

# SAFETY DATA SHEET according to Regulation 1907/2006

Product name: **EK-Ekoolant Pastel (concentrate 250mL) Series**

Creation date: **2.7.2014**

Revision: : **4.7.2014**

Version: 1

## SECTION 1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND OF THE COMPANY/UNDERTAKING

### 1.1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION

Product name:

**EK-Ekoolant Pastel (concentrate 250mL) Series**

Product code

3830046999702, 3830046999719, 3830046999726, 3830046999733, 3830046999740, 3830046999757



chemius.net/vA2b1

### 1.2. USE OF THE SUBSTANCE/PREPARATION

Use:

Colour, paste

Uses advised against:

No information

### 1.3. COMPANY/UNDERTAKING IDENTIFICATION

Supplier

EKWB d.o.o.

Address: Pot za Brdom 100, 1000 Ljubljana, Slovenia

Tel.: +386 590 966 10

### 1.4. EMERGENCY TELEPHONE

Emergency:

112

Supplier:

+386 590 966 10

## SECTION 2. HAZARDS IDENTIFICATION

### 2.1 Classification of substance/preparation

#### 2.1.1. Classification according to directive 67/548/EEC or. 99/45/EC

According to the directive on preparations, the chemical is not classified as dangerous. Safety data sheet available for professional user on request.

### 2.2. Label elements

#### 2.2.1. Symbol letter(s):

According to the directive on preparations, the symbol is not needed.

#### 2.2.2. Risk phrases:

In accordance with the regulations risk phrases are not required.

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## 2.2.3. Safety phrases:

According to the legislation, safety phrases are not needed.

## 2.2.4. Contains:

-

## 2.2.5. Special provisions

Special hazards are not known or expected.

## **2.3. Other hazards**

No information

## **SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS**

### **3.1. Substances**

For mixtures see 3.2.

### **3.2. Mixtures**

<b>Chemical name</b>	<b>CAS EC Index</b>	<b>%</b>	<b>Classification according to Regulation (EC) No 1272/2008 [CLP]</b>	<b>Classification according to directive 67/548/EEC or 99/45/EC</b>	<b>REACH reg. number</b>
Water	7732-18-5 231-791-2 -	59-89	not classified	not classified	-
Glycerol	56-81-5 200-289-5 -	10-40	not classified	not classified	-

## **SECTION 4. FIRST AID MEASURES**

### **4.1. First-aid measures**

#### General measures:

In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible).

#### Skin contact:

Take off all contaminated clothing. Wash thoroughly with plenty of water and soap! If feeling unwell seek medical help.

#### Eye contact:

Immediately flush eyes with running water for at least 15 minutes, keeping eyelids open. If irritation persists, seek professional medical attention.

#### Inhalation:

No special measures.

#### Ingestion:

Rinse mouth with water. In case of doubt or if feeling unwell seek medical help. Show the physician the Safety Data Sheet or label.

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## 4.2. Symptoms

### Skin contact:

-

### Eye contact:

Contact with eyes can cause irritation.

### Inhalation:

-

### Ingestion:

-

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

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## SECTION 5. FIRE-FIGHTING MEASURES

### 5.1. Extinguishing media

#### Suitable extinguishing media

Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

#### Unsuitable extinguishing media

-

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

#### Hazardous combustion products

Not combustible / not flammable.

### 5.3. Advice for firefighters

#### Protective actions

-

#### Special protective equipment for fire-fighters

Fire-fighters should wear appropriate protective clothing for fire-fighters (including helmets, protective boots and gloves) (EN 469) and self-contained breathing apparatus (SCBA) with a full face-piece (EN 137) .

## SECTION 6. ACCIDENTAL RELEASE MEASURES

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

#### 6.1.1. For non-emergency personnel

##### **Protective equipment**

Use personal protective equipment (Section 8).

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## Emergency procedures

Ensure adequate ventilation. Avoid contact with skin and eyes.

### 6.1.2. For emergency responders

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## 6.2. Environmental precautions

Do not allow product to reach water/drains/sewage systems or permeable soil. If accidental entry into water or ground occurs, inform responsible authorities.

## 6.3. Methods and material for containment and cleaning up

### 6.3.1. For containment

-

### 6.3.2. For cleaning up

Absorb product (with inert material), collect it in special container and dispose it according to valid regulations on handling with waste.

### 6.3.3. Other information

-

## 6.4. Reference to other sections

See also sections 8 and 13.

## SECTION 7. HANDLING AND STORAGE

### 7.1. Precautions for safe handling

#### 7.1.1. Protective measures

##### **Measures to prevent fire**

Ensure adequate ventilation.

##### **Measures to prevent aerosol and dust generation**

-

##### **Measures to protect the environment**

-

#### 7.1.2. Advice on general occupational hygiene

Use good personal hygiene practices-wash hands at breaks and when done working with material. Do not eat, drink or smoke while working. Avoid contact with skin and eyes.

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

#### 7.2.1. Technical measures and storage conditions

Keep in cool and good ventilated area. Keep away from food, drink and animal feedingstuffs Keep in tightly closed container. Protect from direct sunlight. Keep in a dry place.

