

SAFETY DATA SHEET

SÜDWEST 2K-All-Grund Streichlack-Zusatz

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

1.1 Product identifier Trade name	SÜDWEST 2K-All-Grund Streichlack-Zusatz
1.2 Relevant identified uses of the substance or mixture and uses advised against	Additional component Reserved for industrial and professional use.
Uses advised against	Industrial spraying, Non industrial spraying
1.3 Details of the	SÜDWEST Lacke + Farben GmbH & Co.KG
supplier of the safety data sheet	Iggelheimer Str. 13 D - 67459 Böhl-Iggelheim Telephone: +49 6324/709-0 Telefax: +49 6324/709-175 www.suedwest.de
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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	

Skin irritation, Category 2 H315: Causes skin irritation.

Eye irritation, Category 2	H319: Causes serious eye irritation.
Skin sensitisation, Category 1	H317: May cause an allergic skin reaction.
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.
Specific target organ toxicity - repeated exposure, Category 2	H373: May cause damage to organs through prolonged or repeated exposure.
Aspiration hazard, Category 1	H304: May be fatal if swallowed and enters airways.
Long-term (chronic) aquatic hazard, Category 3	H412: Harmful to aquatic life with long lasting effects.

according to Regulation (EC) No.

1907/2006

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.

	H315 H317 H319 H335 H336 H373 H412	Causes skin irritation. May cause an allergic skin reaction. Causes serious eye irritation. May cause respiratory irritation. May cause drowsiness or dizziness. May cause damage to organs through prolonged or repeated exposure. Harmful to aquatic life with long lasting effects.
Precautionary	Prevention:	
statements	P210	Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
	P280	Wear protective gloves/ eye protection/ face protection.
	P284	Wear respiratory protection.
	Response:	
	P301 + P312 +	P330 IF SWALLOWED: Call a POISON CENTER/doctor if you feel unwell. Rinse mouth.
	P303 + P361 +	P353 IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water or shower.
	P305 + P351 +	P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to
		do. Continue rinsing.
	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:		
	n-butyl acetate	
	xylene (mixture o	f isomers) liisocyanate, homopolymer
l	4-isocyanatosulp	

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

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)
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	≥ 20 - < 25
Hexamethylene diisocyanate, homopolymer	28182-81-2 01-2119488934-20- XXXX	Acute Tox.4; H332 Skin Sens.1; H317 STOT SE3; H335	≥ 20 - < 25
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 registration, but still serves as identification in other areas.	≥ 20 - < 25
4- isocyanatosulphonylt oluene	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 - < 0,5
Substances with a wo 2-methoxy-1- methylethyl acetate	rkplace exposure limit : 108-65-6 203-603-9 01-2119475791-29- XXXX	Flam. Liq.3; H226	≥ 2,5 - < 5

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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. 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 No information available. Symptoms

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	CO2, extinguishing powder or water spray. Fight larger fires
media	with water spray or alcohol resistantfoam.

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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)
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. Prevent unauthorized access.
6.2 Environmental precautions	Prevent seepage into sewage system, workpits andcellars. 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 (CO2 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.

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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.
Take off immediately all contaminated clothing.
Keep working clothes separately.
Remove and wash contaminated clothing and gloves,

Hygiene measuresTake 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

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 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

xylene (mixture of isome	rs)	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

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Additional advice:	Identifies the possibility of significant uptake through the skin Indicative	
2-methoxy-1-methylethy	/l 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 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	For brief exposure or low level concentrations use a respiratory filter; for more intense or longer exposure use a self-contained respiratory protective device. Respiratory filter for brief exposure: 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 andcellars. Do not allow contact with soil, surface or ground water. If the product contaminates rivers and lakes or drains inform respective authorities.
	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
рН	not determined
Melting point/freezing point	No data available

Initial boiling point and boiling range	> 124 °C
Flash point	32 °C
Evaporation rate	not determined
Flammability (solid, gas)	not applicable
Upper explosion limit / Upper flammability limit	7,5 %(V)
Lower explosion limit / Lower flammability limit	0,6 %(V)
Vapour pressure	13 hPa (20 °C)
Vapour density	No data available
Density	ca. 0,9 - 0,95 g/cm³
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. 80 mPa.s (20 °C)
Viscosity, kinematic	ca. 86,2 mm²/s (40 °C)
Explosive properties	Not explosive In use may form flammable/explosive vapour-air mixture.
Oxidizing properties	Not applicable
9.2 Other information	
Ignition temperature	420 °C
Flow time	No data available

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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. Keep away from oxidizing agents, strongly alkaline and strongly acid materials in order to avoid exothermic
	reactions. With water (moisture): CO2 is produced; pressuremay 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

temperature

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	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 according to Regulation (EC) No.

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

Components:

xylene (mixture of isomers):

Acute inhalation toxicity	LC50 (Rat): 11 mg/l Exposure time: 4 h Test atmosphere: vapour
	rest atmosphere. vapour

Acute dermal toxicity Harmful in contact with skin.

