

## EU-SAFETY DATA SHEET

in accordance with Regulation (EC) no. 1272/2008

### KEMASOL

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

##### 1.1 Product identifier

Trade name: KEMASOL

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

Recommended Use: Emulsion for setting capillary moisture barriers

##### 1.3 Details of the supplier of the Safety Data Sheet:

KEMA d.o.o.,  
 Puconci 393, 9201 Puconci, Slovenija  
 T: +386 (0)2 545 95 00, F: +386 (0)2 545 95 10  
 Technical consulting: +386 (0)2 545 95 28, +386 (0)2 545 95 73  
 I: www.kema-on.net | E: info@kema.si

E-mail address of person responsible for Safety Data Sheets:

##### 1.4 Emergency telephone number:

#### SECTION 2: Hazards identification

##### 2.1 Classification of the substance or mixture

Labelling according to Regulation (EC) No 1272/2008 [CLP]:

Other information: Mixture of hydrocarbon and alkylsilicone resin with alkoxygroups.

Danger for human:

Irritating to eyes and skin.

Danger for environment:

No special hazard.

##### 2.2 Label elements

Labelling according to Regulation (EC) No 1272/2008 [CLP]

Pictograms:

**Xi IRRITATING**



Signal word:

Supplemental Hazard information (EU):

##### 2.3 Other hazards:

#### SECTION 3: Composition/information on ingredients

##### 3.1 Substance:

##### 3.2 Mixtures:

Description of the mixture: Mixture of hydrocarbon and alkylsilicone resin with alkoxygroups.

##### Hazardous ingredients:

Name	CAS No.	EC No.	Index No.	REACH Registration No.	% [weight]	Classification according to 67/548/EEC	Classification according to Regulation (EC) No 1278/2008 (CLP)
Potassium water-glass	1312-76-1	215-199-1	/	Xi	<2,5%	R36/37	
Potassium methylsiliconate	31795-24-1	/	/	C	3,5%	R35	
Potassium hydroxide	1310-58-3	/	/	C	0,21%	R35	

##### Other information:

The full text for all R-Phrases are described in chapter 16.

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### SECTION 4: First aid measures

#### 4.1 Description of first aid measures

General notes:

Following inhalation:

No special hazard.

Following skin contact:

Wash with plenty of water or soap and water; immediately remove all contaminated clothing.

Following eye contact:

Rinse immediately with plenty of water for 10-15 minutes and seek medical advice.

Following ingestion:

Induce drinking plenty of water in small portions. Do not induce vomiting. Seek medical advice and clearly identify substance.

Self-protection of the first aider:

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

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

### SECTION 5: Firefighting measures

#### 5.1 Extinguishing media

Suitable extinguishing media: /

Unsuitable extinguishing media:

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

Hazardous combustion products:

#### 5.3 Advice for firefighters

Special protection equipment for fire fighters:

Additional instructions:

#### General information:

Product does not burn. Use extinguishing measures appropriate to the source of the fire.

#### Further information:

In case of fire, wear a self contained breathing apparatus.

### SECTION 6: Accidental release measures

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

Keep unprotected persons away. Use personal protective equipment.

For non-emergency personnel:

For emergency responders:

#### 6.2 Environmental precautions:

Do not introduce into sewer system or in shore-waters. Dam up escaped liquid with earth or other suitable material. Observe local bye-laws

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

For containment:

For cleaning up:

Absorb mechanically and dispose of according to regulations. Absorb with a liquid binding material such as diatomaceous earth and dispose of according to regulation.

Other information:

#### 6.4 Reference to other sections:

### SECTION 7: Handling and storage

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### 7.1 Precautions for safe handling

Protective measures:  
Measures to prevent fire:  
Measures to prevent aerosol and dust generation:  
Measures to protect the environment:  
Advice on general occupational hygiene:

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

Technical measures and storage conditions: Protect against frost. Keep containers tightly closed  
Packaging materials:  
Requirements for storage rooms and vessels:  
Storage class:  
Further information on storage conditions:

### 7.3 Specific end use(s):

**Precautions against fire and explosion:** No special precautions against fire and explosion required.

## SECTION 8: Exposure controls/personal protection

### 8.1 Control parameters

#### 8.1.1 Occupational Exposure limit values

Information on monitoring procedures:

#### DNEL

Environmental protection target:

#### PNEC

### 8.2 Exposure controls

#### 8.2.1 Appropriate engineering controls:

Substance/mixture related measures to prevent exposure during identified uses:  
Structural measures to prevent exposure:  
Exposure control: n.a.  
Limit values related to the work environment: n.a.

#### Personal protective equipment::

When using, do not eat, drink or smoke. Avoid contact with skin.

