

SÜDWEST All-Grund Mix

hazard, Category 2

2.2 Label elements**Labelling (REGULATION (EC) No 1272/2008)**

Hazard pictograms



Signal word	:	Warning
Hazard statements	:	H226 Flammable liquid and vapour. H317 May cause an allergic skin reaction. H411 Toxic 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. P261 Avoid breathing vapours. P280 Wear protective gloves. Response: P302 + P352 IF ON SKIN: Wash with plenty of soap and water. P333 + P313 If skin irritation or rash occurs: Get medical advice/attention. P362 + P364 Take off contaminated clothing and wash it before reuse. Disposal: P501 Contents/container to be disposed of through approved disposal contractor or taken to municipal collection point.

Hazardous components which must be listed on the label:

Reaction mass of Bis(1,2,2,6,6-pentamethyl-4-piperidyl) sebacate and Methyl 1,2,2,6,6-pentamethyl-4-piperidyl sebacate

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.

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

Chemical name	CAS-No. EC-No. Index-No. Registration number	Classification	Concentration (% w/w)
Hydrocarbons, C10-C13, n-alkanes, isoalkanes, cyclics, <2% aromatics	64742-48-9 649-327-00-6	Asp. Tox. 1; H304 EUH066, Note P	≥ 10 - < 20

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	01-2119457273-39-XXXX		
trizinc bis(orthophosphate)	7779-90-0 231-944-3 030-011-00-6 01-2119485044-40-XXXX	Aquatic Acute 1; H400 Aquatic Chronic 1; H410 M-Factor (Acute aquatic toxicity): 1 M-Factor (Chronic aquatic toxicity): 1	≥ 2,5 - < 10
Hydrocarbons, C9-C11, n-alkanes, isoalkanes, cyclics, <2% aromatics	64742-48-9 01-2119463258-33-XXXX	Asp. Tox. 1; H304 Flam. Liq. 3; H226 STOT SE 3; H336 EUH066, Note P	≥ 1 - < 10
Hydrocarbons, C9-C10, n-alkanes, isoalkanes, cyclics, <2% aromatics	64742-48-9 01-2119471843-32-XXXX	Flam. Liq. 3; H226 STOT SE 3; H336 (Central nervous system) Asp. Tox. 1; H304 Aquatic Chronic 3; H412 EUH066, Note P	≥ 2,5 - < 10
zinc oxide	1314-13-2 215-222-5 030-013-00-7 01-2119463881-32-XXXX	Aquatic Acute 1; H400 Aquatic Chronic 1; H410 M-Factor (Acute aquatic toxicity): 1 M-Factor (Chronic aquatic toxicity): 1	≥ 2,5 - < 10
Reaction mass of Bis(1,2,2,6,6-pentamethyl-4-piperidyl) sebacate and Methyl 1,2,2,6,6-pentamethyl-4-piperidyl sebacate	1065336-91-5 01-2119491304-40-XXXX	Aquatic Chronic 1; H410 Aquatic Acute 1; H400 Skin Sens. 1A; H317 Repr. 2; H361f M-Factor (Acute aquatic toxicity): 1 M-Factor (Chronic aquatic toxicity): 1	≥ 0,1 - < 0,25

For explanation of abbreviations see section 16.

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

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	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. 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 respective authorities.

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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.

Hygiene measures

Do not breathe spray, vapour.
Take off all contaminated clothing immediately.
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 containers

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

Advice on protection against fire and explosion

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.

Advice on common storage

Keep away from combustible materials.
Keep away from food, drink and animal feedingstuffs.
Keep away from oxidizing agents and strongly acid or alkaline materials.

7.3 Specific end use(s)

For further information, see also Technical Data Sheet for the product.

SÜDWEST All-Grund Mix**SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION****8.1 Control parameters****Occupational Exposure Limits**

Contains no substances with occupational exposure limit values.

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

Monitoring procedures for the assessment of workplace exposure: standard EN 482

8.2 Exposure controls**Engineering measures**

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.

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

Personal protective equipment

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

Hand protection

Material : Nitrile rubber

Break through time : 480 min

Glove thickness : 0,4 mm

Remarks : 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.

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.

Skin and 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.

Respiratory protection : When workers are facing concentrations above the occupational

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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

- Air : Avoid release to the environment.
- Soil : Avoid subsoil penetration.
- Water : Do not flush into surface water or sanitary sewer system.
If the product contaminates rivers and lakes or drains inform respective authorities.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES**9.1 Information on basic physical and chemical properties**

- Physical state : liquid
- Colour : various
- Odour : characteristic
- Odour Threshold : No data available
- Melting point/freezing point : not determined
- Initial boiling point and boiling range : 140 °C

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Upper explosion limit / Upper
flammability limit : 7 %(V)
Medium: Upper explosion limit

Lower explosion limit / Lower
flammability limit : 0,6 %(V)
Medium: Lower explosion limit

Flash point : 37 °C

Decomposition temperature : No data available

pH : not determined

Viscosity
Viscosity, dynamic : ca. 160 mPa.s (40 °C)

Viscosity, kinematic : ca. 110,5 mm²/s (40 °C)

Flow time : > 90 s at 20 °C
Cross section: 4 mm
Method: ISO 2431

Solubility(ies)
Water solubility : insoluble

Partition coefficient: n-
octanol/water : not determined

Vapour pressure : 10 hPa (20 °C)

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Density : ca. 1,45 g/cm³

Relative vapour density : not determined

9.2 Other information

Explosives : Not explosive
In use may form flammable/explosive vapour-air mixture.

