

SAFETY DATA SHEET

SÜDWEST 2K-Acryl-Härter lang

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

1.1 Product identifier

Trade name SÜDWEST 2K-Acryl-Härter lang

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

Hardener

Reserved for industrial and professional use.

Uses advised against

Industrial spraying, Non 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
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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.

Skin sensitisation, Category

H317: May cause an allergic skin reaction.

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Specific target organ toxicity - single exposure, Category 3, Central nervous system	H336: May cause drowsiness or dizziness.
Specific target organ toxicity - single exposure, Category 3, Respiratory system	H335: May cause respiratory irritation.
Aspiration hazard, Category 1	H304: May be fatal if swallowed and enters airways.
Chronic aquatic toxicity, 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

Danger

Hazard statements

H226	Flammable liquid and vapour.
H304	May be fatal if swallowed and enters airways.
H317	May cause an allergic skin reaction.
H335	May cause respiratory irritation.
H336	May cause drowsiness or dizziness.
H411	Toxic to aquatic life with long lasting effects.

Supplemental Hazard Statements

EUH066	Repeated exposure may cause skin dryness or cracking.
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Precautionary statements

Prevention:	
P210	Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
P280	Wear protective gloves/ protective clothing/ eye protection/ face protection.
P284	Wear respiratory protection.
Response:	

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P301 + P310	IF SWALLOWED: Immediately call a POISON CENTER/doctor.
P331	Do NOT induce vomiting.
P333 + P313	If skin irritation or rash occurs: Get medical advice/ attention.
P304 + P340	IF INHALED: Remove person to fresh air and keep comfortable for breathing.
Disposal:	
P501	Contents/container to be disposed of through approved disposal contractor or taken to municipal collection point.

Hazardous components which must be listed on the label:

Hydrocarbons, C9, aromatics
Hexamethylene diisocyanate, homopolymer

Additional Labelling:

EUH204 Contains isocyanates. May produce an allergic reaction.

2.3 Other hazards

Results of PBT and vPvB assessment
Not applicable

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

3.2 Mixtures

Chemical nature Polyurethane hardener based on aliphatic polyisocyanate

Hazardous components

Chemical name	CAS-No. EC-No. Registration number	Classification (REGULATION (EC) No 1272/2008)	Concentration (% w/w)
Hydrocarbons, C9, aromatics	64742-95-6 01-2119455851-35- XXXX	Asp. Tox.1; H304 Flam. Liq.3; H226 STOT SE3; H335, H336 Aquatic Chronic2; H411 Note H (Table 3.1), Note P The CAS number is no longer specified in REACH	≥ 30 - < 50

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		registration, but still serves as identification in other areas.	
Hexamethylene diisocyanate, homopolymer	28182-81-2 01-2119488934-20-XXXX	Acute Tox.4; H332 Skin Sens.1; H317 STOT SE3; H335	≥ 30 - < 50
xylene (mixture of isomers)	1330-20-7 215-535-7 01-2119488216-32-XXXX	Flam. Liq.3; H226 Acute Tox.4; H332 Acute Tox.4; H312 Skin Irrit.2; H315 Eye Irrit.2; H319 STOT SE3; H335 STOT RE2; H373 Asp. Tox.1; H304	≥ 5 - < 10
4-isocyanatosulphonyloluene	4083-64-1 223-810-8 01-2119980050-47-XXXX	Eye Irrit.2; H319 STOT SE3; H335 Skin Irrit.2; H315 Resp. Sens.1; H334	≥ 0,1 - < 1
Substances with a workplace exposure limit :			
2-methoxy-1-methylethyl acetate	108-65-6 203-603-9 01-2119475791-29-XXXX	Flam. Liq.3; H226	≥ 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. First aider needs to protect himself.
Inhalation	Move to fresh air in case of accidental inhalation of vapours or decomposition products. Consult a physician after significant exposure.
Skin contact	Take off contaminated clothing and shoes immediately. Take off contaminated clothing and wash it before reuse. Wash skin thoroughly with soap and water or use recognized skin cleanser. Do NOT use solvents or thinners. If symptoms persist, call a physician.

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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. Consult a physician. Eye rinsing bottle must be kept immediately to hand.
Ingestion	Never give anything by mouth to an unconscious person. Clean mouth with water and drink afterwards plenty of water. Do NOT induce vomiting. Obtain medical attention.

