

Safety Data Sheet

according to Regulation (EC) No 1907/2006

8800/30T PU Resin

Revision date: 03.09.2024

Product code: 50085

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

1.1. Product identifier

8800/30T PU Resin

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

Use of the substance/mixture

Resins (prepolymers)

1.3. Details of the supplier of the safety data sheet

| | | |
|-----------------|-----------------------------|------------------------------|
| Company name: | Kisling (Deutschland) GmbH | |
| Street: | Salzstraße 15 | |
| Place: | D-74676 Niedernhall | |
| Telephone: | +49 7940 50961 61 | |
| E-mail: | customerservice@kisling.com | |
| Contact person: | Product Compliance | Telephone: +49 7940 5096 143 |
| E-mail: | compliance@kisling.com | |
| Internet: | www.kisling.com | |

1.4. Emergency telephone number:

24 hr. emergency phone number +1 872 5888271 (KAR)
Medicines & Poisons Info Office +356 2545 6508

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Regulation (EC) No 1272/2008

This mixture is not classified as hazardous in accordance with Regulation (EC) No 1272/2008.

2.2. Label elements

Regulation (EC) No 1272/2008

Special labelling of certain mixtures

EUH210 Safety data sheet available on request.

2.3. Other hazards

No data available

SECTION 3: Composition/information on ingredients

3.2. Mixtures

Chemical characterization

Mixture of substances listed below with nonhazardous components.

Relevant ingredients

| CAS No | Chemical name | | | Quantity |
|----------|---|----------|------------------|-----------|
| | EC No | Index No | REACH No | |
| | Classification (Regulation (EC) No 1272/2008) | | | |
| 144-19-4 | 2,2,4-trimethylpentane-1,3-diol | | | 1 - < 5 % |
| | | | 01-2119941373-40 | |
| | Eye Irrit. 2; H319 | | | |
| 115-84-4 | 2-butyl-2-ethylpropanediol | | | 1 - < 5 % |
| | 204-111-7 | | 01-2119450133-52 | |
| | Eye Irrit. 2; H319 | | | |

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

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Specific Conc. Limits, M-factors and ATE

| CAS No | EC No | Chemical name | Quantity |
|----------|-----------|--|-----------|
| | | Specific Conc. Limits, M-factors and ATE | |
| 144-19-4 | | 2,2,4-trimethylpentane-1,3-diol | 1 - < 5 % |
| | | oral: LD50 = > 2000 mg/kg | |
| 115-84-4 | 204-111-7 | 2-butyl-2-ethylpropanediol | 1 - < 5 % |
| | | dermal: LD50 = > 2000 mg/kg; oral: LD50 = 2900 mg/kg | |

SECTION 4: First aid measures

4.1. Description of first aid measures

General information

No special measures are necessary.

After inhalation

Provide fresh air.

After contact with skin

Gently wash with plenty of soap and water. If skin irritation occurs: Get medical advice/attention.

After ingestion

Do NOT induce vomiting. Rinse mouth thoroughly with water. IF SWALLOWED: Immediately call a doctor.

4.2. Most important symptoms and effects, both acute and delayed

No information available.

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

Treat symptomatically.

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media

alcohol resistant foam, Carbon dioxide (CO₂), Dry extinguishing powder

Unsuitable extinguishing media

Full water jet.

5.2. Special hazards arising from the substance or mixture

Hazardous combustion products, Flammable vapours can accumulate in steam space of closed systems.

5.3. Advice for firefighters

Wear a self-contained breathing apparatus and chemical protective clothing.

Additional information

Co-ordinate fire-fighting measures to the fire surroundings. Use water spray jet to protect personnel and to cool endangered containers. Evacuate area.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

General advice

Use personal protection equipment. See protective measures under point 7 and 8.

6.2. Environmental precautions

Do not allow to enter into surface water or drains.

6.3. Methods and material for containment and cleaning up

For containment

Prevent spread over a wide area (e.g. by containment or oil barriers). Retain contaminated washing water and dispose it. In case of gas escape or of entry into waterways, soil or drains, inform the responsible authorities.

