

SAFETY DATA SHEET

SÜDWEST wikulac FH 20

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

1.1 Product identifier

Trade name SÜDWEST wikulac FH 20

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

Primer

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
Iggelheimer Str. 13
D - 67459 Böhl-Iggelheim
Telephone: +49 6324/709-0
Telefax: +49 6324/709-175
www.suedwest.de

E-mail address of person responsible for the SDS
European Union

sdb@suedwest.de

1.4 Emergency telephone number
European Union

Phone: +44 (0)1235 239 670

SECTION 2: HAZARDS IDENTIFICATION

2.1 Classification of the substance or mixture

Classification (REGULATION (EC) No 1272/2008)

Flammable liquids,
Category 3

H226: Flammable liquid and vapour.


Acute toxicity, Category 4

H332: Harmful if inhaled.

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Eye irritation, Category 2	H319: Causes serious eye irritation.
Respiratory sensitisation, Category 1	H334: May cause allergy or asthma symptoms or breathing difficulties if inhaled.
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.

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

Hazard pictograms		
Signal word	Danger	
Hazard statements	H226 H317 H319 H332 H334 H336	Flammable liquid and vapour. May cause an allergic skin reaction. Causes serious eye irritation. Harmful if inhaled. May cause allergy or asthma symptoms or breathing difficulties if inhaled. May cause drowsiness or dizziness.
Supplemental Hazard Statements	EUH066	Repeated exposure may cause skin dryness or cracking.
Precautionary statements	Prevention: P210 P261 P280 Response:	Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Avoid breathing vapours. Wear protective gloves/ eye protection/ face protection.

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

P304 + P341 IF INHALED: If breathing is difficult, remove victim to fresh air and keep at rest in a position comfortable for breathing.

P342 + P311 If experiencing respiratory symptoms: Call a POISON CENTER/doctor.

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
Aromatic polyisocyanate
m-tolylidene diisocyanate

Additional Labelling:

EUH204

Contains isocyanates. May produce an allergic reaction.

2.3 Other hazards

Results of PBT and vPvB assessment
Not applicable

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

Chemical nature

Aromatic polyisocyanate.

Hazardous components

Chemical name	CAS-No. EC-No. Registration number	Classification (REGULATION (EC) No 1272/2008)	Concentration (% w/w)
Aromatic polyisocyanate	53317-61-6	Eye Irrit.2; H319 Skin Sens.1; H317	≥ 10 - < 20
Toluene diisocyanate, oligomeric reaction	103051-64-5	Skin Sens.1; H317	≥ 1 - < 10

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products with 2,2'-oxydiethanol and propylidenetriethanol			
m-tolylidene diisocyanate	26471-62-5 247-722-4 01-2119454791-34-XXXX	Carc.2; H351 Acute Tox.1; H330 Eye Irrit.2; H319 STOT SE3; H335 Skin Irrit.2; H315 Resp. Sens.1; H334 Skin Sens.1; H317 Aquatic Chronic3; H412 Note C	≥ 0,1 - < 0,25

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.
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4.3 Indication of any immediate medical attention and special treatment needed

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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.

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
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
Avoid contact with skin and eyes.
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.

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.

SÜDWEST wikulac FH 20**SECTION 7: HANDLING AND STORAGE****7.1 Precautions for safe handling**

Advice on safe handling	Avoid contact with skin and eyes. Do not breathe vapours or spray mist. Persons with a history of skin sensitisation problems or asthma, allergies, chronic or recurrent respiratory disease should not be employed in any process in which this mixture is being used. Comply with the statutory regulations on health and safety at work. Do not re-use empty containers.
Hygiene measures	Take off immediately all contaminated clothing. Keep working clothes separately. 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.
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SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION**8.1 Control parameters**

Contains no substances with occupational exposure limit values. The lists that were valid during the creation were used as basis.

