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3, Respiratory system

Long-term (chronic) aquatic hazard, Category 2 H411: Toxic 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.
H335 May cause respiratory irritation.
H411 Toxic to aquatic life with long lasting effects.

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 protective gloves/ eye protection/ face protection.
P284 Wear respiratory protection.
Response:
P303 + P361 + P353 IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water or shower.
P312 Call a POISON CENTER/doctor if you feel unwell.
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:

Hydrocarbons, C9, aromatics

Additional Labelling:

EUH208

Contains Reaction mass of Bis(1,2,2,6,6-pentamethyl-4-piperidyl) sebacate and Methyl 1,2,2,6,6-pentamethyl-4-piperidyl sebacate, phthalic anhydride. May produce an

SÜDWEST All-Grund

II allergic reaction.

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**

Chemical nature Alkyd resin based paint.

Hazardous components

| Chemical name | CAS-No. EC-No. Registration number | Classification (REGULATION (EC) No 1272/2008) | Concentration (% w/w) |
|--|---|---|--------------------------|
| Hydrocarbons, C9, aromatics | 64742-95-6 01-2119455851-35- XXXX | Asp. Tox.1; H304 Flam. Liq.3; H226 STOT SE3; H335, H336 Aquatic Chronic2; H411 Note H (Table 3.1), Note P The CAS number is no longer specified in REACH registration, but still serves as identification in other areas. | ≥ 10 - < 15 |
| xylene (mixture of isomers) | 1330-20-7 215-535-7 01-2119488216-32- XXXX | Flam. Liq.3; H226 Acute Tox.4; H332 Acute Tox.4; H312 Skin Irrit.2; H315 Eye Irrit.2; H319 STOT SE3; H335 STOT RE2; H373 Asp. Tox.1; H304 | ≥ 7,5 - < 10 |
| trizinc bis(orthophosphate) | 7779-90-0 231-944-3 01-2119485044-40- XXXX | Aquatic Acute1; H400 Aquatic Chronic1; H410 | ≥ 2,5 - < 5 |
| Hydrocarbons, C9- C10, n-alkanes, isoalkanes, cyclics, | 64742-48-9 01-2119471843-32- | Flam. Liq.3; H226 STOT SE3; H336 Asp. Tox.1; H304 | ≥ 1 - < 2,5 |

SÜDWEST All-Grund

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| <2% aromatics | XXXX | Aquatic Chronic3; H412 Note P The CAS number is no longer specified in REACH registration, but still serves as identification in other areas. | |
| ethylbenzene | 100-41-4 202-849-4 01-2119489370-35-XXXX | Flam. Liq.2; H225 Asp. Tox.1; H304 Acute Tox.4; H332 STOT RE2; H373 Aquatic Chronic3; H412 | ≥ 1 - < 2,5 |
| zinc oxide | 1314-13-2 215-222-5 01-2119463881-32-XXXX | Aquatic Acute1; H400 Aquatic Chronic1; H410 | ≥ 0,25 - < 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 | 915-687-0 01-2119491304-40-XXXX | Aquatic Chronic1; H410 Aquatic Acute1; H400 Skin Sens.1; H317 | ≥ 0,1 - < 0,25 |
| phthalic anhydride | 85-44-9 201-607-5 01-2119457017-41-XXXX | Acute Tox.4; H302 STOT SE3; H335 Skin Irrit.2; H315 Eye Dam.1; H318 Resp. Sens.1; H334 Skin Sens.1; H317 | ≥ 0,1 - < 1 |
| Substances with a workplace exposure limit : | | | |
| (2-methoxymethylethoxy) propanol | 34590-94-8 252-104-2 01-2119450011-60-XXXX | WEL substance, Not a dangerous substance according to GHS. | ≥ 1 - < 2,5 |

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.

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| | 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. 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.

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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.

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

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sparking tools should be used.

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 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.
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.
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.

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

| Components | | CAS-No. |
|-----------------------------|---|-----------------------|
| Basis | Type: | Control parameters |
| xylene (mixture of isomers) | | 1330-20-7 |
| 2000/39/EC | Limit Value - eight hours | 221 mg/m ³ |
| 2000/39/EC | Limit Value - eight hours | 50 ppm |
| Additional advice: | Identifies the possibility of significant uptake through the skin Indicative | |

