

Safety Data Sheet
according to Regulation (EC) No. 1907/2006 (REACH)
according to Regulation (EU) 2015/830

46252
Version 2.3

MECOSOL Universal 500 ML SD
Revision date 25-Mar-2022

Print date 25-Mar-2022

SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1 Product identifier

46252 MECOSOL Universal 500 ML SD

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

Relevant identified uses

Adhesive

1.3 Details of the supplier of the safety data sheet

Supplier

Kissel + Wolf GmbH
In den Ziegelwiesen 6
69168 Wiesloch
Deutschland
Telephone: +4962225780
E-mail: info@kiwo.de

Department responsible for information

E-mail (competent person) RA@kiwo.de

1.4 Emergency telephone number

Emergency telephone number 0049-6222-578-219
Only available during office hours. (08:00-16:00 CET)

SECTION 2: Hazards identification

2.1 Classification of the substance or mixture

Classification according to Regulation (EC) No 1272/2008 [CLP]

The mixture is classified as hazardous according to regulation (EC) No 1272/2008 [CLP].

Aerosol 1; Aerosols; H229 Pressurised container: May burst if heated.

Aerosol 1; Aerosols; H222 Extremely flammable aerosol.

STOT SE 3 Narcotic effects; STOT-single exposure; H336 May cause drowsiness or dizziness.

Skin Irrit. 2; Skin corrosion/irritation; H315 Causes skin irritation.

Aquatic Chronic 2; Hazardous to the aquatic environment; H411 Toxic to aquatic life with long lasting effects.

2.2 Label elements

Labelling according to Regulation (EC) No. 1272/2008 [CLP]

Hazard pictograms



Signal word

Danger

Hazard statements

H229 Pressurised container: May burst if heated.
H222 Extremely flammable aerosol.
H336 May cause drowsiness or dizziness.
H315 Causes skin irritation.
H411 Toxic to aquatic life with long lasting effects.

Precautionary statements

P102 Keep out of reach of children.
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.
* P271 Use only outdoors or in a well-ventilated area.
P273 Avoid release to the environment.
P403 + P233 Store in a well-ventilated place. Keep container tightly closed.
P410 + P412 Protect from sunlight. Do not expose to temperatures exceeding 50 °C/122 °F.

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* P501 Dispose of contents/container to an appropriate recycling or disposal facility.

Hazard components for labelling

hydrocarbons, C6, isoalkanes, <5% n-hexane
 hydrocarbons, C7, n-alkanes, isoalkanes, cyclics

Supplemental hazard information

not applicable

2.3 Other hazards

No information available.

SECTION 3: Composition/information on ingredients

3.2 Mixtures

Description

Hazardous ingredients

CAS No. EC No. Index No.	Substance name REACH No. Classification according to Regulation (EC) No 1272/2008 [CLP]	weight-%
* 115-10-6 204-065-8 603-019-00-8	dimethyl ether Flam. Gas 1 H220	35,0 < 50,0
64742-49-0 927-510-4 -	hydrocarbons, C7, n-alkanes, isoalkanes, cyclics 01-2119475515-33 Flam. Liq. 2 H225 / Asp. Tox. 1 H304 / Skin Irrit. 2 H315 / STOT SE 3 H336 / Aquatic Chronic 2 H411	20,0 < 25,0
- 931-254-9 -	hydrocarbons, C6, isoalkanes, <5% n-hexane 01-2119484651-34 Flam. Liq. 2 H225 / Asp. Tox. 1 H304 / Skin Irrit. 2 H315 / STOT SE 3 H336 / Aquatic Chronic 2 H411	15,0 < 20,0

Remark

Full text of H- and EUH-statements: see section 16.

SECTION 4: First aid measures

4.1 Description of first aid measures

General information

In all cases of doubt, or when symptoms persist, seek medical advice. In case of unconsciousness give nothing by mouth, place in recovery position and seek medical advice.

Following inhalation

Remove casualty to fresh air and keep warm and at rest. In case of irregular breathing or respiratory arrest provide artificial respiration.

Following skin contact

Remove contaminated, saturated clothing immediately. After contact with skin, wash immediately with plenty of water and soap.

After eye contact

Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Seek medical advice immediately.

Following ingestion

If swallowed, rinse mouth with water (only if the person is conscious). Seek medical advice immediately. Keep victim calm. Do NOT induce vomiting.

Self-protection of the first aider

First aider: Pay attention to self-protection!

4.2 Most important symptoms and effects, both acute and delayed

Symptoms

In all cases of doubt, or when symptoms persist, seek medical advice.

