

SAFETY DATA SHEET

SÜDWEST Holzimprägniergrund

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

1.1 Product identifier

Trade name SÜDWEST Holzimprägniergrund

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

Wood preservatives
Biocidal product

Uses advised against Industrial spraying

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)

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	H304	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	Keep out of reach of children.
	Prevention: P273	Avoid release to the environment.
	Response: P301 + P310	IF SWALLOWED: Immediately call a POISON CENTER/doctor. Do NOT induce vomiting.
	P331 P330	Rinse mouth.
	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, C11-C14, isoalkanes, cyclics, <2% aromatics		
Additional Labelling:		
EUH208	Contains propiconazole, 2-butanone oxime, [[(2-ethylhexyl)oxy]methyl]oxirane, 3-iodo2-propynyl butylcarbamate, phthalic anhydride. May produce an allergic reaction.	
EUH205	Contains epoxy constituents. May produce an allergic reaction.	

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Regulation concerning biocidal products (528/2012):

EUH401

To avoid risks to human health and the environment,
comply with the instructions for use.

Not to be used in conjunction with wood which is
intended for direct contact with foods or animal feed.

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.

Use biocides safely. Always read the label and product information before use.

Contains IPBC

This product is a cholinesterase inhibitor carbamate.

In use may form flammable/explosive vapour-air mixture.

Vapours are heavier than air and may spread along floors.

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

3.2 Mixtures

Hazardous components

Chemical name	CAS-No. EC-No. Registration number	Classification (REGULATION (EC) No 1272/2008)	Concentration (% w/w)
Hydrocarbons, C11- C14, isoalkanes, cyclics, <2% aromatics	90622-58-5 01-2119480162-45- XXXX	Asp. Tox.1; H304 The CAS number is no longer specified in REACH registration, but still serves as identification in other areas.	≥ 70 - < 90
2-(2- butoxyethoxy)ethanol	112-34-5 203-961-6 01-2119475104-44- XXXX	Eye Irrit.2; H319	≥ 3 - < 7,5
propiconazole	60207-90-1 262-104-4	Acute Tox.4; H302 Skin Sens.1; H317 Aquatic Acute1;	≥ 0,25 - < 1

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		H400 Aquatic Chronic1; H410	
2-butanone oxime	96-29-7 202-496-6 01-2119539477-28-XXXX	Carc.2; H351 Acute Tox.4; H312 Eye Dam.1; H318 Skin Sens.1; H317	≥ 0,1 - < 1
[[2-ethylhexyl)oxy]methyl]oxirane	2461-15-6	Skin Irrit.2; H315 Eye Irrit.2; H319 Skin Sens.1; H317 STOT SE3; H335 Aquatic Chronic3; H412	≥ 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 - < 1

For explanation of abbreviations see section 16.

SECTION 4: FIRST AID MEASURES

4.1 Description of first aid measures

General advice

Always show the label to any attending doctor!

First aider needs to protect himself.

Never give anything by mouth to an unconscious person.

If unconscious, place in recovery position and seek medical advice.

Symptoms of poisoning may appear several hours later.

Keep under medical supervision for at least 48 hours.

Inhalation

If breathed in, move person into fresh air.

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.
Call a physician immediately.

Ingestion

IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.
If swallowed, seek medical advice immediately and show this container or label.
Vomiting
Hold person's head low, to prevent aspiration.

4.2 Most important symptoms and effects, both acute and delayed

Symptoms

No information available.

Risks

Risk of product entering the lungs on vomiting after ingestion.

4.3 Indication of any immediate medical attention and special treatment needed

Treatment

Treat symptomatically.
No information available.

SECTION 5: FIREFIGHTING MEASURES

5.1 Extinguishing media

Suitable extinguishing media

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

Unsuitable extinguishing media

High volume water jet

5.2 Special hazards arising from the substance or mixture

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

5.3 Advice for firefighters

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

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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.
Ensure adequate ventilation.
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.
Prevention of handling incompatible substances and

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Hygiene measures

mixtures (see subsection 10.5).

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. No smoking.

Prevent unauthorized access.

Containers which are opened must be carefully resealed and kept upright to prevent leakage.

Keep container in liquid-impermeable tub.

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.

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7.3 Specific end use(s)

Provide for good aeration and internal ventilation when painting windows and exterior doors. Keep windows and doors open (cross-ventilation, min. 5 air changes/h).

Time spent in the working area is to be kept to a minimum.

Apply a suitable top coat to the wood surface treated with the product, in order to prevent the active substances from being washed out.

This surface treatment is to be maintained on a regular basis.