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 ditribution) 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

Skin corrosion/irritation <u>Product:</u>

Causes skin irritation.

Components: xylene (mixture of isomers):

Causes skin irritation.

Hydrocarbons, C9, aromatics:

Repeated exposure may cause skin dryness or cracking.

4-isocyanatosulphonyltoluene:

Causes skin irritation.

Serious eye damage/eye irritation Product:

Causes serious eye irritation.

Components: xylene (mixture of isomers):

Causes serious eye irritation.

4-isocyanatosulphonyltoluene:

Causes serious eye irritation.

Respiratory or skin sensitisation <u>Product:</u>

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

Components:

Hexamethylene diisocyanate, homopolymer:

Species Method Mouse OECD Test Guideline 429 May cause an allergic skin reaction.

4-isocyanatosulphonyltoluene:

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.

Reproductive toxicity

Product:Effects on fertilityBased on available data, the classification criteria are
not met.

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

STOT - single exposure <u>Product:</u>

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Assessment	May cause respiratory irritation., May cause drowsiness or dizziness.
Components: xylene (mixture of isomers):	
Exposure routes Assessment	Inhalation May cause respiratory irritation.

Hexamethylene diisocyanate, homopolymer:

Exposure routes	,	Inhalation
Assessment		May cause respiratory irritation.

Hydrocarbons, C9, aromatics:

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

4-isocyanatosulphonyltoluene:

Exposure routes	Inhalation
Assessment	May cause respiratory irritation.

STOT - repeated exposure Product:

Assessment

May cause damage to organs through prolonged or repeated exposure.

Components:

xylene (mixture of isomers):

Assessment

May cause damage to organs through prolonged or repeated exposure.

Aspiration toxicity <u>Product:</u> May be fatal if availanted on

May be fatal if swallowed and enters airways.

Components:

xylene (mixture of isomers):

May be fatal if swallowed and enters airways.

Hydrocarbons, C9, aromatics:

May be fatal if swallowed and enters airways.

Experience with human exposure

Product: General Information

Exposure to component solvent vapours concentration in excess of the stated occupational exposure limit may result in adverse health effects. Such as: mucous membrane irritation, respiratory system irritation, adverse effects on kidney, liver and central nervous system. Symptoms and signs: headache, dizziness, fatigue, muscular weakness, drowsiness and in extreme cases loss of consciousness. Long-term or repeated contact with the product leads to degreasing of the skin and can cause nonallergenic contact skin damage (contact dermatitis) and / or the resorption of substances.

Solvent sprays can cause irritation and reversible damage to the eye.

Further information <u>Product:</u>

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

<u>Components:</u> Hydrocarbons, C9, aromatics :

Toxicity to fish	LC50 (Oncorhynchus mykiss (rainbow trout)): 9,22 mg/l Exposure time: 96 h
Toxicity to daphnia and	EC50 (Daphnia magna (Water flea)): 6,14 mg/l

other aquatic invertebrates Exposure time: 48 h

12.2 Persistence and degradability

Product:

Biodegradability	No data available
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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- log Pow: > 3 octanol/water

2-methoxy-1-methylethyl acetate :

Partition coefficient: n- log Pow: 0,43 (20 °C) octanol/water

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
informationDo 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" Unhardened product residues should be disposed of under the recommended waste code number.
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* 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	
ΙΑΤΑ	1866	
14.2 UN proper shipping name		
ADR	RESIN SOLUTION	
IMDG	RESIN SOLUTION	
ΙΑΤΑ	Resin solution	
14.3 Transport hazard class(es)		
ADR	3	
IMDG	3	
ΙΑΤΑ	3	
14.4 Packing group ADR		
Packing group	111	
Classification Code	F1	

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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>	
ΙΑΤΑ		
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

SECTION 15: REGULATORY INFORMATION

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

VOC Directive 2010/75/EU

77,3 % 717,7 g/l

VOC Directive 2004/42/EC

does not fall under Directive 2004/42/EC

Further notes

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

15.2 Chemical safety assessment

The results of the chemical safety assessment are documented in the safety data sheet.

SECTION 16: OTHER INFORMATION

Changes from the previous version are indicated by markings in the left-hand margin.

The information in this Safety Data Sheet corresponds to our present state of knowledge and conforms to both national and EU legislation. The user's working conditions are, however, beyond our knowledge and control. The user is responsible for complying with all necessary legal requirements. The information in this Safety Data Sheet describes the safety requirements of our product and does not constitute any assurance of product properties.

Full text of H-Statements

H226	: Flammable liquid and vapour.	
H304	: May be fatal if swallowed and enters airways.	
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 toxt of other abbreviations		

Full text of other abbreviations

Acute Tox.	Acute toxicity
Aquatic Chronic	: Long-term (chronic) aquatic hazard
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 - 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

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

according to Regulation (EC) No. 1907/2006

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up. We ask for your understanding in this matter.

Department issuing MSDS REG_EU / EN sdb@suedwest.de