Oxidizing properties : Not applicable

Flammability (liquids) : Not applicable

Self-ignition : not auto-flammable

Evaporation rate : not determined

Solvent separation : 3 %(V)

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

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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

No decomposition if stored and applied as directed.

SECTION 11: TOXICOLOGICAL INFORMATION**11.1 Information on hazard classes as defined in Regulation (EC) No 1272/2008****Acute toxicity****Product:**

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

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

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

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.

Hydrocarbons, C9-C11, n-alkanes, isoalkanes, cyclics, <2% aromatics:**Method**

OECD Test Guideline 404

Repeated exposure may cause skin dryness or cracking.

Hydrocarbons, C9-C10, n-alkanes, isoalkanes, cyclics, <2% aromatics:

Repeated exposure may cause skin dryness or cracking.

Serious eye damage/eye irritation**Product:**

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

Respiratory or skin sensitisation**Product:**

May cause an allergic skin reaction.

Does not cause respiratory sensitisation.

Components:**Reaction mass of Bis(1,2,2,6,6-pentamethyl-4-piperidyl) sebacate and Methyl 1,2,2,6,6-pentamethyl-4-piperidyl sebacate:****Method**

OECD Test Guideline 406

May cause an allergic skin reaction.

Germ cell mutagenicity**Product:**

Genotoxicity in vitro

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

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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.

Components:**Reaction mass of Bis(1,2,2,6,6-pentamethyl-4-piperidyl) sebacate and Methyl 1,2,2,6,6-pentamethyl-4-piperidyl sebacate:**

Effects on fertility

Suspected of damaging fertility.

STOT - single exposure**Product:**

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

Components:**Hydrocarbons, C9-C11, n-alkanes, isoalkanes, cyclics, <2% aromatics:**

Assessment

May cause drowsiness or dizziness.

Hydrocarbons, C9-C10, n-alkanes, isoalkanes, cyclics, <2% aromatics:

Assessment

May cause drowsiness or dizziness.

STOT - repeated exposure**Product:**

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

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.

Hydrocarbons, C9-C11, n-alkanes, isoalkanes, cyclics, <2% aromatics:

May be fatal if swallowed and enters airways.

Hydrocarbons, C9-C10, n-alkanes, isoalkanes, cyclics, <2% aromatics:

May be fatal if swallowed and enters airways.

Toxicology, Metabolism, Distribution**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).

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.

Experience with human exposure**Product:**

General Information

Exposure to component solvent vapours concentration in excess of

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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:****Remarks**

: 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).

SECTION 12: ECOLOGICAL INFORMATION**12.1 Toxicity****Product:**

Toxicity to fish

No data available

Components:**trizinc bis(orthophosphate):**

Toxicity to fish

LC50 (Oncorhynchus mykiss (rainbow trout)): 0,33 - 6,06 mg/l
Exposure time: 96 h

Toxicity to daphnia and other aquatic invertebrates

EC50 (Daphnia magna (Water flea)): > 2,34 mg/l
Exposure time: 48 h

Toxicity to algae/aquatic plants

EC50 (Scenedesmus capricornutum (fresh water algae)): 0,32 mg/l
Exposure time: 72 h

M-Factor (Acute aquatic toxicity)

1

M-Factor (Chronic aquatic toxicity)

1

zinc oxide:

Toxicity to fish

LC50 (Pimephales promelas (fathead minnow)): 0,5 mg/l
Exposure time: 96 h
Test Type: static test

M-Factor (Acute aquatic toxicity)

1

Toxicity to fish (Chronic toxicity)

NOEC: 0,08 mg/l
Exposure time: 21 d
Species: Oncorhynchus mykiss (rainbow trout)

M-Factor (Chronic aquatic toxicity)

1

Reaction mass of Bis(1,2,2,6,6-pentamethyl-4-piperidyl) sebacate and Methyl 1,2,2,6,6-pentamethyl-4-piperidyl sebacate:

Toxicity to fish

LC50 (Lepomis macrochirus (Bluegill sunfish)): 0,97 mg/l
Exposure time: 96 h

Toxicity to algae/aquatic plants

EC50 (Desmodesmus subspicatus (green algae)): 1,68 mg/l
Exposure time: 72 h
Method: OECD Test Guideline 201

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M-Factor (Acute aquatic toxicity)	1
Toxicity to microorganisms	EC50 (activated sludge): > 100 mg/l Exposure time: 3 h Method: OECD Test Guideline 209
Toxicity to daphnia and other aquatic invertebrates (Chronic toxicity)	NOEC: 1 mg/l Exposure time: 21 d Species: Daphnia magna (Water flea) Method: OECD Test Guideline 211
M-Factor (Chronic aquatic toxicity)	1

