

Safety Data Sheet

according to Regulation (EC) No 1907/2006

8812/30T PU Resin

Revision date: 20.11.2024

Product code: 50107

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

1.1. Product identifier

8812/30T PU Resin

UFI: 6XRF-44VK-000H-1MKP

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

Use of the substance/mixture

Resins (prepolymers)

Uses advised against

No information available.

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

Eye Irrit. 2; H319
Repr. 2; H361fd

Full text of hazard statements: see SECTION 16.

2.2. Label elements

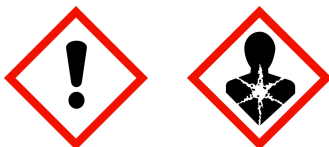
Regulation (EC) No 1272/2008

Hazard components for labelling

Propylidynetrimethanol

Signal word: Warning

Pictograms:



Hazard statements

H319	Causes serious eye irritation.
H361fd	Suspected of damaging fertility. Suspected of damaging the unborn child.

Precautionary statements

P201	Obtain special instructions before use.
P280	Wear protective gloves and eye protection/face protection.
P305+P351+P338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P308+P313	IF exposed or concerned: Get medical advice/attention.

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P337+P313

If eye irritation persists: Get medical advice/attention.

Labelling of packages where the contents do not exceed 125 ml

Signal word:

Warning

Pictograms:



Hazard statements

H361fd

Precautionary statements

P201-P280-P308+P313

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			15 - < 30 %
			01-2119941373-40	
	Eye Irrit. 2; H319			
115-84-4	2-butyl-2-ethylpropanediol			15 - < 30 %
	204-111-7		01-2119450133-52	
	Eye Irrit. 2; H319			
77-99-6	Propylidynetrimethanol			5 - < 15 %
	201-074-9		01-2119486799-10	
	Repr. 2; H361fd			

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

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	15 - < 30 %
		oral: LD50 = > 2000 mg/kg	
115-84-4	204-111-7	2-butyl-2-ethylpropanediol	15 - < 30 %
		dermal: LD50 = > 2000 mg/kg; oral: LD50 = 2900 mg/kg	
77-99-6	201-074-9	Propylidynetrimethanol	5 - < 15 %
		dermal: LD50 = > 10000 mg/kg; oral: LD50 = ca. 14700 mg/kg	

SECTION 4: First aid measures

4.1. Description of first aid measures

General information

No special measures are necessary.

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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

Irritant — skin irritation and eye damage

May cause respiratory irritation. Dyspnoea.

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.

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.

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Avoid contact with skin, eyes and clothes. People who suffer from skin sensitization problems, asthma, allergies, chronic or recurring respiratory illnesses should not be deployed in any process using this mixture.

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			
DNEL type		Exposure route	Effect	Value
144-19-4	2,2,4-trimethylpentane-1,3-diol			
Worker DNEL, long-term		inhalation	systemic	6,61 mg/m³
Worker DNEL, long-term		dermal	systemic	7,03 mg/kg bw/day
Consumer DNEL, long-term		inhalation	systemic	2,6 mg/m³
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/m³
Worker DNEL, long-term		dermal	systemic	1,5 mg/kg bw/day
Consumer DNEL, long-term		inhalation	systemic	1,3 mg/m³
Consumer DNEL, long-term		dermal	systemic	0,75 mg/kg bw/day
Consumer DNEL, long-term		oral	systemic	0,75 mg/kg bw/day
77-99-6	Propylidynetrimethanol			
Worker DNEL, long-term		inhalation	systemic	3,3 mg/m³
Worker DNEL, long-term		dermal	systemic	0,94 mg/kg bw/day
Consumer DNEL, long-term		inhalation	systemic	0,58 mg/m³
Consumer DNEL, long-term		dermal	systemic	0,34 mg/kg bw/day
Consumer DNEL, long-term		oral	systemic	0,34 mg/kg bw/day

PNEC values

CAS No	Name of agent	
Environmental compartment	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	

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Additional advice on limit values

To date, no national critical limit values exist.

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

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.

NBR (Nitrile rubber) 0,4 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 determined
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

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Density (at 22 °C):

1,03 - 1,08 g/cm³ 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

Viscosity / dynamic:

1.600 - 2.000 mPa·s DIN 53019

(at 22 °C)

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

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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
77-99-6	Propylidynetrimethanol				
	oral	LD50 ca. 14700 mg/kg	Rat	Study report (1956)	Method: groups of 5 male rats were given
	dermal	LD50 > 10000 mg/kg	Rabbit	Study report (1956)	Groups of 4 albino rabbits were evaluate

Irritation and corrosivity

Serious eye damage/eye irritation: Causes serious eye irritation.

Skin corrosion/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

Suspected of damaging fertility. Suspected of damaging the unborn child. (Propylidynetrimethanol)

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

Carcinogenicity: 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.

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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
77-99-6	Propylidynetrimethanol					
	Acute fish toxicity	LC50 > 1000 mg/l	96 h	Alburnus alburnus	Marine Pollution Bulletin, 14, 213-214 (	A static acute toxicity test was perform
	Acute algae toxicity	ErC50 > 1000 mg/l	72 h	Raphidocelis subcapitata	Citation of an unavailable study report	other: OECD Guideline, not further speci
	Crustacea toxicity	NOEC > 1000 mg/l	21 d	Daphnia magna	Citation of an unavailable study report	other: OECD guideline, not further speci
	Acute bacteria toxicity	EC50 > 1000 mg/l ()	3 h	activated sludge of a predominantly domestic sewage	Study report (2010)	EU Method C.11

12.2. Persistence and degradability

No data available

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/manufactur er
	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
77-99-6	Propylidynetrimethanol	-0,47

BCF

CAS No	Chemical name	BCF	Species	Source
77-99-6	Propylidynetrimethanol	< 1	Cyprinus carpio	Citation of an unava

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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

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.

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<u>14.4. Packing group:</u>	No dangerous good in sense of this transport regulation.
Air transport (ICAO-TI/IATA-DGR)	
<u>14.1. UN number or ID number:</u>	No dangerous good in sense of this transport regulation.
<u>14.2. UN proper shipping name:</u>	No dangerous good in sense of this transport regulation.
<u>14.3. Transport hazard class(es):</u>	No dangerous good in sense of this transport regulation.
<u>14.4. Packing group:</u>	No dangerous good in sense of this transport regulation.
<u>14.5. Environmental hazards</u>	
ENVIRONMENTALLY HAZARDOUS:	No
<u>14.6. Special precautions for user</u>	No dangerous good in sense of this transport regulation.
<u>14.7. Maritime transport in bulk according to IMO instruments</u>	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

Restrictions on use (REACH, annex XVII):

Entry 3

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). Observe employment restrictions under the Maternity Protection Directive (92/85/EEC) for expectant or nursing mothers. Observe employment restrictions for women of child-bearing age.

Water hazard class (D):

1 - slightly hazardous to water

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
 Repr: Reproductive toxicity
 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).

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

Classification	Classification procedure
Eye Irrit. 2; H319	Calculation method
Repr. 2; H361fd	Calculation method

Relevant H and EUH statements (number and full text)

H319 Causes serious eye irritation.
 H361fd Suspected of damaging fertility. Suspected of damaging the unborn child.

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.

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