



## Safety Data Sheet

according to Regulation (EC) No 1907/2006

### Keradet-Aktiv

Revision date: 13.03.2020

Product code: j2502\_sd

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#### Hazardous components

CAS No	Chemical name			Quantity
	EC No	Index No	REACH No	
	GHS Classification			
67-63-0	Isopropyl alcohol			1 - < 5 %
	200-661-7	603-117-00-0	01-2119457558-25	
	Flam. Liq. 2, Eye Irrit. 2, STOT SE 3; H225 H319 H336			
69011-36-5	i-C13-Fatty alcohol polyglycol ethers 5-12 EO			1 - < 5 %
	931-138-8			
	Acute Tox. 4, Eye Dam. 1; H302 H318			
Polymer	Butanol, propoxylated, ethoxylated			1 - < 5 %
	Acute Tox. 4; H302			

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

#### SECTION 4: First aid measures

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

###### General information

No hazards which require special first aid measures.

###### After inhalation

not hazardous by inhalation

###### After contact with skin

Wash off with plenty of water.

###### After contact with eyes

Rinse thoroughly with plenty of water, also under the eyelids.

###### After ingestion

Clean mouth with water and drink afterwards plenty of water. Prevent vomiting if possible. Consult a physician if necessary.

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

This information is not available.

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

Show this safety data sheet to the doctor in attendance.

#### SECTION 5: Firefighting measures

##### 5.1. Extinguishing media

###### Suitable extinguishing media

Any extinguishing means and measures are acceptable.

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

This information is not available.

##### 5.3. Advice for firefighters

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

#### SECTION 6: Accidental release measures

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

Not required.

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**6.2. Environmental precautions**

Do not flush into surface water.

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

Wipe up with absorbent material (e.g. cloth, fleece).  
Never return spills in original containers for re-use.

**6.4. Reference to other sections**

Refer to protective measures listed in sections 7 and 8.

**SECTION 7: Handling and storage**

**7.1. Precautions for safe handling**

**Advice on safe handling**

No special precautions required.

**Advice on protection against fire and explosion**

When using do not smoke. Keep away from open flames, hot surfaces and sources of ignition.

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

**Requirements for storage rooms and vessels**

Store at room temperature in the original container. Keep away from direct sunlight. Store in a place accessible by authorized persons only.

**Hints on joint storage**

Keep away from food, drink and animal feedingstuffs.

**Further information on storage conditions**

Keep away from heat and sources of ignition.  
Keep container tightly closed.  
Never return unused material to storage receptacle.

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

This information is not available.

**SECTION 8: Exposure controls/personal protection**

**8.1. Control parameters**

**Exposure limits (EH40)**

CAS No	Substance	ppm	mg/m <sup>3</sup>	fibres/ml	Category	Origin
67-63-0	Propan-2-ol	400	999		TWA (8 h)	WEL
		500	1250		STEL (15 min)	WEL

**8.2. Exposure controls**

**Appropriate engineering controls**

Not required.

**Protective and hygiene measures**

General industrial hygiene practice. No special protective equipment required.

**Skin protection**

Not required

**Respiratory protection**

Not required

**Environmental exposure controls**

Handle in accordance with good industrial hygiene and safety practice.

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## SECTION 9: Physical and chemical properties

### 9.1. Information on basic physical and chemical properties

Physical state: liquid  
Colour: colourless  
Odour: pleasant

pH-Value (at 20 °C):

approx. 7,0 K-QP1012C

#### Changes in the physical state

Melting point: <0 °C  
Initial boiling point and boiling range: >78 °C  
Sublimation point: not applicable  
Softening point: not applicable  
Pour point: not applicable  
Flash point: 48 °C  
Sustaining combustion: Not sustaining combustion

#### Flammability

Solid: not applicable  
Gas: not applicable

#### Explosive properties

Not explosive

Lower explosion limits: not applicable  
Upper explosion limits: not applicable  
Ignition temperature: >200 °C

#### Auto-ignition temperature

Solid: not applicable  
Gas: not applicable

Decomposition temperature: not determined

#### Oxidizing properties

Not relevant

Vapour pressure: not determined

Density (at 20 °C): 1,00 g/cm<sup>3</sup> K-QP1012E

Water solubility: completely miscible  
(at 20 °C)

#### Solubility in other solvents

not determined

Partition coefficient: not determined

Viscosity / dynamic: not determined

Viscosity / kinematic: not determined

Flow time: not determined

Vapour density: not determined

Evaporation rate: not determined

### 9.2. Other information

Solid content: not determined

The product does not maintain the combustion.

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**SECTION 10: Stability and reactivity**

**10.1. Reactivity**

This information is not available.

**10.2. Chemical stability**

This information is not available.

