

SÜDWEST Markierungsfarbe

Serious eye damage, Category 1 H318: Causes serious eye damage.

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 : H225 Highly flammable liquid and vapour.
H318 Causes serious eye damage.
H412 Harmful to aquatic life with long lasting effects.

Supplemental Hazard Statements EUH066 Repeated exposure may cause skin dryness or cracking.

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.
Response:
P305 + P351 + P338 + P310 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a POISON CENTER/ doctor.
P303 + P361 + P353 IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water or shower.
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:

2-methylpropan-1-ol

Additional Labelling

EUH208 Contains Fatty acids, C18-unsatd., dimers, reaction products with N,N-dimethyl-1,3-propanediamine and 1,3-propanediamine. May produce an allergic reaction.

EUH211 Warning! Hazardous respirable droplets may be formed when sprayed. Do not breathe spray or mist.

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.

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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)
Hydrocarbons, C10-C13, n-alkanes, isoalkanes, cyclics, <2% aromatics	64742-48-9 649-327-00-6 01-2119457273-39-XXXX	Asp. Tox. 1; H304 EUH066	≥ 10 - < 20
titanium dioxide	13463-67-7 236-675-5 01-2119489379-17-XXXX	Carc. 2; H351, Note V, Note W, Note 10	≥ 1 - < 10
Hydrocarbons, C7-C9, n-alkanes, isoalkanes, cyclics	Not Assigned 01-2119473851-33-XXXX	STOT SE 3; H336 (Central nervous system) Asp. Tox. 1; H304 Aquatic Chronic 2; H411 Flam. Liq. 2; H225 EUH066	≥ 2,5 - < 10
2-methylpropan-1-ol	78-83-1 201-148-0 603-108-00-1 01-2119484609-23-XXXX	Flam. Liq. 3; H226 Eye Dam. 1; H318 STOT SE 3; H335 STOT SE 3; H336 Skin Irrit. 2; H315	≥ 3 - < 10
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	≥ 1 - < 10
acetone	67-64-1 200-662-2 606-001-00-8 01-2119471330-49-XXXX	Flam. Liq. 2; H225 Eye Irrit. 2; H319 STOT SE 3; H336 EUH066	≥ 1 - < 10
Fatty acids, C18-unsatd., dimers, reaction products with N,N-dimethyl-1,3-propanediamine and 1,3-propanediamine	162627-17-0 01-2119970640-38-XXXX	Skin Sens. 1; H317	≥ 0,1 - < 1

For explanation of abbreviations see section 16.

SÜDWEST Markierungsfarbe**SECTION 4: FIRST AID MEASURES****4.1 Description of first aid measures**

General advice	When symptoms persist or in all cases of doubt seek medical advice. Never give anything by mouth to an unconscious person. If unconscious, place in recovery position and seek medical advice.
Inhalation	Move to fresh air in case of accidental inhalation of vapours or decomposition products. Keep patient warm and at rest. If breathing is irregular or stopped, administer artificial respiration. If symptoms persist, call a physician.
Skin contact	Take off contaminated clothing and shoes immediately. Wash skin thoroughly with soap and water or use recognized skin cleanser. Do NOT use solvents or thinners. If skin irritation persists, call a physician.
Eye contact	In case of eye contact, remove contact lens and rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Seek medical advice.
Ingestion	Rinse mouth with water. 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.
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4.3 Indication of any immediate medical attention and special treatment needed

Treatment	Treat symptomatically. No information available.
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SECTION 5: FIREFIGHTING MEASURES**5.1 Extinguishing media**

Suitable extinguishing media	CO ₂ , 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.

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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 sections	Refer to protective measures listed in sections 7 and 8.

SECTION 7: HANDLING AND STORAGE

7.1 Precautions for safe handling

Advice on safe handling	Comply with the statutory regulations on health and safety at work. Avoid formation of aerosol. Prevent the creation of flammable or explosive concentrations of vapour in air and avoid vapour concentration higher than the occupational exposure limit values. The product should only be used in areas from which all naked lights and other sources of ignition have been excluded. All metal parts of the mixing and processing equipment must be earthed. Operators should wear antistatic footwear and clothing. No sparking tools should be used.
Hygiene measures	Do not breathe spray, vapour. Take off immediately all contaminated clothing. Avoid contact with skin, eyes and clothing. Wash hands before breaks and immediately after handling the product. After washing hands, replenish lost skin oil by means of oily skin ointment. When using do not eat, drink or smoke.

SÜDWEST Markierungsfarbe**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. Nosing. Prevent unauthorized access. Containers which are opened must be carefully resealed and kept upright to prevent leakage. Protect from frost, heat and sunlight.
Advice on protection against fire and explosion	Vapours are heavier than air and may spread along floors. Vapours may form explosive mixtures with air. Take measures to prevent the build up of electrostatic charge.
Advice on common storage	Keep away from combustible materials. Keep away from food, drink and animal feedingstuffs. Keep away from oxidizing agents and strongly acid or alkaline materials.

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

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION**8.1 Control parameters****Exposure limit(s)**

Components		CAS-No.
Basis	Type:	Control parameters
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	
acetone		67-64-1
2000/39/EC	Limit Value - eight hours	1.210 mg/m ³
2000/39/EC	Limit Value - eight hours	500 ppm
Additional advice:	Indicative	

The lists that were valid during the creation were used as basis.

