

## SAFETY DATA SHEET

# SÜDWEST Imprägnier-Lasur

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

#### 1.1 Product identifier

Trade name SÜDWEST Imprägnier-Lasur

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

Aspiration hazard, Category 1 H304: May be fatal if swallowed and enters airways.

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

## 2.2 Label elements

### Labelling (REGULATION (EC) No 1272/2008)

Hazard pictograms



Signal word

Danger

Hazard statements

H226  
H304

Flammable liquid and vapour.  
May be fatal if swallowed and enters airways.

H412

Harmful to aquatic life with long lasting effects.

Supplemental Hazard Statements

EUH066

Repeated exposure may cause skin dryness or cracking.

Precautionary statements

P102  
**Prevention:**  
P210

Keep out of reach of children.

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

**Response:**  
P301 + P310

IF SWALLOWED: Immediately call a POISON CENTER/doctor.

P331

Do NOT induce vomiting.

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

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

**Additional Labelling:**

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EUH208

Contains 12-hydroxy-N-[6-(12-hydroxyoctadecanamido)hexyl]octadecanamide, 3-iodo2-propynyl butylcarbamate, phthalic anhydride. May produce an allergic reaction. These are preservatives.

**Regulation concerning biocidal products (528/2012):**

Contains 3-iodo2-propynyl butylcarbamate . As active agents for coating protection in accordance with Biocidal Product Regulation (528/2012), Article 58(3)

**2.3 Other hazards**

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

Repeated or prolonged exposure may cause skin irritation and dermatitis, due to degreasing properties of the product.

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

Chemical nature

Wood finishing lacquer

**Hazardous 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.	≥ 60 - < 70
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 SE3; H336  Note P	≥ 10 - < 12,5

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		The CAS number is no longer specified in REACH registration, but still serves as identification in other areas.	
12-hydroxy-N-[6-(12-hydroxyoctadecanamido)hexyl]octadecanamide	434-430-9 01-0000018057-71-XXXX	Skin Sens.1; H317 Aquatic Chronic4; H413	≥ 0,25 - < 1
3-iodo2-propynyl butylcarbamate	55406-53-6 259-627-5	STOT RE1; H372 Eye Dam.1; H318 Acute Tox.3; H331 Skin Sens.1; H317 Aquatic Acute1; H400 Aquatic Chronic1; H410 Acute Tox.4; H302	≥ 0,25 - < 1
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 - < 0,5
2-Ethylhexanoic acid, zirconium salt	22464-99-9 245-018-1 01-2119979088-21-XXXX	Repr.2; H361d	≥ 0,1 - < 0,3
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.

If unconscious, place in recovery position and seek medical

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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	Inhalation may provoke the following symptoms: Headache Dizziness Drowsiness Unconsciousness
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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>)

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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.

### 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.

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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 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

(2-methoxymethylethoxy) propanol		34590-94-8
2000/39/EC	Limit Value - eight hours	308 mg/m <sup>3</sup>
2000/39/EC	Limit Value - eight hours	50 ppm
Additional advice:	Identifies the possibility of significant uptake through the skin	

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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)6659-87-300, 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



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ventilated places and during spraying.  
In order to avoid inhalation of spray-mist and sanding dust,  
all spraying and sanding must be done wearing adequate  
respirator.  
Combination filter A-P2  
Respiratory protection complying with EN 14387.

## Environmental exposure controls

General advice                      The product should not be allowed to enter drains, water  
courses or the soil.  
If the product contaminates rivers and lakes or drains  
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	162 °C
Flash point	30 °C
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	1 hPa (20 °C)
Vapour density	No data available
Density	ca. 0,809 g/cm <sup>3</sup> (20 °C)

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Method: DIN 51757

Solubility(ies)	
Water solubility	insoluble
Partition coefficient: n-octanol/water	not determined
Auto-ignition temperature	not auto-flammable
Decomposition temperature	No data available
Viscosity	
Viscosity, dynamic	No data available
Viscosity, kinematic	ca. 11,7 mm <sup>2</sup> /s (40 °C) Method: ISO 2431/3 mm
Explosive properties	Not explosive In use may form flammable/explosive vapour-air mixture.
Oxidizing properties	Not applicable

## 9.2 Other information

Flow time not applicable

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

**Components:****|| 3-iodo2-propynyl butylcarbamate:**

Acute oral toxicity                      Harmful if swallowed.

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

**|| phthalic anhydride:**

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

**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.

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**|| phthalic anhydride:**

Causes skin irritation.

