

SÜDWEST LBN-100

Ref. 130000006129/

Rev. no. 1.3

Revision Date 08.04.2019 Print Date 04.07.2019

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

1.1 Product identifier

Trade name SÜDWEST LBN-100

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

ress of person sdb@suedwest.de

European Union

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

Specific target organ toxicity

- single exposure, Category

3, Central nervous system

H336: May cause drowsiness or dizziness.

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







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Signal word	Warning	
Hazard statements	H226 H336 H411	Flammable liquid and vapour. May cause drowsiness or dizziness. Toxic to aquatic life with long lasting effects.
Supplemental Hazard Statements	EUH066	Repeated exposure may cause skin dryness or cracking.
Precautionary statements	P102 Prevention:	Keep out of reach of children.
	P210	Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
	P261	Avoid breathing vapours.

P271

Use only outdoors or in a well-ventilated

area.

Response:

P312 Call a POISON CENTER/doctor if you

feel unwell.

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

Additional Labelling:

EUH208 Contains Fatty acids, C18-unsatd., dimers, reaction

products with N,N-dimethyl-1,3-propanediamine and 1,3-propanediamine. May produce an allergic reaction.

2.3 Other hazards

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

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

3.2 Mixtures

Chemical nature Alkyd resin based paint.

Components

Chemical name	CAS-No. EC-No.	Classification (REGULATION (EC)	Concentration (% w/w)
Hydrocarbons, C9-C11, n-alkanes, isoalkanes, cyclics, <2% aromatics	Registration number 64742-48-9 01-2119463258-33- XXXX	No 1272/2008) Asp. Tox.1; H304 Flam. Liq.3; H226 STOT SE3; H336 Note P The CAS number is no longer specified in REACH registration, but still serves as identification in other areas.	≥ 20 - < 30
Hydrocarbons, C9-C10, n-alkanes, isoalkanes, cyclics, <2% aromatics	64742-48-9 01-2119471843-32- XXXX	Flam. Liq.3; H226 STOT SE3; H336 Asp. Tox.1; H304 Aquatic Chronic3; H412 Note P The CAS number is no longer specified in REACH registration, but still serves as identification in other areas.	≥ 2,5 - < 10
trizinc bis(orthophosphate)	7779-90-0 231-944-3 01-2119485044-40-	Aquatic Acute1; H400 Aquatic Chronic1;	≥ 2,5 - < 10

xylene	1330-20-7 215-535-7 01-2119488216-32- XXXX	H410 M-Factor (Acute aquatic toxicity): 1 M-Factor (Chronic aquatic toxicity): 1 Flam. Liq.3; H226 Acute Tox.4; H332 Acute Tox.4; H312 Skin Irrit.2; H315 Eye Irrit.2; H319 STOT SE3; H335 STOT RE2; H373	≥1-<3
zinc oxide	1314-13-2 215-222-5 01-2119463881-32- XXXX	Asp. Tox.1; H304 Aquatic Acute1; H400 Aquatic Chronic1; H410 M-Factor (Acute aquatic toxicity): 1 M-Factor (Chronic aquatic toxicity): 1	≥ 0,25 - < 1
Fatty acids, C18- unsatd., dimers, reaction products with N,N-dimethyl- 1,3-propanediamine and 1,3- propanediamine	162627-17-0 605-296-0 01-2119970640-38- XXXX	Skin Sens.1; H317	≥ 0,1 - < 1
	rkplace exposure limit : 107-98-2 203-539-1 01-2119457435-35- XXXX	Flam. Liq.3; H226 STOT SE3; H336	≥ 1 - < 10

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.

Skin contact Take off contaminated clothing and shoes immediately.

Wash skin thoroughly with soap and water or use

recognized skin cleanser.

Do NOT use solvents or thinners. If skin irritation persists, call a physician.

Eye contact In case of eye contact, remove contact lens and rinse

immediately with plenty of water, also under the eyelids, for

at least 15 minutes. Seek medical advice.

Ingestion Rinse mouth with water.

If swallowed, seek medical advice immediately and show

this container or label.

Keep at rest.

Do NOT induce vomiting.

4.2 Most important symptoms and effects, both acute and delayed

Symptoms No information available.