4.3 Indication of any immediate medical attention and special treatment needed

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No special measures are necessary.

SECTION 5: Firefighting measures

5.1 Extinguishing media

Suitable extinguishing media

Carbon dioxide (CO₂); spray mist, (water); alcohol resistant foam; Extinguishing powder

Unsuitable extinguishing media

Strong water jet

5.2 Special hazards arising from the substance or mixture

Gases/vapours, toxic. Heating causes rise in pressure with risk of bursting.

5.3 Advice for firefighters

Provide a conveniently located respiratory protective device. Cool closed containers that are near the source of the fire. Do not allow water used to extinguish fire to enter drains, ground or waterways.

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

Ventilate affected area. Do not breathe vapours. Remove persons to safety. Keep away from sources of ignition.

6.2 Environmental precautions

Do not allow to enter into surface water or drains. If the product contaminates lakes, rivers or sewages, inform competent authorities in accordance with local regulations.

6.3 Methods and material for containment and cleaning up

For containment

Isolate leaked material using non-flammable absorption agent (e.g. sand, earth, vermiculit, diatomaceous earth) and collect it for disposal in appropriate containers in accordance with the local regulations (see section 13).

For cleaning up

6.4 Reference to other sections

Observe protective provisions (see section 7 and 8).

SECTION 7: Handling and storage

7.1 Precautions for safe handling

Advices on safe handling

Avoid formation of flammable and explosive vapour concentrations in the air and exceeding the exposure limit values. Only use the material in places where open light, fire and other flammable sources can be kept away.

Container under pressure. Protect from direct exposure to sunlight and temperatures exceeding 50 °C. Do not open with force, even when empty.

Avoid contact with eyes and skin. Do not inhale vapours or mist.

Personal protection equipment: see section 8

Follow the legal protection and safety regulations.

Advices on general occupational hygiene

When using do not eat, drink or smoke.

7.2 Conditions for safe storage, including any incompatibilities

Requirements for storage rooms and vessels

Storage in accordance with the Ordinance on Industrial Safety and Health (BetrSiVO). Protect from sunlight. Store in a well-ventilated place.

Hints on joint storage

Keep away from strongly acidic and alkaline materials as well as oxidizers.

Further information on storage conditions

7.3 Specific end use(s)

Observe technical data sheet.

SECTION 8: Exposure controls/personal protection

8.1 Control parameters

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*		Source: hydrocarbons, C7, n-alkanes, isoalkanes, cyclics
*	Upper explosion limit at 20°C	18,6 Vol-%
*		Source: dimethyl ether
	Vapour pressure at 20°C	450,948 mbar
	Density at 20°C	0,714 kg/l
	Water solubility at 20°C	practically insoluble
	Partition coefficient: n-octanol/water	see section 12
*	Ignition temperature in °C	200 °C
*		Source: hydrocarbons, C6, isoalkanes, <5% n-hexane
	Decomposition temperature	not determined
*	Viscosity	not applicable
	Explosive properties	not relevant
	Oxidising properties	not relevant

9.2 Other information

not applicable

SECTION 10: Stability and reactivity

10.1 Reactivity

No specific test data related to reactivity available for this product or its ingredients.

10.2 Chemical stability

Stable when applying the recommended regulations for storage and handling. Further information on correct storage: refer to section 7.

10.3 Possibility of hazardous reactions

Keep away from strong acids, strong bases and strong oxidizing agents to avoid exothermic reactions.

10.4 Conditions to avoid

Protect from heat and direct sunlight.

Stable when applying the recommended regulations for storage and handling. Further information on correct storage: refer to section 7.

10.5 Incompatible materials

No further relevant information available.

10.6 Hazardous decomposition products

Hazardous decomposition byproducts may form with exposure to high temperatures, e.g.: Carbon dioxide (CO₂), Carbon monoxide, smoke.

SECTION 11: Toxicological information

11.1 Information on toxicological effects

Acute toxicity

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

hydrocarbons, C6, isoalkanes, <5% n-hexane

LD50: oral (Rat): > 5.000 mg/kg

LC50: inhalative (Rat): > 20 mg/L (4 h)

hydrocarbons, C7, n-alkanes, isoalkanes, cyclics

LD50: oral (Rat): > 5.840 mg/kg

Skin corrosion/irritation

Causes skin irritation.

Serious eye damage/eye irritation

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

Respiratory or skin sensitisation

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

CMR effects (carcinogenicity, mutagenicity and toxicity for reproduction)

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.

