) and / or the resorption of substances. |
|---------------------|--|

Solvent sprays can cause irritation and reversible damage to the eye.

Further information

Product:

The product itself has not been tested. The mixture is classified in accordance with Annex I to EC Directive 1272/2008. (See sections 2 and 3 for details).

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SECTION 12: ECOLOGICAL INFORMATION

12.1 Toxicity

Product:

Toxicity to fish No data available

Components:

3-iodo-2-propynyl butylcarbamate :

Toxicity to fish LC50 (Oncorhynchus mykiss (rainbow trout)): 0,067 mg/l
Exposure time: 96 h
Method: OECD Test Guideline 203

Toxicity to daphnia and other aquatic invertebrates EC50 (Daphnia magna (Water flea)): 0,16 mg/l
Exposure time: 48 h
Method: OECD Test Guideline 202

Toxicity to algae/aquatic plants EC50 (Pseudokirchneriella subcapitata (green algae)): 0,049 mg/l
Exposure time: 72 h
Method: OECD Test Guideline 201

NOEC (Pseudokirchneriella subcapitata (green algae)): 0,0046 mg/l
Exposure time: 72 h
Method: OECD Test Guideline 201

M-Factor (Acute aquatic toxicity) 10

Toxicity to fish (Chronic toxicity) NOEC: 0,0084 mg/l
Exposure time: 35 d
Species: Pimephales promelas (fathead minnow)

Toxicity to daphnia and other aquatic invertebrates (Chronic toxicity) NOEC: 0,010 mg/l
Exposure time: 21 d
Species: Daphnia (water flea)
Method: OECD Test Guideline 211

M-Factor (Chronic aquatic toxicity) 1

12.2 Persistence and degradability

Product:

Biodegradability No data available

Components:

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turpentine, oil :

Biodegradability

Result: rapidly degradable

Biodegradation: 76 %

Exposure time: 28 d

Method: OECD Test Guideline 301D

3-iodo-2-propynyl butylcarbamate :

Biodegradability

Result: rapidly degradable

12.3 Bioaccumulative potential**Product:**

Bioaccumulation

No data available

Components:**2-(2-butoxyethoxy)ethanol :**Partition coefficient: n-
octanol/water

log Pow: 0,56

turpentine, oil :

Bioaccumulation

Due to the distribution coefficient n-octanol/water,
accumulation in organisms is possible.Partition coefficient: n-
octanol/water

log Pow: > 3

3-iodo-2-propynyl butylcarbamate :Partition coefficient: n-
octanol/water

log Pow: 2,8

12.4 Mobility in soil**Product:**

Mobility

No data available

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 Other adverse effects****Product:**

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Additional ecological
information

Do not allow product to enter into ground water, bodies
of water or sewage systems.

SECTION 13: DISPOSAL CONSIDERATIONS

13.1 Waste treatment methods

| | |
|----------------------------------|--|
| Product | <p>The user is responsible for proper coding and marking of any waste.</p> <p>When used as recommended, the waste code can be selected according to the code of the European Waste Catalogue (EWC), category 17.09 "Other Construction and Demolition Waste"</p> <p>Partial and residual quantities can be reused.</p> <p>Fluid remains constitute hazardous waste and should not be poured into the sewage system. They should be taken to a local waste disposal site.</p> |
| Contaminated packaging | <p>Packaging that is not properly emptied must be disposed of as the unused product.</p> <p>Empty packaging should be recycled through disposal systems.</p> |
| Waste key for the unused product | <p>08 01 11* waste paint and varnish containing organic solvents or other hazardous substances</p> <p>(*) hazardous waste in terms of the European directive 2008/98/EG</p> |

SECTION 14: TRANSPORT INFORMATION

14.1 UN number

| | |
|------|------|
| ADR | 1263 |
| IMDG | 1263 |
| IATA | 1263 |

14.2 UN proper shipping name

| | |
|------|-------|
| ADR | PAINT |
| IMDG | PAINT |
| IATA | Paint |

14.3 Transport hazard class(es)

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ADR 3

IMDG 3

IATA 3

14.4 Packing group

ADR

Packing group III

Classification Code F1

Hazard Identification
Number 30

Labels 3

Tunnel restriction code (D/E)

IMDG

Packaging group III

Labels 3

EmS number F-E, S-E

IATA

Packaging group III

Labels 3

14.5 Environmental hazards

ADR

Environmentally hazardous no

IMDG

Marine pollutant no

14.6 Special precautions for user

Remarks This information is not available.

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14.7 Transport in bulk according to Annex II of Marpol and the IBC Code

Remarks Not applicable

Additional advice

ADR ADR: Packages < 450l: No dangerous goods (ADR 2.2.3.1.5)
IMDG IMDG: Packages < 30l: No dangerous goods (IMDG 2.3.2.5).

SECTION 15: REGULATORY INFORMATION

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

VOC
Directive 2010/75/EU 39,3 %

VOC
Directive 2004/42/EC 41,7 %
363,1 g/l

EU limit value for this product (cat. A/e) :400 g/lThis product contains max400 g/IVOC.

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

Other regulations Comply with the statutory regulations on health and safety at work.

Take note of Dir 94/33/EC on the protection of young people at work.
Take note of Dir 92/85/EEC on the safety and health at work of pregnant workers.

15.2 Chemical safety assessment

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This information is not available.

SECTION 16: OTHER INFORMATION

Changes from the previous version are indicated by markings in the left-hand margin.

The information in this Safety Data Sheet corresponds to our present state of knowledge and conforms to both national and EU legislation. The user's working conditions are, however, beyond our knowledge and control. The user is responsible for complying with all necessary legal requirements. The information in this Safety Data Sheet describes the safety requirements of our product and does not constitute any assurance of product properties.

Full text of H-Statements

| | |
|------|--|
| H225 | : Highly flammable liquid and vapour. |
| H226 | : Flammable liquid and vapour. |
| H302 | : Harmful if swallowed. |
| H304 | : May be fatal if swallowed and enters airways. |
| H312 | : Harmful in contact with skin. |
| H315 | : Causes skin irritation. |
| H317 | : May cause an allergic skin reaction. |
| H318 | : Causes serious eye damage. |
| H319 | : Causes serious eye irritation. |
| H331 | : Toxic if inhaled. |
| H332 | : Harmful if inhaled. |
| H372 | : Causes damage to organs through prolonged or repeated exposure if inhaled. |
| H400 | : Very toxic to aquatic life. |
| H410 | : Very toxic to aquatic life with long lasting effects. |

Full text of other abbreviations

| | |
|-----------------|--|
| Acute Tox. | : Acute toxicity |
| Aquatic Acute | : Short-term (acute) aquatic hazard |
| Aquatic Chronic | : Long-term (chronic) aquatic hazard |
| Asp. Tox. | : Aspiration hazard |
| Eye Dam. | : Serious eye damage |
| Eye Irrit. | : Eye irritation |
| Flam. Liq. | : Flammable liquids |
| Skin Irrit. | : Skin irritation |
| Skin Sens. | : Skin sensitisation |
| STOT RE | : Specific target organ toxicity - repeated exposure |

ADN - European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways; ADR - European Agreement concerning the International Carriage of Dangerous Goods by Road; AICS - Australian Inventory of Chemical Substances; 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

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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; 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

The assessment was carried out in accordance with Article 6 (5) and Appendix I of EC Directive no. 1272/2008.

It is possible in the interim period that you may find different markings on packaging compared to the Material Safety Data Sheet until stocks have been used up. We ask for your understanding in this matter.

Department issuing
MSDS
REG_EU / EN

sdb@suedwest.de

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