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For cleaning up

Soak up inert absorbent and dispose as waste requiring special attention.

6.4. Reference to other sections

Safe handling: see section 7

Personal protection equipment: see section 8

Disposal: see section 13

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Advice on safe handling

Use only in well-ventilated areas. Keep away from sources of ignition - No smoking.

Advice on general occupational hygiene

Remove contaminated, saturated clothing immediately. Draw up and observe skin protection programme. Wash hands and face before breaks and after work and take a shower if necessary. When using do not eat, drink, smoke, sniff.

Further information on handling

Keep only in the original container in a cool, well-ventilated place.

Never use pressure to empty container. Do not allow to enter into surface water or drains.

7.2. Conditions for safe storage, including any incompatibilities

Requirements for storage rooms and vessels

Keep container tightly closed and in a well-ventilated place.

Hints on joint storage

No special measures are necessary.

Further information on storage conditions

No special measures are necessary.

7.3. Specific end use(s)

Resins (prepolymers)

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

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DNEL/DMEL values

| CAS No | Name of agent | Exposure route | Effect | Value |
|--------------------------|---------------------------------|----------------|----------|------------------------|
| 144-19-4 | 2,2,4-trimethylpentane-1,3-diol | | | |
| Worker DNEL, long-term | | inhalation | systemic | 6,61 mg/m ³ |
| Worker DNEL, long-term | | dermal | systemic | 7,03 mg/kg bw/day |
| Consumer DNEL, long-term | | inhalation | systemic | 2,6 mg/m ³ |
| Consumer DNEL, long-term | | dermal | systemic | 6 mg/kg bw/day |
| Consumer DNEL, long-term | | oral | systemic | 6 mg/kg bw/day |
| Consumer DNEL, acute | | oral | systemic | 18 mg/kg bw/day |
| 115-84-4 | 2-butyl-2-ethylpropanediol | | | |
| Worker DNEL, long-term | | inhalation | systemic | 5,3 mg/m ³ |
| Worker DNEL, long-term | | dermal | systemic | 1,5 mg/kg bw/day |
| Consumer DNEL, long-term | | inhalation | systemic | 1,3 mg/m ³ |
| Consumer DNEL, long-term | | dermal | systemic | 0,75 mg/kg bw/day |
| Consumer DNEL, long-term | | oral | systemic | 0,75 mg/kg bw/day |

PNEC values

| CAS No | Name of agent | Value |
|--|---------------------------------|-------------|
| 144-19-4 | 2,2,4-trimethylpentane-1,3-diol | |
| Freshwater | | 0,109 mg/l |
| Freshwater (intermittent releases) | | 1,091 mg/l |
| Marine water | | 0,011 mg/l |
| Freshwater sediment | | 0,903 mg/kg |
| Marine sediment | | 0,09 mg/kg |
| Micro-organisms in sewage treatment plants (STP) | | 20 mg/l |
| Soil | | 0,117 mg/kg |
| 115-84-4 | 2-butyl-2-ethylpropanediol | |
| Freshwater | | 0,1 mg/l |
| Freshwater (intermittent releases) | | 1 mg/l |
| Marine water | | 0,01 mg/l |
| Micro-organisms in sewage treatment plants (STP) | | 6,5 mg/l |

8.2. Exposure controls



Appropriate engineering controls

Provide adequate ventilation as well as local exhaust at critical locations.

Individual protection measures, such as personal protective equipment

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Eye/face protection

Wear eye/face protection.

Hand protection

Wear protective gloves.

Breakthrough times and swelling properties of the material must be taken into consideration.

NR (natural rubber, Natural latex) 0,5 mm, Breakthrough time: 480 min

EN ISO 374

Skin protection

Avoid contact with skin, eyes and clothes.

Respiratory protection

In case of inadequate ventilation wear respiratory protection.

