

## SAFETY DATA SHEET

# SÜDWEST Zink- Ausbesserungsfarbe

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

#### 1.1 Product identifier

Trade name SÜDWEST Zink-Ausbesserungsfarbe

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

Coating compound/ Surface coating/ paint

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

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.  
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

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the label:

benzotriazole derivate  
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.

## SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

### 3.2 Mixtures

Chemical nature

Mixture: consisting of the following components.

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.	≥ 10 - < 20
zinc oxide	1314-13-2 215-222-5 01-2119463881-32- XXXX	Aquatic Acute1; H400 Aquatic Chronic1; H410 M-Factor (Acute aquatic toxicity): 1 M-Factor (Chronic aquatic toxicity): 1	≥ 2,5 - < 10
trizinc bis(orthophosphate)	7779-90-0 231-944-3 01-2119485044-40- XXXX	Aquatic Acute1; H400 Aquatic Chronic1; H410 M-Factor (Acute aquatic toxicity): 1 M-Factor (Chronic aquatic toxicity): 1	≥ 2,5 - < 10
Hydrocarbons, C9- C10, n-alkanes, isoalkanes, cyclics,	64742-48-9  01-2119471843-32-	Flam. Liq.3; H226 STOT SE3; H336 Asp. Tox.1; H304	≥ 2,5 - < 10

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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.	
benzotriazole derivate	400-830-7 01-0000015075-76-XXXX	Skin Sens.1; H317 Aquatic Chronic2; H411	≥ 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.1A; H317 M-Factor (Acute aquatic toxicity): 1	≥ 0,25 - < 1
2-Propenoic acid, butyl ester, homopolymer, reaction products with N,N-dimethyl-1,3-propanediamine	222417-26-7	Skin Irrit.2; H315 Eye Dam.1; H318 Aquatic Chronic1; H410 Aquatic Acute1; H400 M-Factor (Acute 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 decomposition products.  
Keep patient warm and at rest.  
If breathing is irregular or stopped, administer artificial respiration.  
If symptoms persist, call a physician.

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

Treatment	Treat symptomatically. No information available.
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## SECTION 5: FIREFIGHTING MEASURES

### 5.1 Extinguishing media

Suitable extinguishing media      CO<sub>2</sub>, 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 (CO<sub>2</sub>)  
Nitrogen oxides (NO<sub>x</sub>)  
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.

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## 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 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

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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.

## SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

### 8.1 Control parameters

Contains no substances with occupational exposure limit values. 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



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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	143 °C
Flash point	36,1 °C Method: closed cup
Evaporation rate	not determined
Flammability (solid, gas)	not applicable
Upper explosion limit / Upper flammability limit	8,0 %(V) Upper explosion limit
Lower explosion limit / Lower flammability limit	0,6 %(V) Lower explosion limit
Vapour pressure	10 hPa (20 °C)
Vapour density	No data available
Density	ca. 1,395 g/cm <sup>3</sup>
Solubility(ies) Water solubility	insoluble
Partition coefficient: n- octanol/water	not determined

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Auto-ignition temperature	not auto-flammable
Decomposition temperature	No data available
Viscosity	
Viscosity, dynamic	No data available
Viscosity, kinematic	ca. 187,4 mm <sup>2</sup> /s (40 °C)
Explosive properties	Not explosive In use may form flammable/explosive vapour-air mixture.
Oxidizing properties	Not applicable

## 9.2 Other information

Solvent separation	<3 %(V)
Flow time	120 s at 20 °C Cross section: 4 mm Method: ISO 2431

## 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.
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### 10.4 Conditions to avoid

Conditions to avoid	Direct sources of heat. Strong sunlight for prolonged periods.
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### 10.5 Incompatible materials

Materials to avoid	Strong acids and strong bases Strong oxidizing agents
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### 10.6 Hazardous decomposition products

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

Repeated exposure may cause skin dryness or cracking.

#### || 2-Propenoic acid, butyl ester, homopolymer, reaction products with N,N-dimethyl-1,3-propanediamine:

Species	Rabbit
Method	OECD Test Guideline 404
	Causes skin irritation.

