

SAFETY DATA SHEET

SÜDWEST 2K-Acryl-Härter

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

1.1 Information on hazard classes as defined in Regulation (EC) No 1272/2008

Trade name SÜDWEST 2K-Acryl-Härter

Unique Formula Identifier (UFI) TH30-20YS-E004-60N4

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

Hardener

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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Telephone: +49 6324/709-0
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1.4 Emergency telephone number European Union

Phone: +44 (0) 1865 407333

SECTION 2: HAZARDS IDENTIFICATION

2.1 Classification of the substance or mixture

Classification (REGULATION (EC) No 1272/2008)

Flammable liquids, Category 2 H225: Highly flammable liquid and vapour.

SÜDWEST 2K-Acryl-Härter

Acute toxicity, Category 4	H332: Harmful if inhaled.
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.

2.2 Label elements**Labelling (REGULATION (EC) No 1272/2008)**

Hazard pictograms



Signal word	:	Danger
Hazard statements	:	H225 Highly flammable liquid and vapour. H315 Causes skin irritation. H317 May cause an allergic skin reaction. 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.
Precautionary statements	:	Prevention: P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. P280 Wear protective gloves/ eye protection/ face protection.

SÜDWEST 2K-Acryl-Härter

P284 Wear respiratory protection.

Response:

P303 + P361 + P353 IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water or shower.

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.

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:

ethyl acetate

Hexamethylene diisocyanate, homopolymer

xylene

4-isocyanatosulphonyltoluene

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.

Ecological information: The substance/mixture does not contain components considered to have endocrine disrupting properties according to REACH Article 57(f) or Commission Delegated regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at levels of 0.1% or higher.

Toxicological information: The substance/mixture does not contain components considered to have endocrine disrupting properties according to REACH Article 57(f) or Commission Delegated regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at levels of 0.1% or higher.

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS**3.2 Mixtures****Components**

Chemical name	CAS-No. EC-No. Index-No. Registration number	Classification	Concentration (% w/w)
ethyl acetate	141-78-6 205-500-4 607-022-00-5 01-2119475103-46-XXXX	Flam. Liq. 2; H225 Eye Irrit. 2; H319 STOT SE 3; H336 EUH066	≥ 30 - < 50
Hexamethylene diisocyanate, homopolymer	Not Assigned 500-060-2 01-2119485796-17-XXXX	Acute Tox. 4; H332 Skin Sens. 1; H317 STOT SE 3; H335	≥ 30 - < 50
xylene	1330-20-7 215-535-7 601-022-00-9 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 SE 3; H335 STOT RE 2; H373 Asp. Tox. 1; H304	≥ 20 - < 30
n-butyl acetate	123-86-4 204-658-1	Flam. Liq. 3; H226 STOT SE 3; H336	≥ 10 - < 20

SÜDWEST 2K-Acryl-Härter

	607-025-00-1 01-2119485493-29-XXXX	(Central nervous system) EUH066	
2-methoxy-1-methylethyl acetate	108-65-6 203-603-9 607-195-00-7 01-2119475791-29-XXXX	Flam. Liq. 3; H226 STOT SE 3; H336	$\geq 1 - < 10$
Hydrocarbons, C9, aromatics	64742-95-6 265-199-0 649-356-00-4 01-2119455851-35-XXXX	Asp. Tox. 1; H304 Flam. Liq. 3; H226 STOT SE 3; H335, H336 Aquatic Chronic 2; H411 EUH066	$\geq 1 - < 2,5$
4-isocyanatosulphonyltoluene	4083-64-1 223-810-8 615-012-00-7 01-2119980050-47-XXXX	Eye Irrit. 2; H319 STOT SE 3; H335 Skin Irrit. 2; H315 Resp. Sens. 1; H334 EUH014 specific concentration limit Eye Irrit. 2 $\geq 5 \%$ STOT SE 3 $\geq 5 \%$ Skin Irrit. 2 $\geq 5 \%$	$\geq 0,1 - < 1$

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

SÜDWEST 2K-Acryl-Härter

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

Contact with eyes or skin causes irritation.

Repeated or prolonged skin contact may cause skin irritation and/or dermatitis and sensitisation of susceptible persons.

4.3 Indication of any immediate medical attention and special treatment needed

Treatment

Treat symptomatically.

