

## SAFETY DATA SHEET

Safety data sheet according to (EF) no. 1907/2006.

### POINT 1: Identification of material/compounds and of the company/factory

#### 1.1. Product identifier:

Propylene glycol with taste

#### 1.2. Relevant identifying use of the material or compound and the usage that is contraindicated:

Feed ingredient

#### 1.3. Detailed information about the supplier for the safety data sheet:

Jorenku A/S  
Teglvaerksvej 11  
4733 Tappernoeye  
Denmark  
Tel.: +45 56214070

Responsible for safety data sheet (e-mail): jorenku@jorenku.dk

#### 1.4. Emergency phone:

Contact the poison centre in your own country.

### POINT 2: Identification of danger

#### 2.1. Classification of the material or compound:

CLP (1272/2008): None

#### 2.2. Label elements:

None.

#### 2.3. Other dangers:

PBT/vPvB: The ingredients are not PBT/vPvB according to the criteria in REACH annex XIII.

Endocrine disrupting properties: The ingredients are not considered endocrine disruptors according to the criteria of Regulation 2017/2100 or Regulation 2018/605.

### POINT 3: Compensation of/information about contents

#### 3.1. Compensation of/information about contents

#### 3.2. Compounds:

Substance name	CAS	EF-No.	Index-no.	REACH reg.no.	Substance Classification	Note
Propylene glycol	57-55-6	200-338-0	-	-	-	-

### POINT 4: First aid measures

#### 4.1. Description of first aid measures:

Inhalation: Bring the person to fresh air. Keep calm under supervision. In case of discomfort: Seek medical attention.

Skin: Remove contaminated clothing. Rinse skin and wash thoroughly with water and soap. In case of discomfort: Seek medical attention.

Eyes: Thoroughly rinse with water or physiological saline. If possibly remove contact lenses and open the eye wide. By continued irritation: Seek medical attention.



**Ingestion:** Immediately rinse mouth thoroughly and drink water in copious amounts. **Do not induce vomiting.** If vomiting occurs, keep the head low to avoid stomach contents in the lungs.

#### **4.2. Most important symptoms and effects, both acute and delayed:**

Mild irritation of the eyes with redness and sting. Consuming of large amounts causes stomach disturbance and, in severe cases, kidney damage. Flavouring substances can cause red and itchy eczema among sensitising persons.

#### **4.3. Indication of whether emergency medical attention and special treatment are needed:**

Show this safety data sheet to doctors or casualty ward.

### **POINT 5: Fire suppression**

#### **5.1. Suppression methods:**

Water fogging (never water jet - spreads the fire), foam, powder or carbon dioxide.

#### **5.2. Special dangers in connection with the material or compound:**

Avoid inhalation of flue gases. In case of fire, very toxic gases are formed: primarily carbon oxides.

#### **5.3. Indication for a fire department:**

Use compressed air mask by heavy smoke.

### **POINT 6: Accidental release measures**

#### **6.1. Personal precautions, personal protective equipment, and emergency procedures:**

Use personal protective equipment - see point 8. Limit spreading. Ensure good ventilation.

#### **6.2. Environmental protection indications:**

Avoid discharge to drains - see point 12. Inform local environmental authorities in case of spillage to the environment.

#### **6.3. Methods and equipment for containment and cleaning:**

Collected and handled as chemical waste. Rinse thoroughly with water. Further waste handling - see point 13.

#### **6.4. References to other points:**

See above.

### **POINT 7: Handling and storage**

#### **7.1. Measures for safe handling:**

Ensure effective ventilation. Avoid contact with skin and eyes. After use, wash with plenty of soap and water.

#### **7.2. Conditions for safe storage, including any incompatibility:**

Cool, dry and in well-ventilated area.

#### **7.3. Special usage:**

See use - point 1.

### **PUNKT 8: Exposure control/personal protective equipment**

#### **8.1. Control parameter:**

AT-limit value (reg. 1054 ff 28.06.2022):



	<b>8-hours limit value</b>	<b>Short-term limit value</b>	<b>Anm.</b>
Ethyl acetate	150 ppm = 540 mg/m <sup>3</sup>	400 ppm = 1468 mg/m <sup>3</sup>	E
Amylacetic ester	50 ppm = 271 mg/m <sup>3</sup>	100 ppm = 540 mg/m <sup>3</sup>	E

E: Included in the EU's limit value list.

**DNEL/ PNEC:** None

## 8.2. Exposure control:

Appropriate measures for exposure control: Provide effective ventilation.

Personal protective equipment:

Inhalation: Normally not necessary with effective ventilation.

Skin: Use protective gloves (EN374) of e.g. nitrile rubber (> 0.11 mm). Breakthrough time: 8 hours.

Eyes: Close-fitting safety glasses (EN166) in case of risk of spatter or eye contact.

Environmental exposure controls: None specific.

## POINT 9: Physical and chemical characteristics

### 9.1. Information about basic physical and chemical characteristics:

Appearance:	Viscous and sticky liquid
Color:	Colorless
Odor:	Aromatic (plum)
Melting point/freezing point (°C):	-59.5
Boiling point or bubble-point and boiling point interval (°C):	187.3
Ignitability (solid, gas):	Not determined
Upper and lower explosion limit (vol %):	2.6-12.5
Flash point (°C):	99 (closed crucible); 107 (open crucible)
Auto-ignition temperature (°C):	371
Decomposition temperature (°C):	Not determined
pH (at 25°C):	Approx. 7
Kinematic viscosity (mm <sup>2</sup> /s at 40°C):	Not determined
Solubility (g/l, 25°C):	Miscible with water
Partition coefficient n-octanol/water Log K <sub>ow</sub> (v. 20°C):	Not determined
Vapor pressure (hPa at 20°C):	0.1
Density and/or relative density (g/cm <sup>3</sup> , 20°C):	1.04
Relative vapor density (air=1):	Not determined
Particle properties:	Not relevant for liquids

### 9.2. Other information:

None relevant.