Respiratory protection: Not necessary  
Hand protection: PVC gloves, rubber gloves recommended  
Eye protection: Goggles giving full protection recommended  
Skin protection: Protective clothing

Eye and face protection:  
Skin protection:  
Hand protection:  
Other skin protection:  
Respiratory protection:

#### 8.2.3 Environmental exposure controls:

## SECTION 9: Physical and chemical attributes

### 9.1 Information on basic physical and chemical properties

Appearance: liquid

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Odour:	characteristic
Odour threshold:	
pH:	13-14 at 20 °C
Melting point / freezing point:	
Initial boiling point and boiling range:	100 °C at 1013 hPa
Flash point:	
Evaporation rate:	
Flammability (solid, gas):	
Upper/lower flammability or explosive limits	
Lower:	
Upper:	
Vapour pressure:	
Vapour density:	1-1,06 g/cm <sup>3</sup> at 20 °C
Relative density:	
Solubility(ies):	completely miscible
Partition coefficient: n-octanol/water:	
Auto-ignition temperature:	
Decomposition temperature:	
Viscosity:	
Explosive properties:	
Oxidising properties:	

### 9.2 Other Information:

## SECTION 10: Stability and reactivity

### 10.1 Reactivity:

### 10.2 Chemical stability:

### 10.3 Possibility of hazardous reactions:

10.4 Conditions to avoid: n.a.

### 10.5 Incompatible materials:

### 10.6 Hazardous decomposition products:

**General information:** If stored and handled in accordance with standard industrial practise no hazardous reactions are known.

**Materials to avoid:** n.a.

**Hazardous decomposition products:** No decomposition if stored and applied as directed.

## SECTION 11: Toxicological information

### 11.1 Information on toxicological effects:

#### Acute toxicity

Inhalation: Acute toxicity: no data known  
Further toxicological information  
Irritation of eyes.  
Irritation of skin.  
Oversensitivity may be caused at sensitive persons.

Ingestion:

Dermal:

Skin corrosion/irritation:

Serious eye damage/irritation:

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Respiratory or skin sensitisation:

Germ cell mutagenicity:

Carcinogenicity:

Reproductive toxicity:

Summary of evaluation of the CMR properties:

STOT-single exposure:

STOT-repeated exposure:

Aspiration hazard:

Other Information:

### SECTION 12: Ecological information

#### 12.1 Toxicity:

Do not lead into waste water. Do not introduce into inshore waters.

Acute (short-term) toxicity:

Fish:

Crustacea:

Algae/aquatic plants:

Other organisms:

Chronic (long-term) toxicity:

Fish:

Crustacea:

Algae/aquatic plants:

Other organisms:

#### 12.2 Persistence and degradability:

Abiotic Degradation:

Physical- and photo-chemical elimination:

Biodegradation:

#### 12.3 Bioaccumulative potential:

Partition coefficient n-octanol /water (log Kow):

Bioconcentration factor (BCF):

#### 12.4 Mobility in soil:

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

#### 12.6 Other adverse effects:

#### 12.7 Other information:

### SECTION 13: Disposal considerations

#### 13.1 Waste treatment methods

##### Product / Packaging disposal:

Waste codes / waste designations according to LoW:

Waste treatment-relevant information:

Sewage disposal-relevant information:

Other disposal recommendations:

Recommendation: Dispose of according to regulations by incineration in a special waste incinerator. Observe local bye-laws. Incineration or deposit after solidification together with domestic waste is possible. Observe local bye-laws.

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Contaminated packaging:

Recommendation: Fully empty containers ( no tear drops, no powder rest, scraped carefully). Containers may be recycled or re-used. Observe local/national bye-laws.

### SECTION 14: Transport information

	ADR/RID	ADN/ADNR	IMDG	IATA
14.1 UN Number				
14.2 UN proper shipping name				
14.3 Transport hazard class(es)				
14.4 Packing group				
14.5 Environmental hazards				
14.6 Special precautions for user				

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

No danger according to transport. Keep from freezing.

### SECTION 15: Regulatory information

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

EU regulations:

Authorisations and/or restrictions on use:

Other EU regulations:

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

Restrictions of occupation:

Water hazard class:

According to regulations:

- Regulation (EC) No 1907/2006 of the European Parliament and of the Council of 18 December 2006
- Chemicals Act (official gazette, number 110/2003, 47/2004, 16/2008)
- Rules on the classification, packaging and labelling of dangerous substances (official gazette, number 35/2005, 54/2007)
- Rules on the classification, packaging and labelling of dangerous preparations (official gazette, number 67/2005, 137/2006)
- Decree on waste management (official gazette, number 34/2008)
- Decree on the management of packaging and packaging waste (official gazette, number 84/2006, 106/2006, 110/2007)
- Decision on the publishing of the Annexes A and B to the European Agreement concerning the International Carriage of Dangerous Goods by Road (official gazette, number 9/2007)
- Rules on the protection of workers from risks related to exposure to chemical substances at work (official gazette, number 100/2001, 39/2005, 53/2007)

The above information is based on our knowledge and experience and refer to the product in the state in what is delivered. The purpose of the information is to describe our product in relation to the safety requirements. Entries do not represent assurance the properties of the product in legal terms. Responsibility of the customer's is to know and take into account the legal provisions in relation to transport and use of the product. The characteristics of the product described in the technical information.

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### SECTION 16: Other Information

<b>Relevant H-statements:</b>	R36 Irritating to eyes. R38 Irritating to skin.
<b>Relevant P-statements:</b>	S24/25 Avoid contact with skin and eyes. S26 In case of contact with eyes, rinse immediately with plenty of water and seek medical advice. S28 After contact with skin, wash immediately with plenty of soap-suds.
Reason for change:	
Further information:	
<b>The meaning of R-phrases from 2 or 3 point safety data sheet:</b>	R 36/37/38 – Irritating to eyes and skin.
<b>Source for safety data sheet:</b>	Safety data sheet is harmonize with annex II Regulation (EC) No 1907/2006