8.2 Exposure controls**Appropriate engineering controls**

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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.

Individual protection measures, such as personal protective equipment

- a) Eye/face protection Safety glasses with side-shields conforming to EN166
- b) Skin protection
Hand protection Recommended preventive skin protection
Before starting work, apply water-resistant skincare preparations to exposed skin areas.
Protective gloves should be worn in case of skin contact during preparation and application.

Break through time: 480 min
Minimum thickness: 0,4 mm
Gloves made of nitrile rubber, e.g. KCL 730 Camatril® Velours (Kächele-Cama-Latex GmbH, Hotline: 0049(0)6659-87-300, kcl-uk@kcl.de), or equivalent.
Skin that comes into contact with the product should be treated with protective cream. After such contact, the product concerned should under no circumstances be used.

The selected protective gloves have to satisfy the specifications of 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.

- Body Protection Preventive skin protection
Long sleeved clothing
Personal should wear antistatic clothings made of natural fiber or of high temperature resistant synthetic fiber. All parts of the body should be washed after contact.
- c) Respiratory protection When workers are facing concentrations above the occupational exposure limit values they must use appropriate certified respirators.
In case of inadequate ventilation wear respiratory protection.
Do not breathe in dust when grinding.
Combination filter A-P2
Respiratory protection complying with EN 14387.

Environmental exposure controls

- General advice The product should not be allowed to enter drains, water courses or the soil.
If the product contaminates rivers and lakes or drains inform respective authorities.

SÜDWEST Markierungsfarbe**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	80 °C
Flash point	3 °C
Evaporation rate	not determined
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. 1,443 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	No data available
Viscosity, kinematic	ca. 651,4 mm ² /s (40 °C)
Explosive properties	Not explosive In use may form flammable/explosive vapour-air mixture.

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Oxidizing properties

Not applicable

9.2 Other information

Flow time

> 90 s at 20 °C
Cross section: 4 mm

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.

Components:

Hydrocarbons, C10-C13, n-alkanes, isoalkanes, cyclics, <2% aromatics:

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Repeated exposure may cause skin dryness or cracking.

Hydrocarbons, C7-C9, n-alkanes, isoalkanes, cyclics:

Repeated exposure may cause skin dryness or cracking.

2-methylpropan-1-ol:

Species

Rabbit

Method

OECD Test Guideline 404

Causes skin irritation.

ethyl acetate:

Repeated exposure may cause skin dryness or cracking.

acetone:

Repeated exposure may cause skin dryness or cracking.

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

Causes serious eye damage.

Components:**2-methylpropan-1-ol:**

Species

Rabbit

Method

OECD Test Guideline 405

Causes serious eye damage.

ethyl acetate:

Causes serious eye irritation.

acetone:

Causes serious eye irritation.

Respiratory or skin sensitisation**Product:**

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

Components:**Fatty acids, C18-unsatd., dimers, reaction products with N,N-dimethyl-1,3-propanediamine and 1,3-propanediamine:**

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.

Components:**titanium dioxide:**

Suspected of causing cancer.

Reproductive toxicity**Product:**

Effects on fertility

Based on available data, the classification criteria are not

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met.

Developmental Toxicity

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

STOT - single exposure

Product:

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

Components:

Hydrocarbons, C7-C9, n-alkanes, isoalkanes, cyclics:

Assessment

May cause drowsiness or dizziness.

2-methylpropan-1-ol:

Exposure routes

Inhalation

Assessment

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

ethyl acetate:

Exposure routes

inhalation (vapour)

Assessment

May cause drowsiness or dizziness.

acetone:

Exposure routes

Inhalation

Assessment

May cause drowsiness or dizziness.

STOT - repeated exposure

Product:

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

Aspiration toxicity

Product:

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

Components:

Hydrocarbons, C10-C13, n-alkanes, isoalkanes, cyclics, <2% aromatics:

May be fatal if swallowed and enters airways.

Hydrocarbons, C7-C9, n-alkanes, isoalkanes, cyclics:

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.

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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:

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

12.3 Bioaccumulative potential

Product:

Bioaccumulation

No data available

Components:

2-methylpropan-1-ol:

Partition coefficient: n-octanol/water

log Pow: 0,79 - 1 (25 °C)

ethyl acetate:

Partition coefficient: n-octanol/water

log Pow: 0,68 (25 °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

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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.
Harmful to aquatic life with long lasting effects.

SECTION 13: DISPOSAL CONSIDERATIONS

13.1 Waste treatment methods

Product	The user is responsible for proper coding and marking of any waste. When used as recommended, the waste code can be selected according to the code of the European Waste Catalogue (EWC), category 17.09 "Other Construction and Demolition Waste" 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	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

ADR	1263
IMDG	1263
IATA	1263

14.2 UN proper shipping name

ADR	PAINT
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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

Labels 3

Tunnel restriction code (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 Maritime transport in bulk according to IMO instruments

Remarks Not applicable

Additional advice

ADR: Up to 5 l per inner package, transport as limited quantity

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IMDG

in accordance with ADR 3.4.

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

VOC

Directive 2010/75/EU

28,7 %

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

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

H225

: Highly flammable liquid and vapour.

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(5) and Appendix I of EC Directive no. 1272/2008.

It is possible in the interim period that you may find different markings on packaging compared to the Material Safety Data Sheet until stocks have been used up. We ask for your understanding in this matter.

Department issuing MSDS
REG_EU / EN

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