Recently treated wood is to be stored under roofing or on a paved and impermeable surface to prevent the penetration of dripping residual product and contaminated rainwater into the soil, the groundwater and bodies of water.

When applying the product, direct contamination of the ground with product (e.g. as a result of dripping) is to be prevented, e.g. by means of appropriate covering (plastic sheeting, tarpaulins).

During application by means of industrial methods, in order to protect the soil, groundwater and bodies of water all product remnants are to be collected and returned to the system, if possible, or disposed of as hazardous waste.

The product must not enter into the sewerage system. For further information, see also Technical Data Sheet for the product.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1 Control parameters

Exposure limit(s)

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

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

8.2 Exposure controls

Appropriate engineering controls

Technical and organisational protection measures must take priority (personal protective equipment must not constitute a permanent measure).

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 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

Remove any contamination immediately from the skin to protect against any possible allergic reaction.
Preventive skin protection
Long sleeved clothing
Personal should wear antistatic clothings made of natural

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fiber or of high temperature resistant synthetic fiber. All parts of the body should be washed after contact.

c) Respiratory protection

During application in enclosed spaces, respiratory protection must be worn.

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	solvent-like
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	> 60 °C
Evaporation rate	not determined
Flammability (solid, gas)	not applicable
Upper explosion limit / Upper flammability limit	5,0 %(V)
Lower explosion limit / Lower flammability limit	0,5 %(V)
Vapour pressure	0,6 hPa (20 °C)
Vapour density	No data available

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Density	ca. 0,793 g/cm ³
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	ca. 5 mPa.s (20 °C)
Viscosity, kinematic	ca. 12,6 mm ² /s (40 °C)
Explosive properties	Not explosive
Oxidizing properties	Not applicable

9.2 Other information

Ignition temperature	228 °C
Flow time	No data available

SECTION 10: STABILITY AND REACTIVITY

10.1 Reactivity

No dangerous reaction known under conditions of normal use.

10.2 Chemical stability

Stable under normal conditions.

10.3 Possibility of hazardous reactions

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

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:

|| propiconazole:

Acute oral toxicity LD50 (Rat): 1.517 mg/kg

|| 2-butanone oxime:

Acute dermal toxicity Harmful in contact with skin.

|| 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

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Skin corrosion/irritation**Product:**

Repeated exposure may cause skin dryness or cracking.

Components:**|| Hydrocarbons, C11-C14, isoalkanes, cyclics, <2% aromatics:**

Repeated exposure may cause skin dryness or cracking.

|| [[(2-ethylhexyl)oxy]methyl]oxirane:

Causes skin irritation.

|| phthalic anhydride:

Causes skin irritation.

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

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

Components:**|| 2-(2-butoxyethoxy)ethanol:**

Causes serious eye irritation.

|| 2-butanone oxime:

Causes serious eye damage.

|| [[(2-ethylhexyl)oxy]methyl]oxirane:

Causes serious eye irritation.

|| 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

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not met.

Components:
|| propiconazole:

May cause an allergic skin reaction.

|| 2-butanone oxime:

May cause an allergic skin reaction.

|| [[(2-ethylhexyl)oxy]methyl]oxirane:

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.

Components:

|| 2-butanone oxime:

Suspected of causing cancer.

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.

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STOT - single exposure

Product:

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

Components:

|| [[[(2-ethylhexyl)oxy]methyl]oxirane:

Exposure routes

Inhalation

Assessment

May cause respiratory irritation.

|| 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, C11-C14, 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.

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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:

propiconazole :

Toxicity to fish LC50 (Oncorhynchus mykiss (rainbow trout)): 4,3 mg/l
Exposure time: 96 h

Toxicity to daphnia and other aquatic invertebrates EC50 (Daphnia magna (Water flea)): 10,2 mg/l
Exposure time: 48 h

Toxicity to algae EC50 (Algae): 0,76 mg/l
Exposure time: 72 h

M-Factor (Short-term (acute) aquatic hazard) 1

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

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NOEC (Pseudokirchneriella subcapitata (green algae)):
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:

propiconazole :

Biodegradability Result: not rapidly degradable

3-iodo2-propynyl butylcarbamate :

Biodegradability Result: rapidly degradable

12.3 Bioaccumulative potential

Product:

Bioaccumulation No data available

Components:

2-(2-butoxyethoxy)ethanol :

Partition coefficient: n-
octanol/water log Pow: 0,56

propiconazole :

Bioaccumulation Bioconcentration factor (BCF): 146

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3-iodo2-propynyl butylcarbamate :

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

12.4 Mobility in soil**Product:**

Mobility No data available

12.5 Results of PBT and vPvB assessment**Product:**

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

12.6 Other adverse effects**Product:**

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"
If recycling is not practicable, dispose of in compliance with local regulations.
Fluid remains constitute hazardous waste and should not be poured into the sewage system. They should be taken to a local waste disposal site.
Dispose safely of product, contaminated materials and containers.