Environmental exposure controls

Do not allow to enter into surface water or drains.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

| | |
|------------------|-------------------------|
| Physical state: | Liquid |
| Colour: | colourless, transparent |
| Odour: | characteristic |
| Odour threshold: | not determined |

Test method

| | |
|---|--|
| Melting point/freezing point: | not determined |
| Boiling point or initial boiling point and boiling range: | not determined |
| Flammability: | not applicable |
| Lower explosion limits: | not determined |
| Upper explosion limits: | not determined |
| Flash point: | not determined |
| Auto-ignition temperature: | not determined |
| Decomposition temperature: | not determined |
| pH-Value: | not determined |
| Water solubility: | The study does not need to be conducted because the substance is known to be insoluble in water. |
| Solubility in other solvents | |
| not determined | |
| Partition coefficient n-octanol/water: | not determined |
| Vapour pressure: | not determined |
| Density (at 22 °C): | 1,05 - 1,10 g/cm ³ DIN EN ISO 2811 |
| Relative vapour density: | not determined |

9.2. Other information

Information with regard to physical hazard classes

Explosive properties

The product is not: Explosive.

Oxidizing properties

The product is not: oxidising.

Other safety characteristics

| | |
|-------------------|----------------|
| Evaporation rate: | not determined |
| Solid content: | not determined |

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Viscosity / dynamic:
(at 22 °C)

750 - 950 mPa·s DIN 53019

SECTION 10: Stability and reactivity

10.1. Reactivity

No known hazardous reactions.

10.2. Chemical stability

The product is chemically stable under recommended conditions of storage, use and temperature.

10.3. Possibility of hazardous reactions

Thermal decomposition can lead to the escape of irritating gases and vapours.
Vapours can form explosive mixtures with air.

10.4. Conditions to avoid

No information available.

10.5. Incompatible materials

No information available.

10.6. Hazardous decomposition products

No known hazardous decomposition products.

Further information

No data available

SECTION 11: Toxicological information

11.1. Information on hazard classes as defined in Regulation (EC) No 1272/2008

Toxicokinetics, metabolism and distribution

No data available

Acute toxicity

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

ATEmix calculated

ATE (oral) > 2000 mg/kg; ATE (dermal) > 2000 mg/kg; ATE (inhalation vapour) > 20 mg/l; ATE (inhalation dust/mist) > 5 mg/l

| CAS No | Chemical name | | | | |
|----------|---------------------------------|-------------------|---------|---------------------|--------------------|
| | Exposure route | Dose | Species | Source | Method |
| 144-19-4 | 2,2,4-trimethylpentane-1,3-diol | | | | |
| | oral | LD50 > 2000 mg/kg | Rat | Study report (2012) | OECD Guideline 425 |
| 115-84-4 | 2-butyl-2-ethylpropanediol | | | | |
| | oral | LD50 2900 mg/kg | Rat | Study report (1988) | EU Method B.1 |
| | dermal | LD50 > 2000 mg/kg | Rat | Study report (1990) | OECD Guideline 402 |

Irritation and corrosivity

Skin corrosion/irritation: Based on available data, the classification criteria are not met.

Serious eye damage/eye irritation: Based on available data, the classification criteria are not met.

Sensitising effects

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

Carcinogenic/mutagenic/toxic effects for reproduction

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Germ cell mutagenicity: Based on available data, the classification criteria are not met.

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

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

STOT-single exposure

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

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.

Information on likely routes of exposure

No data available

Specific effects in experiment on an animal

No data available

Additional information on tests

No data available

Practical experience

May be harmful if swallowed, in contact with skin or if inhaled.