#### Serious eye damage/eye irritation

##### Product:

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

##### Components:

#### || 2-Propenoic acid, butyl ester, homopolymer, reaction products with N,N-dimethyl-1,3-propanediamine:

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Species	Rabbit
Method	OECD Test Guideline 405 Causes serious eye damage.

## Respiratory or skin sensitisation

### Product:

May cause an allergic skin reaction.  
Does not cause respiratory sensitisation.

### Components:

#### || benzotriazole derivate:

Species	Guinea pig
Method	OECD Test Guideline 406 May cause an allergic skin reaction.

#### || 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.
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## Germ cell mutagenicity

### Product:

Genotoxicity in vitro	Based on available data, the classification criteria are not met.
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## 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.
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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.

### Components:

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

Assessment	May cause drowsiness or dizziness.
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## 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-C10, n-alkanes, isoalkanes, cyclics, <2% aromatics:**

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).

## SECTION 12: ECOLOGICAL INFORMATION

### 12.1 Toxicity

#### Product:

Toxicity to fish

No data available

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## Components:

### **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

### **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

### **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

M-Factor (Acute aquatic toxicity) 1

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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

## **2-Propenoic acid, butyl ester, homopolymer, reaction products with N,N-dimethyl-1,3-propanediamine :**

Toxicity to fish                              LC50 (Oncorhynchus mykiss (rainbow trout)): 0,89 mg/l  
Exposure time: 96 h  
Test Type: static test  
Method: OECD Test Guideline 202

M-Factor (Acute aquatic  
toxicity)                                      1

## **12.2 Persistence and degradability**

### **Product:**

Biodegradability                              No data available

### **Components:**

#### **benzotriazole derivate :**

Biodegradability                              Result: not 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-Propenoic acid, butyl ester, homopolymer, reaction products with N,N-dimethyl-1,3-propanediamine :**

Biodegradability                              Result: not rapidly degradable  
Method: OECD Test Guideline 301B

## **12.3 Bioaccumulative potential**

### **Product:**

Bioaccumulation                              No data available

### **Components:**

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**zinc oxide :**

Bioaccumulation

Bioaccumulation is unlikely.

**trizinc bis(orthophosphate) :**

Bioaccumulation

Does not bioaccumulate.

**Hydrocarbons, C9-C10, n-alkanes, isoalkanes, cyclics, <2% aromatics :**Partition coefficient: n-  
octanol/water

log Pow: 4

**benzotriazole derivate :**

Bioaccumulation

Species: Oncorhynchus mykiss (rainbow trout)

Exposure time: 305 h

Bioconcentration factor (BCF): 34

Method: OECD Test Guideline 305

Does not significantly accumulate in organisms.

Partition coefficient: n-  
octanol/water

log Pow: &lt; -1,3 Method: OECD Test Guideline 107

**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.

## 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.



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## 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
	(zinc oxide, trizinc bis(orthophosphate))
IATA	Paint

### 14.3 Transport hazard class(es)

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ADR	3
IMDG	3
IATA	3

## 14.4 Packing group

<b>ADR</b>	
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, <u>S-E</u>

## IATA

Packaging group	III
Labels	3

## 14.5 Environmental hazards

<b>ADR</b>	
Environmentally hazardous	yes

## IMDG

Marine pollutant	yes
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## 14.6 Special precautions for user

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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 27,9 %

VOC  
Directive 2004/42/EC 27,9 %  
388,7 g/l

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

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## 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.
H315	: Causes skin irritation.
H317	: May cause an allergic skin reaction.
H318	: Causes serious eye damage.
H336	: May cause drowsiness or dizziness.
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

Aquatic Acute	: Short-term (acute) aquatic hazard
Aquatic Chronic	: Long-term (chronic) aquatic hazard
Asp. Tox.	: Aspiration hazard
Eye Dam.	: Serious eye damage
Flam. Liq.	: Flammable liquids
Skin Irrit.	: Skin irritation
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 - 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 -

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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

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