4.3 Indication of any immediate medical attention and special treatment needed

Treatment Treat symptomatically.

No information available.

SECTION 5: FIREFIGHTING MEASURES

5.1 Extinguishing media

Suitable extinguishing

media

CO2, extinguishing powder or water spray. Fight larger fires

with water spray or alcohol resistantfoam.

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 (NOx)

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.

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.

Indicative

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1 Control parameters

Exposure limit(s)

Components		CAS-No.
Basis	Type:	Control
		parameters
1-methoxy-2-propanol		107-98-2
2000/39/EC	Limit Value - eight hours	375 mg/m ³
2000/39/EC	Limit Value - eight hours	100 ppm
Additional advice:	Identifies the possibility of significant uptake through the skin Indicative	
2000/39/EC	Short term exposure limit	568 mg/m ³
2000/39/EC	Short term exposure limit	150 ppm
Additional advice:	Identifies the possibility of significant uptake through the skin	

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xylene		1330-20-7
2000/39/EC	Limit Value - eight hours	221 mg/m ³
2000/39/EC	Limit Value - eight hours	50 ppm
Additional advice:	Identifies the possibility of significant uptake through the skin Indicative	
2000/39/EC	Short term exposure limit	442 mg/m ³
2000/39/EC	Short term exposure limit	100 ppm
Additional advice:	Identifies the possibility of significant uptake through the skin Indicative	

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 beachieved 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 EN160
a) Lyc/iacc protection	Saidly diasses with side-shidius comorning to Living

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.

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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

courses or the soil.

If the product contaminates rivers and lakes or drains

inform respective authorities.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties

Appearance liquid

Colour various

Odour characteristic

Odour Threshold No data available

pH not determined

Melting point/freezing point No data available

Initial boiling point and

boiling range

140 °C

Flash point 31,4 °C

Method: closed cup

Evaporation rate not determined

Flammability (solid, gas) not applicable

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Upper explosion limit / 6,0 %(V)

Upper flammability limit Upper explosion limit

Lower explosion limit / 0.7%(V)

Lower flammability limit Lower explosion limit

Vapour pressure 300 hPa (20 °C)

Vapour density No data available

Density ca. 1,34 g/cm³

Solubility(ies)

Water solubility insoluble

Partition coefficient: n-

octanol/water

not determined

not auto-flammable Auto-ignition temperature

Decomposition

temperature

No data available

Viscosity

Viscosity, dynamic No data available

Viscosity, kinematic ca. 82 mm²/s (40 °C)

Explosive properties Not explosive

Oxidizing properties Not applicable

9.2 Other information

Flow time > 90 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

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Hazardous reactions No dangerous reaction known under conditions of

normal use.

Vapours may form explosive mixture with air.

10.4 Conditions to avoid

Conditions to avoid Direct sources of heat.

Strong sunlight for prolonged periods.

10.5 Incompatible materials

Materials to avoid Strong acids and strong bases

Strong oxidizing agents

10.6 Hazardous decomposition products

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.

Exposure time: 4 h
Test atmosphere: vapour
Method: Calculation method

Method: Calculation method

Components:

xylene:

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

Exposure time: 4 h
Test atmosphere: vapour

Acute dermal toxicity Harmful in contact with skin.

Skin corrosion/irritation

Product:

Repeated exposure may cause skin dryness or cracking.

Components:

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

Method OECD Test Guideline 404

Repeated exposure may cause skin dryness or cracking.

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

Repeated exposure may cause skin dryness or cracking.

xylene:

Causes skin irritation.

Serious eye damage/eye irritation

Product:

Based on available data, the classification criteria are

not met.

Components:

xylene:

Causes serious eye irritation.

Respiratory or skin sensitisation

Product:

Based on available data, the classification criteria are

not met.

Components:

Fatty acids, C18-unsatd., dimers, reaction products with N,N-dimethyl-1,3-propanediamine and 1,3-propanediamine:

May cause an allergic skin reaction.

Germ cell mutagenicity

Product:

Genotoxicity in vitro Based on available data, the classification criteria are

not met.

Carcinogenicity

Product:

Based on available data, the classification criteria are

not met.

Reproductive toxicity

Product:

Effects on fertility Based on available data, the classification criteria are

not met.