11.2. Information on other hazards

Other information

No data available

Further information

No data available

SECTION 12: Ecological information

12.1. Toxicity

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

| CAS No | Chemical name | | | | | |
|----------|---------------------------------|--------------------|-----------|--------------------------|---------------------|---|
| | Aquatic toxicity | Dose | [h] [d] | Species | Source | Method |
| 144-19-4 | 2,2,4-trimethylpentane-1,3-diol | | | | | |
| | Acute fish toxicity | LC50 > 700 mg/l | 96 h | Lepomis macrochirus | Study report (1986) | other: Methods for Acute Toxicity Tests |
| | Acute algae toxicity | ErC50 > 110,1 mg/l | 72 h | Raphidocelis subcapitata | Study report (2001) | OECD Guideline 201 |
| | Acute crustacea toxicity | EC50 > 109,1 mg/l | 48 h | Daphnia magna | Study report (2002) | OECD Guideline 202 |
| 115-84-4 | 2-butyl-2-ethylpropanediol | | | | | |
| | Acute algae toxicity | ErC50 94 mg/l | 72 h | Raphidocelis subcapitata | Study report (1995) | EU Method C.3 |
| | Acute bacteria toxicity | EC50 () 650 mg/l | 3 h | Activated sludge | Study report (1998) | OECD Guideline 209 |

12.2. Persistence and degradability

No data available

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| CAS No | Chemical name | | | |
|----------|---|-------|----|---------------------------|
| | Method | Value | d | Source |
| | Evaluation | | | |
| 144-19-4 | 2,2,4-trimethylpentane-1,3-diol | | | |
| | OECD 301A | 99% | 28 | Pre-supplier/manufacturer |
| | Readily biodegradable (according to OECD criteria). | | | |

12.3. Bioaccumulative potential

No data available

Partition coefficient n-octanol/water

| CAS No | Chemical name | Log Pow |
|----------|---------------------------------|---------|
| 144-19-4 | 2,2,4-trimethylpentane-1,3-diol | 1,25 |
| 115-84-4 | 2-butyl-2-ethylpropanediol | 2,2 |

12.4. Mobility in soil

No data 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. Endocrine disrupting properties

This product does not contain a substance that has endocrine disrupting properties with respect to non-target organisms as no components meets the criteria.

12.7. Other adverse effects

No data available

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Disposal recommendations

Dispose of waste according to applicable legislation.

List of Wastes Code - residues/unused products

080409 WASTES FROM THE MANUFACTURE, FORMULATION, SUPPLY AND USE (MFSU) OF COATINGS (PAINTS, VARNISHES AND VITREOUS ENAMELS), ADHESIVES, SEALANTS AND PRINTING INKS; wastes from MFSU of adhesives and sealants (including waterproofing products); waste adhesives and sealants containing organic solvents or other hazardous substances; hazardous waste

List of Wastes Code - used product

080409 WASTES FROM THE MANUFACTURE, FORMULATION, SUPPLY AND USE (MFSU) OF COATINGS (PAINTS, VARNISHES AND VITREOUS ENAMELS), ADHESIVES, SEALANTS AND PRINTING INKS; wastes from MFSU of adhesives and sealants (including waterproofing products); waste adhesives and sealants containing organic solvents or other hazardous substances; hazardous waste

List of Wastes Code - contaminated packaging

150102 WASTE PACKAGING; ABSORBENTS, WIPING CLOTHS, FILTER MATERIALS AND PROTECTIVE CLOTHING NOT OTHERWISE SPECIFIED; packaging (including separately collected municipal packaging waste); plastic packaging

Contaminated packaging

Completely emptied packages can be recycled. Dispose of waste according to applicable legislation.

SECTION 14: Transport information

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Land transport (ADR/RID)

| | |
|--|--|
| 14.1. UN number or ID number: | No dangerous good in sense of this transport regulation. |
| 14.2. UN proper shipping name: | No dangerous good in sense of this transport regulation. |
| 14.3. Transport hazard class(es): | No dangerous good in sense of this transport regulation. |
| 14.4. Packing group: | No dangerous good in sense of this transport regulation. |

Inland waterways transport (ADN)

| | |
|--|--|
| 14.1. UN number or ID number: | No dangerous good in sense of this transport regulation. |
| 14.2. UN proper shipping name: | No dangerous good in sense of this transport regulation. |
| 14.3. Transport hazard class(es): | No dangerous good in sense of this transport regulation. |
| 14.4. Packing group: | No dangerous good in sense of this transport regulation. |