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 ₂ , extinguishing powder or water spray. Fight larger fires with water spray or alcohol resistant foam.
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Unsuitable extinguishing media	High volume water jet
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5.2 Special hazards arising from the substance or mixture

Fire may cause evolution of:
Carbon monoxide
Carbon dioxide (CO₂)
Nitrogen oxides (NO_x)

5.3 Advice for firefighters

In the event of fire, wear self-contained breathing apparatus. Complete suit protecting against chemicals

Additional advice

Use water spray to cool unopened containers.
Water for fire fighting must not be emptied into drains, earth or waters. Contaminated water and earth must be disposed of according to official local regulations.

SECTION 6: ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions, protective equipment and emergency procedures

Do not breathe fumes / aerosol
Do not get in eyes, on skin, or on clothing.
Use personal protective equipment.
Ensure adequate ventilation.

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	Prevent unauthorized access.
6.2 Environmental precautions	Prevent seepage into sewage system, workpits and cellars. Do not allow contact with soil, surface or ground water. 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). Subsequently put in the waste container. Do not seal (CO ₂ may be given off) Clean contaminated surface thoroughly. Suitable cleaning agents Water Should not be released into the environment.
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	Avoid contact with skin and eyes. Do not breathe vapours or spray mist. Persons with a history of skin sensitisation problems or asthma, allergies, chronic or recurrent respiratory disease should not be employed in any process in which this mixture is being used. Comply with the statutory regulations on health and safety at work. Do not re-use empty containers.
Hygiene measures	Take off immediately all contaminated clothing. Keep working clothes separately. Remove and wash contaminated clothing and gloves, including the inside, before re-use. 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

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Requirements for storage areas and containers

Keep out of reach of children.
Store in original container.
Containers which are opened must be carefully resealed and kept upright to prevent leakage.
Protect from frost, heat and sunlight.
Keep in a dry place.

Advice on protection against fire and explosion

Prevent the creation of flammable or explosive concentrations of vapour in air and avoid vapour concentration higher than the occupational exposure limit values.
Vapours are heavier than air and may spread along floors. Flammable gas-air mixtures may be formed in empty receptacles.
Keep product and empty container away from heat and sources of ignition.
The product should only be used in areas from which all naked lights and other sources of ignition have been excluded.
Operators should wear antistatic footwear and clothing. No sparking tools should be used.

Advice on common storage

Keep away from oxidizing agents, strongly acid or alkaline materials, as well as of amines, alcohols and water.

7.3 Specific end use(s)

For further information, see also Technical Data Sheet for the product.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1 Control parameters

Exposure limit(s)

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

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Indicative

2-methoxy-1-methylethyl acetate		108-65-6
2000/39/EC	Short term exposure limit	550 mg/m ³
2000/39/EC	Short term exposure limit	100 ppm
Additional advice:	Identifies the possibility of significant uptake through the skin	
	Indicative	
2000/39/EC	Limit Value - eight hours	275 mg/m ³
2000/39/EC	Limit Value - eight hours	50 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

Ensure good ventilation; if possible, use / install internal extractor equipment.
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

Wearing time: < 60 min

Minimum thickness: 0,4 mm

Gloves made of the following materials are suitable as protection from splashes:

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.

Wetted gloves must be disposed of immediately!

Wearing time: > 480 min

Minimum thickness: 0,7 mm

Gloves in the following material can be used for prolonged contact up to max. 8 hours:

Fluorocarbon rubber gloves eg. KCL 890 Vitoject®

(Kächele-Cama-Latex GmbH, Hotline: 0049(0)6659-87-300, kcl-uk@kcl.de), or equal.

Dispose of wetted gloves at the end of the shift!

The selected protective gloves have to satisfy the specifications of EU Directive 89/686/EEC and the standard

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EN 374 derived from it.
Cotton undergloves are recommendable when wearing protective gloves!
To avoid skin problems reduce the wearing of gloves to the required minimum.
Only use chemical-protective gloves with CE-labelling of category III.

Body Protection	Impervious clothing If splashes are likely to occur, wear: Solvent-resistant apron and boots
c) Respiratory protection	In case of brief exposure or low pollution use respiratory filter device. In case of intensive or longer exposure use respiratory protective device that is independent of circulating air. Short term filter device: Combination filter A-P2 Respiratory protection complying with EN 14387.
General precautions and other information	The instructions for the personal protective equipment apply to the handling of both individual components and of the ready-to-use mixture.