## POINT 10: Stability and reactivity

### 10.1. Reactivity:

No known.

### 10.2. Chemical stability:

Stable under recommended storage conditions - see point 7.

### 10.3. Risk of dangerous reactions:

None known.

## 10.4. Conditions that should be avoided:

None known.

## 10.5. Materials that should be avoided:

None known.

## 10.6. Dangerous decomposition products:

In case of fire or strong heating, very toxic gases are released: Primarily carbon oxides as well as aldehydes and organic acids such as lactic acid, pyruvic acid and acetic acid.

## POINT 11: Toxicological information

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

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

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.

Respiratory or skin sensitization: Based on available data, the classification criteria are not met.

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

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

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

Single STOT-exposure: Based on available data, the classification criteria are not met.

Repeated STOT-exposures: Based on available data, the classification criteria are not met.

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

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

Danger class	Data	Test	Data source
Acute toxicity:			
Inhalation	LC <sub>50</sub> (rat) > 317 mg/l/2h (Propylene glycol)	Not informed	ECHA
Dermal	LD <sub>50</sub> (rabbit) = 20,800 mg/kg (Propylene glycol)	OECD 402	ECHA
Oral	LD <sub>50</sub> (rat) = 20,000 mg/kg (Propylene glycol)	OECD 401	ECHA
Corrosivity/irritation:	No skin irritation, rabbit (Propylene glycol)	OECD 404	ECHA
	No eye irritation, rabbit (Propylene glycol)	OECD 405	ECHA
Sensitisation:	No skin sensitisation, guinea pig (Propylene glycol)	OECD 406	ECHA
CMR:	No CMR-effects (Propylene glycol)	Different	ECHA
	NOAEL (90d) = 1700 mg/kg/d (Propylene glycol)	Not informed	ECHA

Usual exposure methods: Lungs and gastrointestinal tract.

Symptoms

Inhalation: May be mildly irritating to the mucous membranes of the respiratory tract.

Skin: May be mildly irritating.

Eyes: May be irritating with redness and stinging.

Ingestion: Nausea may occur.

Chronic

effects: Consuming large amounts can cause kidney damage in severe cases. Aroma contains very small amounts of substances that can cause an allergic reaction with red and itchy eczema.

### 11.2. Information about other hazards: None known.



## POINT 12: Environmental information

### 12.1. Toxicity:

Aquatic	Data	Test (Media)	Data source
Fish	LC <sub>50</sub> (Fish, 96h) > 10000 mg/l (Propylene glycol)	OECD 203	ECHA
Crustacean	EC <sub>50</sub> (Daphnia magna, 48h) > 10000 mg/l (Propylene glycol)	OECD 202	ECHA
Alga	No available, relevant data.		

### 12.2. Persistence and degradability:

Propylene glycol is rapidly degradable in an OECD 301 test.

### 12.3. Bioaccumulative potential:

No available/applicable data.

### 12.4. Mobility in soil:

No available/applicable data.

### 12.5. Results of PBT and vPvB assessment:

The ingredients are not PBT/vPvB according to the criteria in REACH annex XIII.

### 12.6. Endocrine-disrupting capacities:

None known.

### 12.7. Other adverse effects:

None known.

## POINT 13: Removal

### 13.1. Methods for waste handling:

Use the local authority's collection scheme.

#### Chemical waste group: EAK-code:

H 16 05 09

H/Z 15 02 03 (absorbents contaminated with the product)

## POINT 14: Transport information

Not covered by the transport regulations (ADR/RID/IMDG/IATA).

14.1. UN-number or ID-number: None.

14.2. UN-shipment designation (UN proper shipping name): None.

14.3. Transport danger class(es): None.

14.4. Packaging group: None.

14.5. Environmental dangers: None.

14.6. Special regulations for the user: None.

14.7. Bulk transport by sea according to IMO instruments: Not relevant.

## POINT 15: Information about regulations

### 15.1. Special determinations/special rules for the material or compound with respect to safety, health and environment:

PR-number: Must not to be reported - see point 16.

### 15.2. Chemical safety evaluation:

No CSR.

## POINT 16: Other information

### Abbreviations:

AT = Working environment authority  
CMR = carcinogenic, mutagenic, or toxic to reproduction  
CSR = Chemical Safety Report  
DNEL = Derived No-Effect Level  
EC<sub>50</sub> = Effect Concentration 50 %  
LC<sub>50</sub> = Lethal Concentration 50 %  
LD<sub>50</sub> = Lethal dosage 50 %  
PBT = Persistent, Bioaccumulative, Toxic  
PNEC = Predicted No-Effect Concentration  
FW = Fresh Water  
vPvB = very Persistent, very Bioaccumulative

### Literature:

ECHA = REACH Registreringsdossier fra ECHA's hjemmeside

### Advice on training / instruction:

The product may only be used by persons who are carefully instructed in the execution of the work and who have knowledge of the contents of this safety data sheet.

### Further information:

The product does not have to be report to the Product Register, as it is not covered by the notification requirements.

### Changes since previous version:

Not relevant - first edition.

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