

SÜDWEST Metall-Klarlack seidenmatt

Specific target organ toxicity -
single exposure, Category 3,
Central nervous system

H336: May cause drowsiness or dizziness.

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 : H222 Extremely flammable aerosol.
H229 Pressurised container: May burst if heated.
H319 Causes serious eye irritation.
H336 May cause drowsiness or dizziness.
H412 Harmful to aquatic life with long lasting effects.

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

Precautionary statements : P102 Keep out of reach of children.
Prevention:
P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
P211 Do not spray on an open flame or other ignition source.
P251 Do not pierce or burn, even after use.
P260 Do not breathe spray.
Storage:
P410 + P412 Protect from sunlight. Do not expose to temperatures exceeding 50 °C/ 122 °F.
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:

acetone
Hydrocarbons, C9, aromatics
2-methoxy-1-methylethyl acetate
n-butyl acetate

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.

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SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

3.2 Mixtures

Components

Chemical name	CAS-No. EC-No. Index-No. Registration number	Classification	Concentration (% w/w)
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	≥ 20 - < 30
Hydrocarbons, C9, aromatics	128601-23-0 01-2119455851-35-XXXX	Asp. Tox. 1; H304 Flam. Liq. 3; H226 STOT SE 3; H335 STOT SE 3; H336 Aquatic Chronic 2; H411 EUH066, Note P	≥ 5 - < 10
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	≥ 5 - < 10
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	≥ 5 - < 7,5
n-butyl acetate	123-86-4 204-658-1 607-025-00-1 01-2119485493-29-XXXX	Flam. Liq. 3; H226 STOT SE 3; H336 (Central nervous system) EUH066	≥ 2,5 - ≤ 5
butane (containing < 0.1% butadiene (203-450-8))	106-97-8 203-448-7 601-004-01-8 01-2119474691-32-XXXX	Flam. Gas 1; H220 Press. GasH280	≥ 12,5 - ≤ 15
propane	74-98-6 200-827-9 601-003-00-5 01-2119486944-21-XXXX	Flam. Gas 1; H220 Press. GasH280	≥ 12,5 - ≤ 15
isobutane	75-28-5 200-857-2 601-004-00-0 01-2119485395-27-XXXX	Flam. Gas 1; H220 Press. GasH280	≥ 5 - ≤ 7,5

For explanation of abbreviations see section 16.

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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.
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Unsuitable extinguishing media	High volume water jet
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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.
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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 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. Nonsmoking.
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.

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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

Components	CAS-No.	Value type (Form of exposure)	Control parameters	Basis
acetone	67-64-1	TWA	500 ppm 1.210 mg/m ³	2000/39/EC
	Further information: Indicative			
2-methoxy-1-methylethyl acetate	108-65-6	STEL	100 ppm 550 mg/m ³	2000/39/EC
	Further information: Identifies the possibility of significant uptake through the skin, Indicative			
		TWA	50 ppm 275 mg/m ³	2000/39/EC
	Further information: Identifies the possibility of significant uptake through the skin, Indicative			
xylene	1330-20-7	TWA	50 ppm 221 mg/m ³	2000/39/EC
	Further information: Identifies the possibility of significant uptake through the skin, Indicative			
		STEL	100 ppm 442 mg/m ³	2000/39/EC
	Further information: Identifies the possibility of significant uptake through the skin, Indicative			
n-butyl acetate	123-86-4	STEL	150 ppm 723 mg/m ³	2019/1831/EU
	Further information: Indicative			

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	TWA	50 ppm 241 mg/m ³	2019/1831/EU
Further information: Indicative			

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

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

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

Material : butyl-rubber

Break through time : 60 min

Glove thickness : 0,7 mm

Remarks : e.g. KCL 898 "Butoject®" - butyl rubber protective glove - (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!

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.

