

## Safety Data Sheet

according to Regulation (EC) No 1907/2006

### 8812/30T PU Resin

Revision date: 08.05.2024

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)

### 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

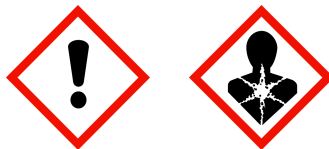
#### Regulation (EC) No 1272/2008

#### 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

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.  
P337+P313 If eye irritation persists: Get medical advice/attention.

#### Labelling of packages where the contents do not exceed 125 ml

Signal word: Warning

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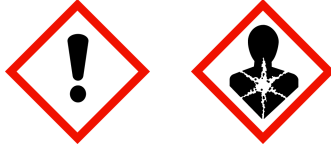
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#### Pictograms:



#### Hazard statements

H361fd

#### Precautionary statements

P280-P308+P313

#### 2.3. Other hazards

No information available.

### SECTION 3: Composition/information on ingredients

#### 3.2. Mixtures

##### 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

##### After inhalation

Provide fresh air. When in doubt or if symptoms are observed, get medical advice.

##### After contact with skin

After contact with skin, wash immediately with plenty of water and soap. Take off immediately all contaminated clothing and wash it before reuse. Medical treatment necessary.

##### After contact with eyes

Rinse immediately carefully and thoroughly with eye-bath or water. In case of eye irritation consult an

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ophthalmologist.

#### After ingestion

Observe risk of aspiration if vomiting occurs. Rinse mouth immediately and drink 1 glass of water.

#### 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

Co-ordinate fire-fighting measures to the fire surroundings.

#### 5.2. Special hazards arising from the substance or mixture

Non-flammable.

#### 5.3. Advice for firefighters

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

#### Additional information

Suppress gases/vapours/mists with water spray jet. Collect contaminated fire extinguishing water separately. Do not allow entering drains or surface water.

### SECTION 6: Accidental release measures

#### 6.1. Personal precautions, protective equipment and emergency procedures

##### General advice

Provide adequate ventilation. Do not breathe gas/fumes/vapour/spray. Avoid contact with skin, eyes and clothes. Use personal protection equipment.

#### 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 cleaning up

Absorb with liquid-binding material (sand, diatomaceous earth, acid- or universal binding agents). Treat the recovered material as prescribed in the section on waste disposal.

#### 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

No special measures are necessary.

##### Advice on protection against fire and explosion

No special fire protection measures are necessary.

##### 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.

#### 7.2. Conditions for safe storage, including any incompatibilities

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#### Requirements for storage rooms and vessels

Keep container tightly closed.

#### Hints on joint storage

No special measures are necessary.

#### 7.3. Specific end use(s)

Resins (prepolymers)

### SECTION 8: Exposure controls/personal protection

#### 8.1. Control parameters

##### 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 <sup>3</sup>
Worker DNEL, long-term		dermal	systemic	7,03 mg/kg bw/day
Consumer DNEL, long-term		inhalation	systemic	2,6 mg/m <sup>3</sup>
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 <sup>3</sup>
Worker DNEL, long-term		dermal	systemic	1,5 mg/kg bw/day
Consumer DNEL, long-term		inhalation	systemic	1,3 mg/m <sup>3</sup>
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/m <sup>3</sup>
Worker DNEL, long-term		dermal	systemic	0,94 mg/kg bw/day
Consumer DNEL, long-term		inhalation	systemic	0,58 mg/m <sup>3</sup>
Consumer DNEL, long-term		dermal	systemic	0,34 mg/kg bw/day
Consumer DNEL, long-term		oral	systemic	0,34 mg/kg bw/day

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#### 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

#### 8.2. Exposure controls



#### Individual protection measures, such as personal protective equipment

##### Eye/face protection

Wear eye protection/face protection.

##### Hand protection

When handling with chemical substances, protective gloves must be worn with the CE-label including the four control digits. The quality of the protective gloves resistant to chemicals must be chosen as a function of the specific working place concentration and quantity of hazardous substances. For special purposes, it is recommended to check the resistance to chemicals of the protective gloves mentioned above together with the supplier of these gloves.

##### Skin protection

Use of protective clothing.

##### Respiratory protection

In case of inadequate ventilation wear respiratory protection.

## 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
Melting point/freezing point:	not determined
Boiling point or initial boiling point and boiling range:	not determined
Flammability:	not applicable not applicable

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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):	1,03 - 1,08 g/cm <sup>3</sup>
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:

1600 - 2000 mPa·s

(at 22 °C)

## SECTION 10: Stability and reactivity

### 10.1. Reactivity

No hazardous reaction when handled and stored according to provisions.

### 10.2. Chemical stability

The product is stable under storage at normal ambient temperatures.

### 10.3. Possibility of hazardous reactions

No known hazardous reactions.

### 10.4. Conditions to avoid

none

### 10.5. Incompatible materials

No information available.

### 10.6. Hazardous decomposition products

No known hazardous decomposition products.

## SECTION 11: Toxicological information

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

#### Acute toxicity

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

#### ATEmix calculated

ATE (oral) &gt; 2000 mg/kg; ATE (dermal) &gt; 2000 mg/kg; ATE (inhalation vapour) &gt; 20 mg/l; ATE (inhalation dust/mist) &gt; 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.

#### 11.2. Information on other hazards

##### Endocrine disrupting properties

No information available.

#### Further information

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

### 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	Propylidyntrimethanol					
	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

The product has not been tested.

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

The product has not been tested.

##### 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	Propylidyntrimethanol	-0,47

##### BCF

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



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#### 12.4. Mobility in soil

The product has not been tested.

#### 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 information available.

#### **Further information**

Avoid release to the environment.

### SECTION 13: Disposal considerations

#### 13.1. Waste treatment methods

##### **Disposal recommendations**

Do not allow to enter into surface water or drains. 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

##### **Contaminated packaging**

Wash with plenty of water. Completely emptied packages can be recycled.

### SECTION 14: Transport information

#### **Land transport (ADR/RID)**

<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.

#### **Inland waterways transport (ADN)**

<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.

#### **Marine transport (IMDG)**

<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.

#### **Air transport (ICAO-TI/IATA-DGR)**

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

**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**Restrictions on use (REACH, annex XVII):  
Entry 3Information 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.

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.)*