SÜDWEST All-Grund

| | | |
|----------------------------------|---|-----------------------|
| 2000/39/EC | Short term exposure limit | 442 mg/m ³ |
| 2000/39/EC | Short term exposure limit | 100 ppm |
| Additional advice: | Identifies the possibility of significant uptake through the skin Indicative | |
| (2-methoxymethylethoxy) propanol | | 34590-94-8 |
| 2000/39/EC | Limit Value - eight hours | 308 mg/m ³ |
| 2000/39/EC | Limit Value - eight hours | 50 ppm |
| Additional advice: | Identifies the possibility of significant uptake through the skin Indicative | |
| ethylbenzene | | 100-41-4 |
| 2000/39/EC | Limit Value - eight hours | 442 mg/m ³ |
| 2000/39/EC | Limit Value - eight hours | 100 ppm |
| Additional advice: | Identifies the possibility of significant uptake through the skin Indicative | |
| 2000/39/EC | Short term exposure limit | 884 mg/m ³ |
| 2000/39/EC | Short term exposure limit | 200 ppm |
| Additional advice: | Identifies the possibility of significant uptake through the skin 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. 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-

SÜDWEST All-Grund

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 EU Directive 89/686/EEC 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 synthehic fiber. All parts of the body should be washed after contact. |
| c) Respiratory protection | For brief exposure or low level concentrations use a respiratory filter; for more intense or longer exposure use a self-contained respiratory protective device. Respiratory filter for brief exposure: 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 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 | not determined |
| Melting point/freezing point | No data available |
| Initial boiling point and boiling range | 140 °C |

SÜDWEST All-Grund

| | |
|---|--|
| Flash point | 36,9 °C |
| Evaporation rate | not determined |
| Flammability (solid, gas) | not applicable |
| Upper explosion limit / Upper flammability limit | 7,0 %(V) Upper explosion limit |
| Lower explosion limit / Lower flammability limit | 0,8 %(V) Lower explosion limit |
| Vapour pressure | 5 hPa (20 °C) |
| Vapour density | No data available |
| Density | ca. 1,458 g/cm ³ |
| Solubility(ies) Water solubility | insoluble |
| Partition coefficient: n- octanol/water | not determined |
| Auto-ignition temperature | 450 °C |
| Decomposition temperature | No data available |
| Viscosity Viscosity, dynamic | No data available |
| Viscosity, kinematic | ca. 130,3 mm ² /s (40 °C) |
| Explosive properties | Not explosive In use may form flammable/explosive vapour-air mixture. |
| Oxidizing properties | Not applicable |

9.2 Other information

| | |
|---------------|--|
| Self-ignition | not auto-flammable |
| Flow time | > 90 s at 20 °C Cross section: 4 mm Method: ISO 2431 |

SÜDWEST All-Grund**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**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 | Acute toxicity estimate: > 2.000 mg/kg Method: Calculation method |
|-----------------------|--|

Components:**|| xylene (mixture of isomers):**

| | |
|---------------------------|---------------------|
| Acute inhalation toxicity | LC50 (Rat): 11 mg/l |
|---------------------------|---------------------|

SÜDWEST All-Grund

Exposure time: 4 h
Test atmosphere: vapour

Acute dermal toxicity Harmful in contact with skin.

|| ethylbenzene:
Acute inhalation toxicity Harmful if inhaled.

|| phthalic anhydride:
Acute oral toxicity LD50 (Rat): 1.530 mg/kg

Skin corrosion/irritation
Product:

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

Components:
|| Hydrocarbons, C9, aromatics:
Repeated exposure may cause skin dryness or cracking.

|| xylene (mixture of isomers):
Causes skin irritation.

|| Hydrocarbons, C9-C10, n-alkanes, isoalkanes, cyclics, <2% aromatics:
Repeated exposure may cause skin dryness or cracking.

|| phthalic anhydride:
Causes skin irritation.

Serious eye damage/eye irritation
Product:

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

Components:
|| xylene (mixture of isomers):
Causes serious eye irritation.

|| phthalic anhydride:
Causes serious eye damage.

SÜDWEST All-Grund

Respiratory or skin sensitisation

Product:

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:

Method

OECD Test Guideline 406

May cause an allergic skin reaction.

|| phthalic anhydride:

May cause an allergic skin reaction.

May cause allergy or asthma symptoms or breathing difficulties if inhaled.

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:

Assessment

May cause respiratory irritation.

Components:

|| Hydrocarbons, C9, aromatics:

Exposure routes

Inhalation

Assessment

May cause respiratory irritation., May cause drowsiness or dizziness.

|| xylene (mixture of isomers):

Exposure routes

Inhalation

Assessment

May cause respiratory irritation.