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

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

**Components:****|| 3-iodo2-propynyl butylcarbamate:**

Causes serious eye damage.

**|| phthalic anhydride:**

Causes serious eye damage.

**Respiratory or skin sensitisation****Product:**

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

**Components:****|| 12-hydroxy-N-[6-(12-hydroxyoctadecanamido)hexyl]octadecanamide:**

May cause an allergic skin reaction.

**|| 3-iodo2-propynyl butylcarbamate:**

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.

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## 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:

#### || 2-Ethylhexanoic acid, zirconium salt:

Developmental Toxicity

Suspected of damaging the unborn child.

## 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.

#### || 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:

#### || 3-iodo2-propynyl butylcarbamate:

Exposure routes

Inhalation

Target Organs

larynx

Assessment

Causes damage to organs through prolonged or repeated exposure.

## Aspiration toxicity

### Product:

May be fatal if swallowed and enters airways.

### 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.

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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:

##### **3-iodo2-propynyl butylcarbamate :**

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

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

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

NOEC (Pseudokirchneriella subcapitata (green algae)):

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0,0046 mg/l  
Exposure time: 72 h  
Method: OECD Test Guideline 201

M-Factor (Short-term  
(acute) aquatic hazard) 10

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

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

M-Factor (Long-term  
(chronic) aquatic hazard) 1

## 12.2 Persistence and degradability

### Product:

Biodegradability No data available

### Components:

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

Biodegradability Result: rapidly degradable  
Biodegradation: 80 %  
Exposure time: 28 d

#### **12-hydroxy-N-[6-(12-hydroxyoctadecanamido)hexyl]octadecanamide :**

Biodegradability Biodegradation: 6 %  
Exposure time: 28 d  
Method: OECD Test Guideline 301B  
Not readily biodegradable.

#### **3-iodo2-propynyl butylcarbamate :**

Biodegradability Result: rapidly degradable

#### **(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:

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**12-hydroxy-N-[6-(12-hydroxyoctadecanamido)hexyl]octadecanamide :**

Partition coefficient: n-octanol/water      Pow: 6,21

**3-iodo2-propynyl butylcarbamate :**

Partition coefficient: n-octanol/water      log Pow: 2,8

**(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 allow product to enter into ground water, bodies of water or sewage systems. Harmful 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	03 02 02* organochlorinated wood preservatives



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unused product

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

## SECTION 14: TRANSPORT INFORMATION

### 14.1 UN number

ADR 1263

IMDG 1263

IATA 1263

### 14.2 UN proper shipping name

ADR PAINT

IMDG PAINT

IATA Paint

### 14.3 Transport hazard class(es)

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

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EmS number F-E, S-E

## IATA

Packaging group III

Labels 3

## 14.5 Environmental hazards

### ADR

Environmentally hazardous no

### IMDG

Marine pollutant no

## 14.6 Special precautions for user

Remarks This information is not available.

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

Remarks Not applicable

## Additional advice

ADR ADR: Up to 5 l per inner package, transport as limited quantity in accordance with ADR 3.4.

IMDG IMDG: Up to 5 l per inner package, transport as limited quantity in accordance with IMDG Code 3.4.

## SECTION 15: REGULATORY INFORMATION

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

VOC  
Directive 2010/75/EU 76,9 %

VOC  
Directive 2004/42/EC 76,8 %  
621,4 g/l

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EU limit value for this product (cat. A/f) :700 g/lThis product contains max700 g/lVOC.

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

- H226 : Flammable liquid and vapour.
- H302 : Harmful if swallowed.
- 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.
- H331 : Toxic if inhaled.
- H334 : May cause allergy or asthma symptoms or breathing difficulties if inhaled.

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H335	: May cause respiratory irritation.
H336	: May cause drowsiness or dizziness.
H361d	: Suspected of damaging the unborn child.
H372	: Causes damage to organs through prolonged or repeated exposure if inhaled.
H400	: Very toxic to aquatic life.
H410	: Very toxic to aquatic life with long lasting effects.
H413	: May cause long lasting harmful effects to aquatic life.

## Full text of other abbreviations

Acute Tox.	: Acute toxicity
Aquatic Acute	: Short-term (acute) aquatic hazard
Aquatic Chronic	: Long-term (chronic) aquatic hazard
Asp. Tox.	: Aspiration hazard
Eye Dam.	: Serious eye damage
Flam. Liq.	: Flammable liquids
Repr.	: Reproductive toxicity
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 Restriction of Chemicals; RID - Regulations concerning the International Carriage of

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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.

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