Environmental exposure controls

General advice	Prevent seepage into sewage system, workpits and cellars. Do not allow contact with soil, surface or ground water. If the product contaminates rivers and lakes or drains inform respective authorities.
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SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties

Appearance	liquid
Colour	colourless
Odour	characteristic
Odour Threshold	No data available
pH	not determined
Melting point/freezing point	No data available
Initial boiling point and boiling range	> 124 °C
Flash point	27 °C

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Method: ISO 13736

Evaporation rate	not determined
Flammability (solid, gas)	not applicable
Lower explosion limit	0,6 %(V)
Upper explosion limit	7,5 %(V)
Vapour pressure	13 hPa, 20 °C
Vapour density	No data available
Density	ca. 0,951 g/cm ³
Solubility(ies)(Water)	insoluble
Partition coefficient: n-octanol/water	not determined
Auto-ignition temperature	not auto-flammable
Ignition temperature	315 °C
Viscosity, dynamic	No data available
Viscosity, kinematic	ca. 5,3 mm ² /s, 40 °C
Explosive properties	Not explosive, In use may form flammable/explosive vapour-air mixture.
Oxidizing properties	Not applicable

9.2 Other information

Flow time	12 s, 20 °C, ISO 2431
Solid content	31,1 %

SECTION 10: STABILITY AND REACTIVITY

10.1 Reactivity

Container can be pressurized by carbon dioxide due to reaction with humid air and/or water.

10.2 Chemical stability

Stable under normal conditions.

10.3 Possibility of hazardous reactions

Hazardous reactions Amines and alcohols cause exothermic reactions.

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Keep away from oxidizing agents, strongly alkaline and strongly acid materials in order to avoid exothermic reactions.

With water (moisture): CO₂ is produced; pressure may build up inside closed containers (danger of bursting)

10.4 Conditions to avoid

Conditions to avoid Direct sources of heat.
Strong sunlight for prolonged periods.

10.5 Incompatible materials

Materials to avoid Acids and bases
Amines and alcohols cause exothermic reactions.

10.6 Hazardous decomposition products

Hazardous decomposition products No decomposition if stored and applied as directed.
In case of fire hazardous decomposition products may be produced such as:
Isocyanates
Hydrogen cyanide (hydrocyanic acid)

Decomposition temperature No data available

SECTION 11: TOXICOLOGICAL INFORMATION

11.1 Information on toxicological effects

Product

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

Acute inhalation toxicity Acute toxicity estimate : > 5 mg/l
Exposure time: 4 h
Test atmosphere: dust/mist
Method: Calculation method

Acute dermal toxicity Acute toxicity estimate : > 2.000 mg/kg
Method: Calculation method

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Skin corrosion/irritation	Repeated exposure may cause skin dryness or cracking.
Serious eye damage/eye irritation	Based on available data, the classification criteria are not met.
Respiratory or skin sensitisation	May cause an allergic skin reaction. Does not cause respiratory sensitisation.
Germ cell mutagenicity Genotoxicity in vitro	Based on available data, the classification criteria are not met.
Carcinogenicity	Based on available data, the classification criteria are not met.
Reproductive toxicity 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	May cause respiratory irritation., May cause drowsiness or dizziness.
STOT - repeated exposure	Based on available data, the classification criteria are not met.
Aspiration hazard	May be fatal if swallowed and enters airways.
Human experience	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.

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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

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).

Components:

Hydrocarbons, C9, aromatics :

Skin corrosion/irritation

Repeated exposure may cause skin dryness or cracking.

STOT - single exposure

Exposure routes: Inhalation

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

Aspiration hazard

May be fatal if swallowed and enters airways.

Hexamethylene diisocyanate, homopolymer :

Acute inhalation toxicity

LC50 Rat: 0,1 - 0,5 mg/l

Exposure time: 4 h

Test atmosphere: dust/mist

Method: OECD Test Guideline 403

The substance was tested in a form (i.e. specific particle size distribution) that is different from the forms in which the substance is placed on the market and in which it can reasonably be expected to be used. Based on the "split-entry" concept and available data on particle size during end-use of the substance a modified classification for acute inhalation toxicity is justified.

Conversion value of the acute toxicity 1.5 mg/l

Respiratory or skin sensitisation

Species: Mouse

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May cause an allergic skin reaction.