Practical experience/human evidence

Inhaling of solvent components above the MWC-value can lead to health damage, e.g. irritation of the mucous membrane and respiratory organs, as well as damage to the liver, kidneys and the central nerve system. Indications for this are: Headache, Dizziness, fatigue, amyosthenia, Dizziness, in serious cases: unconsciousness. Solvents may cause some of the aforementioned effects through skin resorption. Repeated or prolonged contact with the preparation may cause removal of natural fat from the skin resulting in non-allergic contact dermatitis and/or absorption through skin. Splashing may cause eye irritation and reversible damage.

SECTION 12: Ecological information

12.1 Toxicity

Toxic to aquatic life with long lasting effects.

12.2 Persistence and degradability

No information available.

12.3 Bioaccumulative potential

No information available.

12.4 Mobility in soil

No information available.

12.5 Results of PBT and vPvB assessment

The substances in the mixture do not meet the PBT/vPvB criteria according to REACH, annex XIII.

12.6 Other adverse effects

No information available.

SECTION 13: Disposal considerations

13.1 Waste treatment methods

Product/Packaging disposal

Do not empty into drains; dispose of this material and its container in a safe way. Waste disposal according to directive 2008/98/EC, covering waste and dangerous waste.

Waste codes/waste designations according to EWC/AVV

The allocation of waste identity numbers/waste descriptions must be carried out according to the EEC, specific to the industry and process.

Other disposal recommendations

Non-contaminated packages may be recycled. Vessels not properly emptied are special waste.

SECTION 14: Transport information

14.1 UN number

UN 1950

14.2 UN proper shipping name

Land transport (ADR/RID)

DRUCKGASPACKUNGEN, entzündbar

Sea transport (IMDG)

Aerosols, flammable

Air transport (ICAO-TI / IATA-DGR)

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Aerosols, flammable

14.3 Transport hazard class(es)

Land transport (ADR/RID)	2.1
Sea transport (IMDG)	2.1
Air transport (ICAO-TI / IATA-DGR)	2.1

14.4 Packing group

not applicable

14.5 Environmental hazards

Land transport (ADR/RID)	ENVIRONMENTALLY HAZARDOUS
Sea transport (IMDG)	Marine pollutant

14.6 Special precautions for user

Transport always in closed, upright and safe containers. Make sure that persons transporting the product know what to do in case of an accident or leakage. Advices on safe handling: see parts 6 - 8

14.7 Transport in bulk according to Annex II of Marpol and the IBC Code

No transport as bulk according to IBC Code.

14.8 Additional information

Land transport (ADR/RID)

tunnel restriction code: D

Sea transport (IMDG)

EmS-Code: F-D S-U

Air transport (ICAO-TI / IATA-DGR)

not applicable

SECTION 15: Regulatory information

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

EU legislation

Restrictions of occupation

Observe employment restrictions under the Maternity Protection Directive (92/85/EEC) for expectant or nursing mothers. Observe restrictions to employment for juvenils according to the 'juvenile work protection guideline' (94/33/EC).

Directive 2010/75/EU on industrial emissions [Industrial Emissions Directive]

VOC-value 556,072 g/l

Directive 2012/18/EU on the control of major-accident hazards involving dangerous substances [Seveso-III-Directive]

Hazard categories / Named dangerous substances

E2 Hazardous to the aquatic environment in Category Chronic 2

Quantity 1: 200t; Quantity 2: 500t

P3a FLAMMABLE AEROSOLS

Quantity 1: 150t; Quantity 2: 500t

National regulations

Substance/product listed in the following inventories

TSCA - US

15.2 Chemical Safety Assessment

Chemical safety assessments for substances in this mixture were not carried out.

SECTION 16: Other information

Relevant R-, H- and EUH-phrases (Number and full text)

* H220	Extremely flammable gas.
H225	Highly flammable liquid and vapour.
H304	May be fatal if swallowed and enters airways.
H315	Causes skin irritation.
H336	May cause drowsiness or dizziness.
H411	Toxic to aquatic life with long lasting effects.

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Classification for mixtures and used evaluation method according to regulation (EC) No 1272/2008 [CLP]

Aerosol 1	On basis of test data.
Aerosol 1	On basis of test data.
STOT SE 3 Narcotic effects	Calculation method.
Skin Irrit. 2	Calculation method.
Aquatic Chronic 2	Calculation method.

Abbreviations and acronyms

For abbreviations and acronyms, see table at <http://abbrev.esdscom.eu>

Indication of changes

* Data changed compared with the previous version