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## 7.2.2. Packaging materials

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## 7.2.3. Requirements for storage rooms and vessels

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## 7.2.4. Storage class

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## 7.2.5. Further information on storage conditions

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## 7.3. Specific end use(s)

### Recommendations

-

### Industrial sector specific solutions

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## SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

### 8.1. Control parameters

#### 8.1.1. Occupational Exposure limit values

Chemical name (CAS)	Limit values		Short-term exposure limit		Remarks	Biological Tolerance Values
	ml/m <sup>3</sup> (ppm)	mg/m <sup>3</sup>	ml/m <sup>3</sup> (ppm)	mg/m <sup>3</sup>		
Glycerol, mist (56-81-5)	-	10	-	-		

#### 8.1.2. Information on monitoring procedures

BS EN 14042:2003 Title Identifier: Workplace atmospheres. Guide for the application and use of procedures for the assessment of exposure to chemical and biological agents.

#### 8.1.3. DNEL values

##### For components

Chemical name	Type	exp. route	exp. frequency	value	Remark
Glycerol (56-81-5)	Worker	inhalation	long term (local effects)	56 mg/m <sup>3</sup>	
Glycerol (56-81-5)	Consumer	oral	long term (systemic effects)	229 mg/kg	
Glycerol (56-81-5)	Consumer	inhalation	long term (local effects)	33 mg/m <sup>3</sup>	

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## 8.1.4. PNEC values

### For components

Chemical name	exp. route	value	Remark
Glycerol (56-81-5)	fresh water	0,885 mg/l	
Glycerol (56-81-5)	marine water	0,0885 mg/l	
Glycerol (56-81-5)	water, intermittent release	8,85 mg/l	
Glycerol (56-81-5)	soil	0,141 mg/kg	

## 8.2. Exposure controls

### 8.2.1. Appropriate engineering control

#### Substance/mixture related measures to prevent exposure during identified uses

Use good personal hygiene practices-wash hands at breaks and when done working with material.

#### Technical measures to prevent exposure

Provide good ventilation and local exhaust in the area with increased concentration.

### 8.2.2. Personal protection equipment

#### Eye and face protection

Wear safety glasses with side shields against possible splashes into the eyes.

#### Hand protection

With excessive exposure wear protective gloves (EN 374). Protective gloves (EN 374).

#### Skin protection

Wear suitable protective clothing.

#### Respiratory protection

Not needed under normal use and adequate ventilation.

#### Thermal hazards

-

### 8.2.3. Environmental exposure controls

-

## SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

### 9.1. General information

-	<b>Physical state:</b>	liquid
-	<b>Colour:</b>	according to specification
-	<b>Odour:</b>	None

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## Important health, safety and environmental information

-	<b>pH</b>	7 — 8 at 25 °C, conc. 10 g/l
-	<b>Melting point</b>	-8 °C
-	<b>Boiling point/boiling range</b>	100 °C
-	<b>Flashpoint</b>	No information
-	<b>Evaporation rate</b>	No information
-	<b>Ignition temperature</b>	No information
-	<b>Explosion limits (vol%)</b>	No information
-	<b>Vapour pressure</b>	No information
-	<b>Vapour density</b>	No information
-	<b>Density</b>	<b>Density:</b> 0,8 — 1 g/cm <sup>3</sup> at 25 °C
-	<b>Solubility</b>	<b>Water:</b> 99 %
-	<b>Partition coefficient n-octanol/water (log Kow)</b>	No information
-	<b>Auto-ignition temperature</b>	No information
-	<b>Decomposition temperature</b>	No information
-	<b>Viscosity</b>	No information
-	<b>Explosive properties</b>	No information
-	<b>Oxidising properties</b>	No information

## 9.2. Other information

-	<b>Remarks:</b>	
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## SECTION 10. STABILITY AND REACTIVITY

### 10.1. Reactivity

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### 10.2. Chemical stability

Product is stable under normal conditions according to handling and storage.

### 10.3. Possibility of hazardous reactions

-

### 10.4. Conditions to avoid

No special precautions required. Consider the directions for use and storage.

### 10.5. Incompatible materials

-

### 10.6. Hazardous decomposition products

Under normal use conditions no hazardous decomposition products expected.

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## SECTION 11. TOXICOLOGICAL INFORMATION

### 11.1. Information on toxicological effects

#### 11.1.1. Acute toxicity

##### For product

exp. route	Type	species	Time	value	Method	Remark
oral	LD <sub>50</sub>	rat		> 10 mg/kg		

##### For components

Chemical name	exp. route	Type	species	Time	value	Method	Remark
Glycerol (56-81-5)	oral	LD <sub>50</sub>	rat		27 mg/kg		
Glycerol (56-81-5)	inhalation	LC <sub>50</sub>	rat	7 h	4655 mg/l		

#### 11.1.2. Skin corrosion/irritation, serious eye damage/irritation, aspiration hazard

##### Additional information

The product is not classified as irritating to skin and eyes.

