

SÜDWEST TiefenGrund LH**3.2 Mixtures****Components**

Chemical name	CAS-No. EC-No. Index-No. Registration number	Classification	Concentration (% w/w)
Hydrocarbons, C9-C11, n-alkanes, isoalkanes, cyclics, <2% aromatics	64742-48-9 01-2119463258-33-XXXX	Asp. Tox. 1; H304 Flam. Liq. 3; H226 STOT SE 3; H336 EUH066	≥ 30 - < 50
Hydrocarbons, C9-C10, n-alkanes, isoalkanes, cyclics, <2% aromatics	64742-48-9 01-2119471843-32-XXXX	Flam. Liq. 3; H226 STOT SE 3; H336 (Central nervous system) Asp. Tox. 1; H304 Aquatic Chronic 3; H412 EUH066	≥ 30 - < 50
isobutyl methacrylate	97-86-9 202-613-0 607-113-00-X 01-2119488331-38-XXXX	Flam. Liq. 3; H226 STOT SE 3; H335 Skin Irrit. 2; H315 Skin Sens. 1B; H317 Eye Irrit. 2; H319 Aquatic Acute 1; H400	≥ 0,1 - < 0,25
monoalkyl or monoaryl or monoalkyaryl esters of methacrylic acid	688-84-6 211-708-6 607-134-00-4 01-2119490166-35-XXXX	Skin Sens. 1; H317 specific concentration limit STOT SE 3; H335 ≥ 10 %	≥ 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. 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

SÜDWEST TiefenGrund LH

plenty of water, also under the eyelids, for at least 15 minutes.
Seek medical advice.

Ingestion Rinse mouth with water.
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.

Risks Risk of product entering the lungs on vomiting after ingestion.

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.

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)
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.

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

Refer to protective measures listed in sections 7 and 8.

SÜDWEST TiefenGrund LH

sections

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 all contaminated clothing immediately. 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. Keep in a well-ventilated place. 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. Keep away from sources of ignition - No smoking. 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****Occupational Exposure Limits**

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

|| Monitoring procedures for the assessment of workplace exposure: standard EN 482

SÜDWEST TiefenGrund LH

8.2 Exposure controls

Engineering measures

Provide adequate ventilation. Where reasonably practicable this should be achieved 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.

Personal protective equipment

Eye/face protection : Safety glasses with side-shields conforming to EN166

Hand protection

Break through time : 480 min

Glove thickness : 0,4 mm

Remarks : 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 Regulation (EU) 2016/425 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.

Skin and 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.

Respiratory protection : When workers are facing concentrations above the occupational exposure limit values they must use appropriate certified respirators.

Breathing protection equipment required in inadequately ventilated places and during spraying.

In order to avoid inhalation of spray-mist and sanding dust, all spraying and sanding must be done wearing adequate respirator.

Combination filter A-P2

Respiratory protection complying with EN 14387.

SÜDWEST TiefenGrund LH**SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES****9.1 Information on basic physical and chemical properties**

Physical state	:	liquid
Colour	:	colourless
Odour	:	characteristic
Odour Threshold	:	No data available
Melting point/freezing point	:	No data available
Initial boiling point and boiling range	:	143 °C
Upper explosion limit / Upper flammability limit	:	8,0 %(V) Medium: Upper explosion limit
Lower explosion limit / Lower flammability limit	:	0,6 %(V) Medium: Lower explosion limit
Flash point	:	26 °C
Decomposition temperature	:	No data available

SÜDWEST TiefenGrund LH

pH : substance/mixture is non-soluble (in water)

Viscosity
Viscosity, dynamic : No data available

Viscosity, kinematic : ca. 12,8 mm²/s (40 °C)

Flow time : ca. 12 s at 20 °C
Method: ISO 2431

Solubility(ies)
Water solubility : insoluble

Partition coefficient: n-
octanol/water : not determined

Vapour pressure : 300 hPa (20 °C)

Density : ca. 0,78 g/cm³

Relative vapour density : not determined

9.2 Other information

Explosives : Not explosive

Oxidizing properties : Not applicable

SÜDWEST TiefenGrund LH

Flammability (liquids) : Not applicable

Self-ignition : not auto-flammable

Evaporation rate : not determined

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.