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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.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties

Physical state	:	aerosol
Colour	:	various
Odour	:	characteristic
Odour Threshold	:	not determined
Melting point/freezing point	:	not determined
Initial boiling point and boiling range	:	Not applicable
Flammability	:	Not applicable
Upper explosion limit / Upper	:	13,0 %(V)

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flammability limit	Medium: Upper explosion limit
Lower explosion limit / Lower flammability limit	: 1,5 %(V) Medium: Lower explosion limit
Flash point	: Not applicable, as aerosol.
Auto-ignition temperature	: 333 °C
Decomposition temperature	: No data available
pH	: substance/mixture is non-soluble (in water)
Viscosity Viscosity, dynamic	: not determined
Flow time	: No data available
Solubility(ies) Water solubility	: immiscible
Partition coefficient: n-octanol/water	: not determined
Vapour pressure	: 8.300 hPa (20 °C)

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Density : ca. 0,7 g/cm³ (20 °C)

Relative vapour density : No data available

9.2 Other information

Explosives : In use may form flammable/explosive vapour-air mixture.

Oxidizing properties : Not applicable

Self-ignition : not auto-flammable

Evaporation rate : Not applicable

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.
Avoid heating over 50 °C.

10.5 Incompatible materials

Materials to avoid : Strong acids and strong bases

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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

Acute toxicity estimate: > 20 mg/l
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:

Acute inhalation toxicity

Harmful if inhaled.

Acute dermal toxicity

Harmful in contact with skin.

Skin corrosion/irritation

Product:

Repeated exposure may cause skin dryness or cracking.

Components:

acetone:

Repeated exposure may cause skin dryness or cracking.

Hydrocarbons, C9, aromatics:

Repeated exposure may cause skin dryness or cracking.

xylene:

Causes skin irritation.

n-butyl acetate:

Repeated exposure may cause skin dryness or cracking.

Serious eye damage/eye irritation

Product:

Causes serious eye irritation.

Components:

acetone:

Causes serious eye irritation.

Respiratory or skin sensitisation

Product:

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

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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 drowsiness or dizziness.

Components:

acetone:

Exposure routes

Inhalation

Assessment

May cause drowsiness or dizziness.

Hydrocarbons, C9, aromatics:

Exposure routes

Inhalation

Assessment

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

2-methoxy-1-methylethyl acetate:

Assessment

May cause drowsiness or dizziness.

n-butyl acetate:

Exposure routes

inhalation (vapour)

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, 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.

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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

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:

Hydrocarbons, C9, aromatics:

Biodegradability

rapidly degradable

n-butyl acetate:

Biodegradability

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

12.3 Bioaccumulative potential

Product:

Bioaccumulation

No data available

Components:

2-methoxy-1-methylethyl acetate:

Partition coefficient: n-octanol/water

log Pow: 0,43 (20 °C)

n-butyl acetate:

Partition coefficient: n-octanol/water

log Pow: 2,3
Method: OECD Test Guideline 117

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propane:
Partition coefficient: n-
octanol/water log Pow: 2,36

isobutane:
Partition coefficient: n-
octanol/water log Pow: 2,76

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.
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	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

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ADR 1950

IMDG 1950

IATA 1950

14.2 UN proper shipping name

ADR AEROSOLS

IMDG AEROSOLS

IATA Aerosols, flammable

14.3 Transport hazard class(es)

ADR 2.1

IMDG 2.1

IATA 2.1

14.4 Packing group

ADR

Packing group Not Assigned

Classification Code 5F

Labels 2.1

Tunnel restriction code (D)

IMDG

Labels 2.1

EmS number F-D, S-U

IATA

Labels 2.1

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

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Additional advice

ADR	ADR: Up to 1 l per inner package, transport as limited quantity in accordance with ADR 3.4.
IMDG	IMDG: Up to 1 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 88,5 %

VOC
Directive 2004/42/EC

does not fall under Directive 2004/42/EC

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)acetone
butane (containing < 0.1% butadiene (203-450-8)) (29, 28)
xylene
isobutane (29, 28)

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.

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matter.

Department issuing MSDS
REG_EU / EN

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