12.2 Persistence and degradability**Product:**

Biodegradability No data available

Components:**Hydrocarbons, C9-C11, n-alkanes, isoalkanes, cyclics, <2% aromatics:**Biodegradability rapidly degradable
Biodegradation: 80 %
Exposure time: 28 d**Reaction mass of Bis(1,2,2,6,6-pentamethyl-4-piperidyl) sebacate and Methyl 1,2,2,6,6-pentamethyl-4-piperidyl sebacate:**Biodegradability Test Type: aerobic
not rapidly degradable
Biodegradation: 38 %
Exposure time: 28 d
Method: OECD Test Guideline 301F**12.3 Bioaccumulative potential****Product:**

Bioaccumulation No data available

Components:**trizinc bis(orthophosphate):**

Bioaccumulation Does not bioaccumulate.

Hydrocarbons, C9-C10, n-alkanes, isoalkanes, cyclics, <2% aromatics:

Partition coefficient: n-octanol/water log Pow: > 4

zinc oxide:

Bioaccumulation Bioaccumulation is unlikely.

Reaction mass of Bis(1,2,2,6,6-pentamethyl-4-piperidyl) sebacate and Methyl 1,2,2,6,6-pentamethyl-4-piperidyl sebacate:

Bioaccumulation Bioaccumulation is unlikely.

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..

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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.

12.7 Other adverse effects**Product:**

Additional ecological information Do not use in the direct vicinity of bodies of water. Do not allow the agent or any product residues to enter into waters, the soil or the sewage system.
Even small quantities emptied into the soil can affect the quality of drinking water.
Toxic to aquatic life with long lasting effects.

SECTION 13: DISPOSAL CONSIDERATIONS**13.1 Waste treatment methods**

Product The user is responsible for proper coding and marking of any waste. 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"
Partial and residual quantities can be reused.
Fluid remains constitute hazardous waste and should not be poured into the sewage system. They should be taken to a local waste disposal site.

Contaminated packaging Packaging that is not properly emptied must be disposed of as the unused product.
Empty packaging should be recycled through disposal systems.

Waste key for the unused product 08 01 11* waste paint and varnish containing organic solvents or other hazardous substances

(*) hazardous waste in terms of the European directive 2008/98/EG

SECTION 14: TRANSPORT INFORMATION**14.1 UN number or ID number**

ADR 1263

IMDG 1263

IATA 1263

14.2 UN proper shipping name

ADR PAINT

IMDG PAINT

(zinc oxide, trizinc bis(orthophosphate))

IATA Paint

14.3 Transport hazard class(es)

ADR 3

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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 : yes

IMDG

Marine pollutant : yes

14.6 Special precautions for user

Remarks This information is not available.

14.7 Maritime transport in bulk according to IMO instruments

Remarks Not applicable

Additional advice

ADR ADR: Packages < 5 l: No dangerous goods (ADR 2.2.3.1.5).

IMDG IMDG: Packages < 5 l: 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

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Directive 2010/75/EU 23,7 %

VOC
Directive 2004/42/EC 23,6 %
341,7 g/l

EU limit value for this product (cat. A/i) :500 g/l This product contains
max500 g/IVOC.

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

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

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

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

H226 : Flammable liquid and vapour.
H304 : May be fatal if swallowed and enters airways.
H317 : May cause an allergic skin reaction.
H336 : May cause drowsiness or dizziness.
H361f : Suspected of damaging fertility.
H400 : Very toxic to aquatic life.
H410 : Very toxic to aquatic life with long lasting effects.
H412 : Harmful to aquatic life with long lasting effects.

Full text of other abbreviations

Aquatic Acute : Short-term (acute) aquatic hazard
Aquatic Chronic : Long-term (chronic) aquatic hazard
Asp. Tox. : Aspiration hazard
Flam. Liq. : Flammable liquids
Repr. : Reproductive toxicity

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Skin Sens. : Skin sensitisation
STOT SE : Specific target organ toxicity - single exposure

ADN - European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways; ADR - Agreement concerning the International Carriage of Dangerous Goods by Road; AIIC - Australian Inventory of Industrial Chemicals; ASTM - American Society for the Testing of Materials; bw - Body weight; CLP - Classification Labelling Packaging Regulation; Regulation (EC) No 1272/2008; CMR - Carcinogen, Mutagen or Reproductive Toxicant; DIN - Standard of the German Institute for Standardisation; DSL - Domestic Substances List (Canada); ECHA - European Chemicals Agency; EC-Number - European Community number; ECx - Concentration associated with x% response; ELx - Loading rate associated with x% response; EmS - Emergency Schedule; ENCS - Existing and New Chemical Substances (Japan); ErCx - Concentration associated with x% growth rate response; GHS - Globally Harmonised 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 Organisation; ISHL - Industrial Safety and Health Law (Japan); ISO - International Organisation for Standardisation; 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 - Organisation 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; TECl - 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

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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