Do not pour into the drain. - Do not allow to enter into the sewerage system.

Contaminated packaging Packaging that is not properly emptied must be disposed of as the unused product.

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Empty packaging should be recycled through disposal systems.

Waste key for the
unused product

03 02 05* other wood preservatives containing dangerous
substances

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

SECTION 14: TRANSPORT INFORMATION

14.1 UN number

Not regulated as a dangerous good

14.2 UN proper shipping name

Not regulated as a dangerous good

14.3 Transport hazard class(es)

Not regulated as a dangerous good

14.4 Packing group

Not regulated as a dangerous good

14.5 Environmental hazards

Not regulated as a dangerous good

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

SECTION 15: REGULATORY INFORMATION

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

VOC

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Directive 2010/75/EU 92,5 %
732 g/l

VOC
Directive 2004/42/EC

does not fall under Directive 2004/42/EC

Regulation (EC) No
649/2012 of the European
Parliament and the Council
concerning the export and
import of dangerous
chemicals

Not applicable

Further notes

Before use please consult technical data sheet and safety data sheet.
The effectiveness of the biocide is dependent on correct storage and observation of the use-by date.

See label on lid.

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.

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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

H302	: Harmful if swallowed.
H304	: May be fatal if swallowed and enters airways.
H312	: Harmful in contact with skin.
H315	: Causes skin irritation.
H317	: May cause an allergic skin reaction.
H318	: Causes serious eye damage.
H319	: Causes serious eye irritation.
H331	: Toxic if inhaled.
H334	: May cause allergy or asthma symptoms or breathing difficulties if inhaled.
H335	: May cause respiratory irritation.
H351	: Suspected of causing cancer.
H372	: Causes damage to organs through prolonged or repeated exposure.
H400	: Very toxic to aquatic life.
H410	: Very toxic to aquatic life with long lasting effects.
H412	: Harmful to aquatic life with long lasting effects.

Full text of other abbreviations

Acute Tox.	: Acute toxicity
Aquatic Acute	: Short-term (acute) aquatic hazard
Aquatic Chronic	: Long-term (chronic) aquatic hazard
Asp. Tox.	: Aspiration hazard
Carc.	: Carcinogenicity
Eye Dam.	: Serious eye damage
Eye Irrit.	: Eye irritation
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 -

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Concentration associated with x% growth rate response; GHS - Globally Harmonized System; GLP - Good Laboratory Practice; IARC - International Agency for Research on Cancer; IATA - International Air Transport Association; IBC - International Code for the Construction and Equipment of Ships carrying Dangerous Chemicals in Bulk; IC50 - Half maximal inhibitory concentration; ICAO - International Civil Aviation Organization; IECSC - Inventory of Existing Chemical Substances in China; IMDG - International Maritime Dangerous Goods; IMO - International Maritime Organization; ISHL - Industrial Safety and Health Law (Japan); ISO - International Organisation for Standardization; KECI - Korea Existing Chemicals Inventory; LC50 - Lethal Concentration to 50 % of a test population; LD50 - Lethal Dose to 50% of a test population (Median Lethal Dose); MARPOL - International Convention for the Prevention of Pollution from Ships; n.o.s. - Not Otherwise Specified; NO(A)EC - No Observed (Adverse) Effect Concentration; NO(A)EL - No Observed (Adverse) Effect Level; NOELR - No Observable Effect Loading Rate; NZIoC - New Zealand Inventory of Chemicals; OECD - Organization for Economic Co-operation and Development; OPPTS - Office of Chemical Safety and Pollution Prevention; PBT - Persistent, Bioaccumulative and Toxic substance; PICCS - Philippines Inventory of Chemicals and Chemical Substances; (Q)SAR - (Quantitative) Structure Activity Relationship; REACH - Regulation (EC) No 1907/2006 of the European Parliament and of the Council concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals; RID - Regulations concerning the International Carriage of Dangerous Goods by Rail; SADT - Self-Accelerating Decomposition Temperature; SDS - Safety Data Sheet; SVHC - Substance of Very High Concern; TCSI - Taiwan Chemical Substance Inventory; TRGS - Technical Rule for Hazardous Substances; TSCA - Toxic Substances Control Act (United States); UN - United Nations; vPvB - Very Persistent and Very Bioaccumulative

Further information

Other information

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

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

Department issuing
MSDS
REG_EU / EN

sdb@suedwest.de

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