8.2 Exposure controls

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Appropriate engineering controls

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

In case of inadequate ventilation wear respiratory protection.
Recommended Filter type:
A/P2 combination filter, alternatively a respiratory protective device independent from the surrounding air.
Respiratory protection complying with EN 14387.
For rescue and maintenance work in storage tanks use self-contained breathing apparatus.

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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.

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
Initial boiling point and boiling range	138 °C
Flash point	25,6 °C
Evaporation rate	not determined
Flammability (solid, gas)	not applicable
Lower explosion limit	1,0 %(V)
Upper explosion limit	7,8 %(V)
Vapour pressure	9 hPa, 20 °C
Vapour density	not determined
Density	ca. 0,949 g/cm ³ , 20 °C
Solubility(ies)(Water)	insoluble
Partition coefficient: n-octanol/water	not determined
Auto-ignition temperature	not auto-flammable
Decomposition temperature	No data available
Viscosity, dynamic	ca. 10 mPa.s (20 °C)
Viscosity, kinematic	ca. 10,9 mm ² /s, 40 °C
Explosive properties	Not explosive, In use may form flammable/explosive

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Oxidizing properties vapour-air mixture.
Not applicable

9.2 Other information

Flow time No data available
Solid content 23,92 %
Ignition temperature 430 °C

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

SÜDWEST wikulac FH 20**SECTION 11: TOXICOLOGICAL INFORMATION****11.1 Information on toxicological effects****Product**

Acute oral toxicity	Based on available data, the classification criteria are not met.
Acute inhalation toxicity	Acute toxicity estimate : 4,17 mg/l Exposure time: 4 h Test atmosphere: dust/mist Method: Calculation method
Acute dermal toxicity	Based on available data, the classification criteria are not met.
Skin corrosion/irritation	Repeated exposure may cause skin dryness or cracking.
Serious eye damage/eye irritation	Causes serious eye irritation.
Respiratory or skin sensitisation	May cause an allergic skin reaction. May cause allergy or asthma symptoms or breathing difficulties if inhaled.
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

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not met.

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

STOT - single exposure May cause drowsiness or dizziness.

STOT - repeated exposure Based on available data, the classification criteria are not met.

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:

Aromatic polyisocyanate :
Serious eye damage/eye irritation

Causes serious eye irritation.

Respiratory or skin sensitisation

May cause an allergic skin reaction.

Toluene diisocyanate, oligomeric reaction products with 2,2'-oxydiethanol and propylidenetrimethanol :

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Respiratory or skin sensitisation

May cause an allergic skin reaction.

m-tolyldiene diisocyanate :

Acute inhalation toxicity

LC50 Rat: 0,107 mg/l

Exposure time: 4 h

Test atmosphere: vapour

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.

Skin corrosion/irritation

Causes skin irritation.

Serious eye damage/eye irritation

Causes serious eye irritation.

Respiratory or skin sensitisation

May cause an allergic skin reaction.

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

Carcinogenicity

Suspected of causing cancer.

STOT - single exposure

Exposure routes: Inhalation
May cause respiratory irritation.

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

12.3 Bioaccumulative potential

Product:

Bioaccumulation No data available

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.

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.

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Contaminated packaging	Empty packaging should be recycled through disposal systems.
Waste key for the unused product	08 01 11*: Paint and varnish waste containing organic solvents or other dangerous substances : (*) hazardous waste in terms of the European directive 91/689/EEC

SECTION 14: TRANSPORT INFORMATION**14.1 UN number**

ADR	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 Number	30
Labels	3
Tunnel restriction code	(D/E)

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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
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IMDG

Marine pollutant	no
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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: Up to 5 l per inner package, transport as limited quantity in accordance with ADR 3.4.
IMDG	IMDG: Up to 5 l per inner package, transport as limited quantity in accordance with IMDG Code 3.4.

SECTION 15: REGULATORY INFORMATION**15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture**

Directive 2010/75/EU	75,52 % 716,68 g/l
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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

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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