Marine transport (IMDG)

| | |
|--|--|
| 14.1. UN number or ID number: | No dangerous good in sense of this transport regulation. |
| 14.2. UN proper shipping name: | No dangerous good in sense of this transport regulation. |
| 14.3. Transport hazard class(es): | No dangerous good in sense of this transport regulation. |
| 14.4. Packing group: | No dangerous good in sense of this transport regulation. |

Air transport (ICAO-TI/IATA-DGR)

| | |
|--|--|
| 14.1. UN number or ID number: | No dangerous good in sense of this transport regulation. |
| 14.2. UN proper shipping name: | No dangerous good in sense of this transport regulation. |
| 14.3. Transport hazard class(es): | No dangerous good in sense of this transport regulation. |
| 14.4. Packing group: | No dangerous good in sense of this transport regulation. |

14.5. Environmental hazards

ENVIRONMENTALLY HAZARDOUS: No

14.6. Special precautions for user

No dangerous good in sense of this transport regulation.

14.7. Maritime transport in bulk according to IMO instruments

No dangerous good in sense of this transport regulation.

SECTION 15: Regulatory information

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

EU regulatory information

Information according to Directive 2012/18/EU (SEVESO III): Not subject to 2012/18/EU (SEVESO III)

National regulatory information

Employment restrictions: Observe restrictions to employment for juveniles according to the 'juvenile work protection guideline' (94/33/EC).

Water hazard class (D): 1 - slightly hazardous to water

Skin resorption/Sensitization: Causes allergic hypersensitivity reactions.

15.2. Chemical safety assessment

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

SECTION 16: Other information

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Abbreviations and acronyms

Eye Irrit: Eye irritation

CLP: Classification, labelling and Packaging

REACH: Registration, Evaluation and Authorization of Chemicals

GHS: Globally Harmonised System of Classification, Labelling and Packaging of Chemicals

UN: United Nations

CAS: Chemical Abstracts Service

DNEL: Derived No Effect Level

DMEL: Derived Minimal Effect Level

PNEC: Predicted No Effect Concentration

ATE: Acute toxicity estimate

LC50: Lethal concentration, 50%

LD50: Lethal dose, 50%

LL50: Lethal loading, 50%

EL50: Effect loading, 50%

EC50: Effective Concentration 50%

ErC50: Effective Concentration 50%, growth rate

NOEC: No Observed Effect Concentration

BCF: Bio-concentration factor

PBT: persistent, bioaccumulative, toxic

vPvB: very persistent, very bioaccumulative

ADR: Accord européen sur le transport des marchandises dangereuses par Route
(European Agreement concerning the International Carriage of Dangerous Goods by Road)

RID: Regulations concerning the international carriage of dangerous goods by rail

ADN: European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways
(Accord européen relatif au transport international des marchandises dangereuses par voies de navigation
intérieures)

IMDG: International Maritime Code for Dangerous Goods

EmS: Emergency Schedules

MFAG: Medical First Aid Guide

IATA: International Air Transport Association

ICAO: International Civil Aviation Organization

MARPOL: International Convention for the Prevention of Marine Pollution from Ships

IBC: Intermediate Bulk Container

SVHC: Substance of Very High Concern

For abbreviations and acronyms, see: ECHA Guidance on information requirements and chemical safety
assessment, chapter R.20 (Table of terms and abbreviations).

Relevant H and EUH statements (number and full text)

H319 Causes serious eye irritation.

EUH210 Safety data sheet available on request.

Further Information

The information is based on the present level of our knowledge. It does not, however, give assurance of product properties and establishes no contract legal rights. The receiver of our product is singularly responsible for adhering to existing laws and regulations.

(The data for the relevant ingredients were taken respectively from the last version of the sub-contractor's safety data sheet.)