SÜDWEST All-Grund

|| Hydrocarbons, C9-C10, n-alkanes, isoalkanes, cyclics, <2% aromatics:
Assessment May cause drowsiness or dizziness.

|| phthalic anhydride:
Exposure routes Inhalation
Assessment May cause respiratory irritation.

STOT - repeated exposure

Product:

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

Components:

|| xylene (mixture of isomers):
Assessment May cause damage to organs through prolonged or repeated exposure.

|| ethylbenzene:
Assessment May cause damage to organs through prolonged or repeated exposure.

Aspiration toxicity

Product:

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

Components:

|| Hydrocarbons, C9, aromatics:
May be fatal if swallowed and enters airways.

|| xylene (mixture of isomers):
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.

|| ethylbenzene:
May be fatal if swallowed and enters airways.

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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).

SECTION 12: ECOLOGICAL INFORMATION

12.1 Toxicity

Product:

Toxicity to fish No data available

Components:

Hydrocarbons, C9, aromatics :

Toxicity to fish LC50 (Oncorhynchus mykiss (rainbow trout)): 9,22 mg/l
Exposure time: 96 h

Toxicity to daphnia and other aquatic invertebrates EC50 (Daphnia magna (Water flea)): 6,14 mg/l
Exposure time: 48 h

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

SÜDWEST All-Grund

| | |
|---|---|
| Toxicity to algae | EC50 (Scenedesmus capricornutum (fresh water algae)): 0,32 mg/l Exposure time: 72 h |
| M-Factor (Short-term (acute) aquatic hazard) | 1 |
| M-Factor (Long-term (chronic) aquatic hazard) | 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 (Short-term (acute) aquatic hazard) | 1 |
| Toxicity to fish (Chronic toxicity) | NOEC: 0,08 mg/l Exposure time: 21 d Species: Oncorhynchus mykiss (rainbow trout) |
| M-Factor (Long-term (chronic) aquatic hazard) | 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 daphnia and other aquatic invertebrates | EC50 (Daphnia magna (Water flea)): 20 mg/l Exposure time: 24 h Method: OECD Test Guideline 202 |
| Toxicity to algae | EC50 (Desmodesmus subspicatus (green algae)): 1,68 mg/l Exposure time: 72 h Method: OECD Test Guideline 201 |
| M-Factor (Short-term (acute) aquatic hazard) | 1 |
| Toxicity to bacteria | 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 |

SÜDWEST All-Grund

12.2 Persistence and degradability

Product:

Biodegradability No data available

Components:

Hydrocarbons, C9, aromatics :

Biodegradability Result: rapidly degradable

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
Result: not rapidly degradable
Biodegradation: 38 %
Exposure time: 28 d
Method: OECD Test Guideline 301F

(2-methoxymethylethoxy) propanol :

Biodegradability Biodegradation: 75 %
Exposure time: 28 d
Method: OECD Test Guideline 301
rapidly biodegradable

12.3 Bioaccumulative potential

Product:

Bioaccumulation No data available

Components:

xylene (mixture of isomers) :

Partition coefficient: n-
octanol/water log Pow: > 3

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.

SÜDWEST All-Grund

(2-methoxymethylethoxy) propanol :

Partition coefficient: n-
octanol/water log Pow: -0,35

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:**

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 Empty packaging should be recycled through disposal systems.

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

(*) hazardous waste in terms of the European directive 91/689/EEC

SÜDWEST All-Grund**SECTION 14: TRANSPORT INFORMATION****14.1 UN number**

ADR 1263

IMDG 1263

IATA 1263

14.2 UN proper shipping name

ADR PAINT

IMDG PAINT

(trizinc bis(orthophosphate))

IATA Paint

14.3 Transport hazard class(es)

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

SÜDWEST All-Grund

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

| | |
|---------|----------------|
| 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 | |
| Directive 2010/75/EU | 30,6 % 445,9 g/l |

| | |
|----------------------|---------------------|
| VOC | |
| Directive 2004/42/EC | 30,6 % 445,9 g/l |

SÜDWEST All-Grund

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

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.
- H332 : Harmful if inhaled.
- H334 : May cause allergy or asthma symptoms or breathing

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| | difficulties if inhaled. |
| H335 | : May cause respiratory irritation. |
| H336 | : May cause drowsiness or dizziness. |
| 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. |

Full text of other abbreviations

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| 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 |
| Resp. Sens. | : Respiratory sensitisation |
| Skin Irrit. | : Skin irritation |
| Skin Sens. | : Skin sensitisation |
| STOT RE | : Specific target organ toxicity - repeated exposure |
| STOT SE | : Specific target organ toxicity - single 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 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

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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
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