Developmental Toxicity Based on available data, the classification criteria are

not met.

STOT - single exposure

Product:

Assessment May cause drowsiness or dizziness.

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Components:

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

Assessment May cause drowsiness or dizziness.

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

Assessment May cause drowsiness or dizziness.

xylene:

Exposure routes Inhalation

Assessment May cause respiratory irritation.

1-methoxy-2-propanol:

Assessment May cause drowsiness or dizziness.

STOT - repeated exposure

Product:

Based on available data, the classification criteria are

not met.

Components:

xylene:

Assessment May cause damage to organs through prolonged or

repeated exposure.

Aspiration toxicity

Product:

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

Components:

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

May be fatal if swallowed and enters airways.

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

May be fatal if swallowed and enters airways.

xylene:

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 eve.

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:

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

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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)

NOEC: 0,08 mg/l

1

Toxicity to fish (Chronic

toxicity)

Exposure time: 21 d

Species: Oncorhynchus mykiss (rainbow trout)

M-Factor (Chronic aquatic

toxicity)

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

12.3 Bioaccumulative potential

Product:

Bioaccumulation No data available

Components:

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

Partition coefficient: n- log Pow: 4

octanol/water

trizinc bis(orthophosphate):

Bioaccumulation Does not bioaccumulate.

xylene:

Partition coefficient: n-

log Pow: > 3

octanol/water

zinc oxide:

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.

SECTION 13: DISPOSAL CONSIDERATIONS

13.1 Waste treatment methods

Product The user is responsible for proper coding and marking of

any waste.

When used as recommended, the waste code can be selected according to the code of the European Waste Catalogue (EWC), category 17.09 "Other Construction and

Demolition Waste"

Partial and residual quantities can be reused.

Fluid remains constitute hazardous waste and should not be poured into the sewage system. They should be taken to a

local waste disposal site.

Contaminated packaging Packaging that is not properly emptied must be disposed of

as the unused product.

Empty packaging should be recycled through disposal

systems.

Waste key for the unused product

08 01 11* waste paint and varnish containing organic

solvents or other hazardous substances

(*) hazardous waste in terms of the European directive

2008/98/EG

SECTION 14: TRANSPORT INFORMATION

14.1 UN number	
ADR	1263
IMDG	1263
IATA	1263
14.2 UN proper shipping nan	ne
ADR	PAINT
IMDG	PAINT
	(trizinc bis(orthophosphate))
IATA	Paint
14.3 Transport hazard class(es)
ADR	3
IMDG	3
IATA	3
14.4 Packing group ADR	
Packing group	III
Classification Code	F1
Hazard Identification Number	30
Labels	3
Tunnel restriction code	(D/E)
IMDG	
Packaging group	III
Labels	3
EmS number	F-E, <u>S-E</u>
IATA	

Ш

Packaging group

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Labels 3

14.5 Environmental hazards

ADR

Environmentally hazardous yes

IMDG

Marine pollutant yes

14.6 Special precautions for user

Remarks This information is not available.

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

Remarks Not applicable

Additional advice

ADR: Packages < 5 I: No dangerous goods (ADR

2.2.3.1.5).

IMDG: Packages < 5 I: 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 35,3 %

VOC

Directive 2004/42/EC 35,0 %

468,5 g/l

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

contains max500 g/IVOC.

Regulation (EC) No Not applicable

649/2012 of the European Parliament and the Council concerning the export and import of dangerous chemicals

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

Flammable liquid and vapour.
May be fatal if swallowed and enters airways.
Harmful in contact with skin.
Causes skin irritation.
May cause an allergic skin reaction.
Causes serious eye irritation.
Harmful if inhaled.
May cause respiratory irritation.
May cause drowsiness or dizziness.
May cause damage to organs through prolonged or repeated exposure.
Very toxic to aquatic life.
Very toxic to aquatic life with long lasting effects.
Harmful to aquatic life with long lasting effects.

Full text of other abbreviations

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Acute Tox. : Acute toxicity

Aquatic Acute : Short-term (acute) aquatic hazard Aquatic Chronic : Long-term (chronic) aquatic hazard

Asp. Tox. : Aspiration hazard
Eye Irrit. : Eye irritation
Flam. Liq. : Flammable liquids
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 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.

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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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