When symptoms persist or in all cases of doubt seek medical advice.

SECTION 5: FIREFIGHTING MEASURES

5.1 Extinguishing media

Suitable extinguishing media

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

Unsuitable extinguishing media

High volume water jet

5.2 Special hazards arising from the substance or mixture

Fire may cause evolution of:

Carbon monoxide

Carbon dioxide (CO₂)

Nitrogen oxides (NO_x)

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 and cellars.

Do not allow contact with soil, surface or ground water.

If the product contaminates rivers and lakes or drains inform respective authorities.

SÜDWEST 2K-Acryl-Härter

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.

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 all contaminated clothing immediately.

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 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.

SÜDWEST 2K-Acryl-Härter

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

ethyl acetate		141-78-6
2017/164/EU	Limit Value - eight hours	734 mg/m ³
2017/164/EU	Limit Value - eight hours	200 ppm
Additional advice:	Indicative	
2017/164/EU	Short term exposure limit	1.468 mg/m ³
2017/164/EU	Short term exposure limit	400 ppm
Additional advice:	Indicative	
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	
n-butyl acetate		123-86-4
2019/1831/EU	Short term exposure limit	723 mg/m ³
2019/1831/EU	Short term exposure limit	150 ppm
Additional advice:	Indicative	
2019/1831/EU	Limit Value - eight hours	241 mg/m ³
2019/1831/EU	Limit Value - eight hours	50 ppm
Additional advice:	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	

SÜDWEST 2K-Acryl-Härter

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 | <p>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!</p> <p>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:</p> <p>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!</p> <p>The selected protective gloves have to satisfy the specifications of Regulation (EU) 2016/425 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.</p> |
| Body Protection | <p>Impervious clothing
If splashes are likely to occur, wear:
Solvent-resistant apron and boots</p> |
| c) Respiratory protection | <p>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</p> |

SÜDWEST 2K-Acryl-Härter

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.

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	substance/mixture is non-soluble (in water)
Melting point/freezing point	No data available
Initial boiling point and boiling range	No data available
Flash point	ca. 5,5 °C
Evaporation rate	not applicable
Flammability (solid, gas)	not applicable
Upper explosion limit / Upper flammability limit	No data available
Lower explosion limit / Lower flammability limit	No data available
Vapour pressure	No data available
Vapour density	No data available
Density	ca. 0,96 g/cm ³
Solubility(ies) Water solubility	insoluble
Partition coefficient: n-octanol/water	not determined

SÜDWEST 2K-Acryl-Härter

Auto-ignition temperature	not auto-flammable
Decomposition temperature	No data available
Viscosity	
Viscosity, dynamic	No data available
Viscosity, kinematic	ca. 58,3 mm ² /s (40 °C)
Explosive properties	Not explosive
Oxidizing properties	Not applicable

9.2 Other information

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): CO ₂ is produced; pressure may build up inside closed containers (danger of bursting)
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10.4 Conditions to avoid

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

Materials to avoid	Acids and bases Amines and alcohols cause exothermic reactions.
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10.6 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)

SECTION 11: TOXICOLOGICAL INFORMATION

SÜDWEST 2K-Acryl-Härter

11.1 Information on hazard classes as defined in Regulation (EC) No 1272/2008

Acute toxicity

Product:

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

Acute inhalation toxicity Acute toxicity estimate: 3,46 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

Components:

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

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:

Causes skin irritation.

Components:

ethyl acetate:

Repeated exposure may cause skin dryness or cracking.

xylene:

Causes skin irritation.

n-butyl acetate:

Repeated exposure may cause skin dryness or cracking.

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:

ethyl acetate:

Causes serious eye irritation.

xylene:

SÜDWEST 2K-Acryl-Härter

Causes serious eye irritation.

4-isocyanatosulphonyltoluene:

Causes serious eye irritation.

Respiratory or skin sensitisation**Product:**

May cause an allergic skin reaction.

Does not cause respiratory sensitisation.

Components:**Hexamethylene diisocyanate, homopolymer:**

Species

Mouse

Method

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 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 respiratory irritation., May cause drowsiness or dizziness.

Components:**ethyl acetate:**

Exposure routes

inhalation (vapour)

Assessment

May cause drowsiness or dizziness.