**10.3. Possibility of hazardous reactions**

This information is not available.

**10.4. Conditions to avoid**

Do not expose to temperatures above 30 °C.

**10.5. Incompatible materials**

This information is not available.

**10.6. Hazardous decomposition products**

No decomposition if stored and applied as directed.

**Further information**

Do not mix with other detergents or chemicals.

**SECTION 11: Toxicological information**

**11.1. Information on toxicological effects**

**Acute toxicity**

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

CAS No	Chemical name				
	Exposure route	Dose	Species	Source	Method
69011-36-5	i-C13-Fatty alcohol polyglycol ethers 5-12 EO				
	oral	ATE 500 mg/kg			
Polymer	Butanol, propoxylated, ethoxylated				
	oral	ATE 500 mg/kg			

**Irritation and corrosivity**

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**

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.

**Further information**

Health injuries are not known or expected under normal use.

**SECTION 12: Ecological information**

**12.1. Toxicity**

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No data is available on the product itself.

#### **12.2. Persistence and degradability**

Contains no substances known to be hazardous to the environment or not degradable in waste water treatment plants. The surfactants in the product meet all requirements of the detergents regulation 648/2004/EC.

#### **12.3. Bioaccumulative potential**

This information is not available.

#### **12.4. Mobility in soil**

This information is not available.

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

This information is not available.

#### **12.6. Other adverse effects**

This information is not available.

#### **Further information**

Chemical Oxygen Demand (COD) 840 mg O<sub>2</sub>/g.

## SECTION 13: Disposal considerations

### **13.1. Waste treatment methods**

#### **Disposal recommendations**

Container should be emptied thoroughly. Do not pour remains of product in large quantities into the sewage.

#### **List of Wastes Code - residues/unused products**

070699 WASTES FROM ORGANIC CHEMICAL PROCESSES; wastes from the MFSU of fats, grease, soaps, detergents, disinfectants and cosmetics; wastes not otherwise specified

#### **List of Wastes Code - used product**

070699 WASTES FROM ORGANIC CHEMICAL PROCESSES; wastes from the MFSU of fats, grease, soaps, detergents, disinfectants and cosmetics; wastes not otherwise specified

#### **Contaminated packaging**

Clean container with water. Return cleaned containers to the company for recycling. Offer rinsed packaging material to local recycling facilities.

## SECTION 14: Transport information

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

<b><u>14.1. UN number:</u></b>	not applicable
<b><u>14.2. UN proper shipping name:</u></b>	not applicable
<b><u>14.3. Transport hazard class(es):</u></b>	not applicable
<b><u>14.4. Packing group:</u></b>	not applicable

### **14.5. Environmental hazards**

ENVIRONMENTALLY HAZARDOUS: no

### **14.6. Special precautions for user**

Not required

### **14.7. Transport in bulk according to Annex II of Marpol and the IBC Code**

not applicable

### **Other applicable information**

Not classified as dangerous in the meaning of transport regulations.

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## SECTION 15: Regulatory information

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

#### EU regulatory information

##### Additional information

The product does not need to be labelled in accordance with EC directives or respective national laws.

##### National regulatory information

Water hazard class (D): 2 - obviously hazardous to water

### 15.2. Chemical safety assessment

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

## SECTION 16: Other information

### Changes

This data sheet contains changes from the previous version in section(s): 1 / 3

### Abbreviations and acronyms

ADR: Accord européen sur le transport des marchandises dangereuses par Route (European Agreement concerning the International Carriage of Dangerous Goods by Road)  
IMDG: International Maritime Code for Dangerous Goods  
IATA: International Air Transport Association  
GHS: Globally Harmonized System of Classification and Labelling of Chemicals  
EINECS: European Inventory of Existing Commercial Chemical Substances  
ELINCS: European List of Notified Chemical Substances  
CAS: Chemical Abstracts Service  
LC50: Lethal concentration, 50%  
LD50: Lethal dose, 50%  
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  
DNEL: Derived No Effect Level  
DMEL: Derived Minimal Effect Level  
PNEC: Predicted No Effect Concentration  
ATE: Acute toxicity estimate  
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  
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)  
EmS: Emergency Schedules  
MFAG: Medical First Aid Guide  
MARPOL: International Convention for the Prevention of Marine Pollution from Ships  
IBC: Intermediate Bulk Container  
SVHC: Substance of Very High Concern

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For abbreviations and acronyms, see table at <http://abbrev.esdscom.eu>

#### Relevant H and EUH statements (number and full text)

H225	Highly flammable liquid and vapour.
H302	Harmful if swallowed.
H318	Causes serious eye damage.
H319	Causes serious eye irritation.
H336	May cause drowsiness or dizziness.

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