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

No decomposition if stored and applied as directed.

SECTION 11: TOXICOLOGICAL INFORMATION**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 : Based on available data, the classification criteria are not met.

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

Skin corrosion/irritation**Product:**

Repeated exposure may cause skin dryness or cracking.

SÜDWEST TiefenGrund LH**Components:****Hydrocarbons, C9-C11, n-alkanes, isoalkanes, cyclics, <2% aromatics:**Method OECD Test Guideline 404
Repeated exposure may cause skin dryness or cracking.**Hydrocarbons, C9-C10, n-alkanes, isoalkanes, cyclics, <2% aromatics:**

Repeated exposure may cause skin dryness or cracking.

isobutyl methacrylate:

Causes skin irritation.

Serious eye damage/eye irritation**Product:**

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

Components:**isobutyl methacrylate:**

Causes serious eye irritation.

Respiratory or skin sensitisation**Product:**

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

Components:**isobutyl methacrylate:**

May cause an allergic skin reaction.

monoalkyl or monoaryl or monoalkaryl esters of methacrylic acid:

May cause an allergic skin reaction.

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:**Exposure routes Inhalation
Assessment May cause drowsiness or dizziness.**Components:****Hydrocarbons, C9-C11, n-alkanes, isoalkanes, cyclics, <2% aromatics:**

Assessment May cause drowsiness or dizziness.

Hydrocarbons, C9-C10, n-alkanes, isoalkanes, cyclics, <2% aromatics:

Assessment May cause drowsiness or dizziness.

isobutyl methacrylate:Exposure routes Inhalation
Assessment May cause respiratory irritation.**STOT - repeated exposure****Product:**

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

SÜDWEST TiefenGrund LH**Aspiration toxicity****Product:**

May be fatal if swallowed and enters airways.

Components:**Hydrocarbons, C9-C11, n-alkanes, isoalkanes, cyclics, <2% aromatics:**

May be fatal if swallowed and enters airways.

Hydrocarbons, C9-C10, n-alkanes, isoalkanes, cyclics, <2% 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.

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

12.2 Persistence and degradability**Product:**

Biodegradability

No data available

Components:**Hydrocarbons, C9-C11, n-alkanes, isoalkanes, cyclics, <2% aromatics:**

Biodegradability

rapidly degradable

SÜDWEST TiefenGrund LH

Biodegradation: 80 %
Exposure time: 28 d

12.3 Bioaccumulative potential**Product:**

Bioaccumulation No data available

Components:

Hydrocarbons, C9-C10, n-alkanes, isoalkanes, cyclics, <2% aromatics:

Partition coefficient: n-
octanol/water log Pow: > 4

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" Partial and residual quantities can be reused. Fluid remains constitute hazardous waste and should not be poured into the sewage system. They should be taken to a local waste disposal site.
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 (*) hazardous waste in terms of the European directive 2008/98/EG

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

SÜDWEST TiefenGrund LH

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)
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 Maritime transport in bulk according to IMO instruments

SÜDWEST TiefenGrund LH

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 86,1 %

VOC
Directive 2004/42/EC 86 %
670,8 g/l

EU limit value for this product (cat. A/h) :750 g/l This product contains max750 g/IVOC.

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

REACH - Restrictions on the manufacture, placing on the market and use of certain dangerous substances, mixtures and articles (Annex XVII)

Conditions of restriction for the following entries should be considered: (75, 3)

isobutyl methacrylate

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 : Flammable liquid and vapour.
H304 : May be fatal if swallowed and enters airways.
H315 : Causes skin irritation.
H317 : May cause an allergic skin reaction.

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