

# SÜDWEST 2K-Acryl-Hochglanzlack

Ref. 13000006102/

Rev. no. 1.3

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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-Hochglanzlack

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

Coating compound/ Surface coating/ paint

Reserved for industrial and professional use.

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

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E-mail address of person responsible for the SDS

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European Union

1.4 Emergency telephone number

European Union

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#### **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 irritation, Category 2 H315: Causes skin irritation.

Eye irritation, Category 2 H319: Causes serious eye irritation.

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.

Chronic aquatic toxicity,

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	Warning	
Hazard statements	H226	Flammable liquid and vapour.
	H315	Causes skin irritation.
	H319	Causes serious eye irritation.
	H335	May cause respiratory irritation.
	H336	May cause drowsiness or dizziness.
	H373	May cause damage to organs through prolonged or repeated exposure.
	H412	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/ protective

clothing/ eye protection/ face protection.

P284 Wear respiratory protection.

Response:

P305 + P351 + P338 + P310 IF IN EYES: Rinse

cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a POISON

CENTER/doctor.

P303 + P361 + P353 IF ON SKIN (or hair): Take off

immediately all contaminated clothing.

Rinse skin with water/shower.

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:

xylene (mixture of isomers)

#### 2.3 Other hazards

Results of PBT and vPvB assessment Not applicable

#### **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)
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	≥ 10 - < 20
Hydrocarbons, C9, aromatics	64742-95-6 01-2119455851-35-	Asp. Tox.1; H304 Flam. Liq.3; H226 STOT SE3; H335,	≥ 10 - < 20

	XXXX	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.	
n-butyl acetate	123-86-4 204-658-1 01-2119485493-29- 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.

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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.

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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. 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.

Take measures to prevent the build up of electrostatic

charge.

Advice on common

storage

Keep away from combustible materials.

Keep away from food, drink and animal feedingstuffs. Keep away from oxidizing agents and strongly acid or

alkaline materials.

7.3 Specific end use(s) For further information, see also Technical Data Sheet for

the product.

#### **SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION**

#### 8.1 Control parameters

#### **Exposure limit(s)**

Components		CAS-No.
Basis	Type:	Control
		parameters
xylene (mixture of isom	ners)	1330-20-7
2000/39/EC	Limit Value - eight hours	221 mg/m <sup>3</sup>
2000/39/EC	Limit Value - eight hours	50 ppm
Additional advice:	Identifies the possibility of significant	_
	uptake through the skin	
	Indicative	
2000/39/EC	Short term exposure limit	442 mg/m <sup>3</sup>
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 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 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 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

If the product is used as part of a system, the protective measures recommended there must be observed.

#### **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

pH

not determined

Melting point/freezing

No data available

point

Initial boiling point and

boiling range

127 °C

Flash point 31,7 °C

Evaporation rate not determined Flammability (solid, gas) not applicable

 $\begin{array}{lll} \text{Lower explosion limit} & 0.6 \ \%(\text{V}) \\ \text{Upper explosion limit} & 7.5 \ \%(\text{V}) \\ \end{array}$ 

Vapour pressure 13 hPa, 20 °C
Vapour density not determined
Density ca. 0,935 g/cm³

Solubility(ies)(Water) insoluble

Partition coefficient: n-

octanol/water

not determined

Auto-ignition temperature not auto-flammable

Ignition temperature 400 °C

Viscosity, dynamic 150 mPa.s (40 °C)

Viscosity, kinematic ca. 160,4 mm<sup>2</sup>/s, 40 °C

Explosive properties Not explosive, In use may form flammable/explosive

vapour-air mixture.

Oxidizing properties Not applicable

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#### 9.2 Other information

Flow time No data available

Solid content 51,8 %

#### **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.

No decomposition if stored and applied as directed.

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

Decomposition

No data available

temperature

#### **SECTION 11: TOXICOLOGICAL INFORMATION**

#### 11.1 Information on toxicological effects

#### **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

Skin corrosion/irritation Causes skin irritation.

Serious eye damage/eye

irritation

Causes serious eye irritation.

Respiratory or skin

sensitisation

Based on available data, the classification criteria are

not met.

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 May cause damage to organs through prolonged or

repeated exposure.

Aspiration hazard Based on available data, the classification criteria are

not met.

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. 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:

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.

Hydrocarbons, C9, aromatics:

Skin corrosion/irritation Repeated exposure may cause skin dryness or cracking.

May cause respiratory irritation., May cause drowsiness

or dizziness.

Aspiration hazard May be fatal if swallowed and enters airways.

n-butyl acetate:

Acute oral toxicity LD50 Rat: 10.760 mg/kg

Acute inhalation toxicity LC50 Rat: 23,4 mg/l

Exposure time: 4 h

Method: OECD Test Guideline 403

Acute dermal toxicity LD50 Rabbit: > 14.112 mg/kg

Method: OECD Test Guideline 402

Skin corrosion/irritation Repeated exposure may cause skin dryness or cracking.

STOT - single exposure Exposure routes: inhalation (vapour)

May cause drowsiness or dizziness.

#### **SECTION 12: ECOLOGICAL INFORMATION**

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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

n-butyl acetate:

Biodegradability Result: rapidly degradable

Biodegradation: > 90 % Exposure time: 28 d

12.3 Bioaccumulative potential

**Product:** 

Bioaccumulation No data available

**Components:** 

xylene (mixture of isomers):

Partition coefficient: n-

octanol/water

log Pow: > 3

n-butyl acetate:

Partition coefficient: n-

octanol/water

log Pow: 2,3Method: OECD Test Guideline 117

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

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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.

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** 1263

**IMDG** 1263

IATA 1263

14.2 UN proper shipping name

ADR PAINT

IMDG PAINT
IATA Paint

14.3 Transport hazard class(es)
ADR 3
IMDG 3
IATA 3

14.4 Packing group

**ADR** 

Packing group III

Classification Code F1

Hazard Identification 30

Number

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** 

Environmentally hazardous no

**IMDG** 

Marine pollutant no

#### 14.6 Special precautions for user

Remarks This information is not available.

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

Remarks Not applicable

#### Additional advice

ADR ADR: Packages < 450l: No dangerous goods (ADR

2.2.3.1.5)

IMDG: Packages < 301: 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

Directive 2010/75/EU 38.5 %

575 g/l

Directive 2004/42/EC

does not fall under Directive 2004/42/EC

Other regulations Comply with the statutory regulations on health and safety at

work.

Take note of Dir 94/33/EC on the protection of young people

at work.

Take note of Dir 92/85/EEC on the safety and health at work

of pregnant workers.

#### 15.2 Chemical Safety Assessment

This information is not available.

#### **SECTION 16: OTHER INFORMATION**

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

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

#### **Full text of H-Statements**

H226 : F	Flammable liquid and vapour.
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H304 : May be fatal if swallowed and enters airways.

H312 : Harmful in contact with skin. H315 : Causes skin irritation.

H319 : Causes serious eye irritation.

H332 : Harmful 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
Skin Irrit. : Skin irritation

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; 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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