#### 11.1.3. Respiratory or skin sensitisation

##### Additional information

Not classified as sensitizing.

#### 11.1.4. Carcinogenicity, Mutagenicity, Reproductive toxicity

##### Carcinogenicity

No information

##### (Germ cell) mutagenicity

No information

##### Reproductive toxicity

No information

##### Summary of evaluation of the CMR properties

The product is not classified as carcinogenic, mutagenic or toxic for reproduction.

#### 11.1.5. STOT-single and repeated exposure

No information



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## SECTION 12. ECOLOGICAL INFORMATION

### 12.1. Toxicity

#### 12.1.1. Acute (short-term) toxicity

##### For components

Substance (CAS Nr.)	Type	Value	Exposure time	Species	Organism	Method	Remark
Glycerol (56-81-5)	LC <sub>50</sub>	54000 mg/L	96 h	fish	<i>Oncorhynchus mykiss</i>		
	EC <sub>50</sub>	1000 mg/L	0	bacteria	Activated sludge		
	EC <sub>50</sub>	10000 mg/L	24 h	daphnia	<i>Daphnia magna</i>		

#### 12.1.2. Chronic (long-term) toxicity

No information

### 12.2. Persistence and degradability

#### 12.2.1. Abiotic degradation, physical- and photo-chemical elimination

No information

#### 12.2.2. Biodegradation

##### For components

Substance (CAS Nr.)	Type	Rate	Time	Evaluation	Method	Remark
Glycerol (56-81-5)	BPK	0,87 g O <sub>2</sub> /g				
Glycerol (56-81-5)	KPK	1,16 g O <sub>2</sub> /g			ISO 15705	
Glycerol (56-81-5)	ThOD	1,217 g O <sub>2</sub> /g				
Glycerol (56-81-5)	BOD (% ThOD)	71 % ThOD				
Glycerol (56-81-5)	aerobic			biodegradable		

#### Additional information

Preparation with easily biodegradable substances.

### 12.3. Bioaccumulative potential

#### 12.3.1. Partition coefficient n-octanol/water (log K<sub>ow</sub>)

##### For components

Substance (CAS Nr.)	Media	value	Temperature	pH	Concentration	Method
Glycerol (56-81-5)	Octanol-water (log P <sub>ow</sub> )	-1,76 – 2,6				

#### 12.3.2. Bioconcentration factor (BCF)

No information

### 12.4. Mobility

#### 12.4.1. Known or predicted distribution to environmental compartments

No information

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## 12.4.2. Surface tension

### For components

Substance (CAS Nr.)	value	Temperature	Concentration	Method	Remark
Glycerol (56-81-5)	0,063 N/m	20 °C			

## 12.4.3. Adsorption/Desorption

No information

## 12.5. Results of PBT and vPvB assessment

No evaluation.

## 12.6. Other adverse effects

No information

## 12.7. Additional information

### For product

Do not allow undiluted product or large quantities of it to reach ground water, water bodies or sewage system.

## SECTION 13. DISPOSAL CONSIDERATIONS

### 13.1. Waste treatment methods

#### 13.1.1. Product / Packaging disposal

##### Waste chemical

Ensure that waste is in compliance with local and national requirements.

##### Packaging

Completely emptied container dispose according to regulations. Clean container with water.

#### 13.1.2. Waste treatment-relevant information

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#### 13.1.3. Sewage disposal-relevant information

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#### 13.1.4. Other disposal recommendations

-

## SECTION 14. TRANSPORT INFORMATION

### 14.1. UN number

-

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## 14.2. UN proper shipping name

Not dangerous according to ADR.

## 14.3. Transport hazard class(es)

-

## 14.4. Packing group

-

## 14.5. Environmental hazards

NO

## 14.6. Special precautions for user

-

## 14.7. Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code

-

## SECTION 15. REGULATORY INFORMATION

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

- Regulation (EC) No 1907/2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH)
- Regulation (EC) No 1272/2008 on classification, labelling and packaging of substances and mixtures
- Dangerous preparations directive (99/45/EC) as amended
- Dangerous substances directive (67/548/EEC) as amended

#### 15.1.1. Information according 1999/13/EC about limitation of emissions of volatile organic compounds (VOC-guideline)

No information

### 15.2. Chemical Safety Assessment

No Chemical Safety Assessment has been carried out for this substance/mixture by the supplier.

## SECTION 16. OTHER INFORMATION

### Indication of changes

-

### Key literature references and sources for data

-

### List of relevant R phrases

-

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## List of relevant H phrases

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The information of this SDS is based on the present state of our knowledge and meets the requirements of EU and national laws. The user's working conditions however, are beyond our knowledge and control. The product is not to be used for purposes other than those specified under section 1 without a written permission. It remains the responsibility of the user to ensure that the necessary steps are taken to meet the laws and regulations. Handling of the product may only be done by people above 18 years of age, who are satisfactorily informed of how to do the work, the hazardous properties and necessary safety precautions. The information given in this SDS is to describe the product only in terms of health and safety requirements and should not, therefore, be construed as guaranteeing specific properties.