Hexamethylene diisocyanate, homopolymer:

Exposure routes

Inhalation

Assessment

May cause respiratory irritation.

xylene:

Exposure routes

Inhalation

Assessment

May cause respiratory irritation.

n-butyl acetate:

Exposure routes

inhalation (vapour)

SÜDWEST 2K-Acryl-Härter

Assessment May cause drowsiness or dizziness.

2-methoxy-1-methylethyl acetate:

Assessment May cause drowsiness or dizziness.

Hydrocarbons, C9, aromatics:

Exposure routes Inhalation

Assessment May 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:**

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:**xylene:**

May be fatal if swallowed and enters airways.

Hydrocarbons, C9, aromatics:

May be fatal if swallowed and enters airways.

Toxicology, Metabolism, Distribution**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).

11.2 Information on other hazards**Endocrine disrupting properties****Product:**

Assessment : The substance/mixture does not contain components considered to have endocrine disrupting properties according to REACH Article 57(f) or Commission Delegated regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at levels of 0.1% or higher.

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.

SÜDWEST 2K-Acryl-Härter

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

Product:

Remarks

: 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:

Hydrocarbons, C9, aromatics:

Toxicity to fish

LC50 (Oncorhynchus mykiss (rainbow trout)): 9,22 mg/l
Exposure time: 96 h

Toxicity to daphnia and other aquatic invertebrates

EC50 (Daphnia magna (Water flea)): 6,14 mg/l
Exposure time: 48 h

12.2 Persistence and degradability

Product:

Biodegradability

No data available

Components:

n-butyl acetate:

Biodegradability

rapidly degradable
Biodegradation: > 90 %
Exposure time: 28 d

Hydrocarbons, C9, aromatics:

Biodegradability

rapidly degradable

12.3 Bioaccumulative potential

Product:

Bioaccumulation

No data available

Components:

ethyl acetate:

Partition coefficient: n-octanol/water

log Pow: 0,68 (25 °C)

SÜDWEST 2K-Acryl-Härter

xylene:

Partition coefficient: n-octanol/water

log Pow: > 3

n-butyl acetate:

Partition coefficient: n-octanol/water

log Pow: 2,3

Method: OECD Test Guideline 117

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

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 Endocrine disrupting properties**Product:**

Assessment

: The substance/mixture does not contain components considered to have endocrine disrupting properties according to REACH Article 57(f) or Commission Delegated regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at levels of 0.1% or higher.

12.7 Other adverse effects**Product:**

Additional ecological information

Do not allow product to enter into ground water, bodies of water or sewage systems.

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* waste paint and varnish containing organic solvents or other hazardous substances

SÜDWEST 2K-Acryl-Härter

(*) hazardous waste in terms of the European directive
2008/98/EG

SECTION 14: TRANSPORT INFORMATION

14.1 UN number or ID number

ADR	1866
IMDG	1866
IATA	1866

14.2 UN proper shipping name

ADR	RESIN SOLUTION
IMDG	RESIN SOLUTION
IATA	Resin solution

14.3 Transport hazard class(es)

ADR	3
IMDG	3
IATA	3

14.4 Packing group

ADR	
Packing group	II
Classification Code	F1
Hazard Identification Number	33
Labels	3
Tunnel restriction code	(D/E)
IMDG	
Packaging group	II
Labels	3
EmS number	F-E, <u>S-E</u>
IATA	
Packaging group	II
Labels	3

14.5 Environmental hazards

ADR

SÜDWEST 2K-Acryl-Härter

Environmentally hazardous : no

IMDG

Marine pollutant : no

14.6 Special precautions for user

Remarks This information is not available.

14.7 Maritime transport in bulk according to IMO instruments

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 69,7 %

VOC
Directive 2004/42/EC

does not fall under Directive 2004/42/EC

Regulation (EC) No 649/2012 of the European Parliament and the Council concerning the export and import of dangerous chemicals Not applicable

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

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.

SÜDWEST 2K-Acryl-Härter

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

H225	: Highly flammable liquid and vapour.
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	: 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 - Agreement concerning the International Carriage of Dangerous Goods by Road; AIIIC - Australian Inventory of Industrial Chemicals; 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

SÜDWEST 2K-Acryl-Härter

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; TECI - Thailand Existing Chemicals 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

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