

SÜDWEST 2K-All-Grund Streichlack-Zusatz

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.

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.

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Precautionary statements	H315	Causes skin irritation.
	H317	May cause an allergic skin reaction.
	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.
	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.
	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 of isomers)
Hexamethylene diisocyanate, homopolymer
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.

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

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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-isocyanatosulphonyltoluene	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 workplace exposure limit :			
2-methoxy-1-methylethyl acetate	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

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 resistant foam.

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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 (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.

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.

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

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 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

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Additional advice: Identifies the possibility of significant uptake through the skin
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!

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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 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	various
Odour	characteristic
Odour Threshold	No data available
pH	not determined
Melting point/freezing point	No data available

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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/cm ³
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 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	
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; 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

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

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

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

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 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

Skin corrosion/irritation

Product:

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.

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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

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:

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

Components:

|| **xylene (mixture of isomers):**

Exposure routes Inhalation
Assessment May cause respiratory irritation.

|| **Hexamethylene diisocyanate, homopolymer:**

Exposure routes Inhalation
Assessment May cause respiratory irritation.

|| **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 (mixture of isomers):**

Assessment May cause damage to organs through prolonged or repeated exposure.

Aspiration toxicity

Product:

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.

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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

Product:

The product itself has not been tested. The mixture is classified in accordance with Annex I to EC Directive 1272/2008. (See sections 2 and 3 for details).

SECTION 12: ECOLOGICAL INFORMATION

12.1 Toxicity

Product:

Toxicity to fish No data available

Components:

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:

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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

12.5 Results of PBT and vPvB assessment**Product:**

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

12.6 Other adverse effects**Product:**Additional ecological
information Do not 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

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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, S-E

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

SECTION 15: REGULATORY INFORMATION

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

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up. We ask for your understanding in this matter.

Department issuing
MSDS
REG_EU / EN

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