Method: OECD Test Guideline 429

STOT - single exposure

Exposure routes: Inhalation
May cause respiratory irritation.

xylene (mixture of isomers) :

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

Causes skin irritation.

Serious eye damage/eye
irritation

Causes serious eye irritation.

STOT - single exposure

Exposure routes: Inhalation
May cause respiratory irritation.

STOT - repeated exposure

May cause damage to organs through prolonged or
repeated exposure.

Aspiration hazard

May be fatal if swallowed and enters airways.

4-isocyanatosulphonyltoluene :

Skin corrosion/irritation

Causes skin irritation.

Serious eye damage/eye
irritation

Causes serious eye irritation.

Respiratory or skin
sensitisation

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

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STOT - single exposure

Exposure routes: Inhalation
May cause respiratory irritation.

SECTION 12: ECOLOGICAL INFORMATION

12.1 Toxicity

Product:

Toxicity to fish

No data available

12.2 Persistence and degradability

Product:

Biodegradability

No data available

Components:**Hydrocarbons, C9, aromatics :**

Biodegradability

Result: rapidly degradable

12.3 Bioaccumulative potential

Product:

Bioaccumulation

No data available

Components:**xylene (mixture of isomers) :**Partition coefficient: n-
octanol/water

log Pow: > 3

2-methoxy-1-methylethyl acetate :Partition coefficient: n-
octanol/water

log Pow: 0,43 (20 °C)

12.4 Mobility in soil

Product:

Mobility

No data available

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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.
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12.6 Other adverse effects

Product:

Additional ecological information	Do not allow product to enter into ground water, bodies of water or sewage systems.
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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" Unhardened product residues should be disposed of under the recommended waste code number.
Contaminated packaging	Empty packaging should be recycled through disposal systems.
Waste key for the unused product	08 01 11*: Paint and varnish waste containing organic solvents or other dangerous substances : (*) hazardous waste in terms of the European directive 91/689/EEC

SECTION 14: TRANSPORT INFORMATION

14.1 UN number

ADR	1866
IMDG	1866
IATA	1866

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14.2 UN proper shipping name

ADR	RESIN SOLUTION
IMDG	RESIN SOLUTION (Hydrocarbons, C9, aromatics)
IATA	Resin solution

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

Packaging group	III
Labels	3

14.5 Environmental hazards

ADR

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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

H226	: Flammable liquid and vapour.
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.
H319	: Causes serious eye irritation.
H332	: Harmful if inhaled.
H334	: May cause allergy or asthma symptoms or breathing difficulties if inhaled.
H335	: May cause respiratory irritation.
H336	: May cause drowsiness or dizziness.
H373	: May cause damage to organs through prolonged or repeated exposure.
H411	: Toxic to aquatic life with long lasting effects.

Full text of other abbreviations

Acute Tox.	: Acute toxicity
Aquatic Chronic	: Chronic aquatic toxicity
Asp. Tox.	: Aspiration hazard
Eye Irrit.	: Eye irritation
Flam. Liq.	: Flammable liquids
Resp. Sens.	: Respiratory sensitisation
Skin Irrit.	: Skin irritation
Skin Sens.	: Skin sensitisation
STOT RE	: Specific target organ toxicity - repeated exposure
STOT SE	: Specific target organ toxicity - single exposure

ADN - European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways; ADR - European Agreement concerning the International Carriage of Dangerous Goods by Road; AICS - Australian Inventory of Chemical Substances; ASTM - American Society for the Testing of Materials; bw - Body weight; CLP - Classification Labelling Packaging Regulation; Regulation (EC) No 1272/2008; CMR - Carcinogen, Mutagen or Reproductive Toxicant; DIN - Standard of the German Institute for Standardisation; DSL - Domestic Substances List (Canada); ECHA - European Chemicals Agency; EC-Number - European Community number; ECx - Concentration associated with x% response; ELx - Loading rate associated with x% response; EmS - Emergency Schedule; ENCS - Existing and New Chemical Substances (Japan); ErCx - Concentration associated with x% growth rate response; GHS - Globally Harmonized System; GLP - Good Laboratory Practice; IARC - International Agency for Research on Cancer; IATA - International Air Transport Association; IBC - International Code for the Construction and Equipment of Ships carrying Dangerous Chemicals in Bulk; IC50 - Half maximal inhibitory concentration; ICAO - International Civil Aviation Organization; IECSC

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- 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; 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

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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