

EU-SAFETY DATA SHEET

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

KEMACOLOR S

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

1.1 Product identifier

Trade name: KEMACOLOR S

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

Recommended Use: Silicate paint

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]:

Human health hazards:

The product is alkaline. Irritating to eyes and skin. In case of contact with eyes, rinse immediately with plenty of water and seek medical advice. After contact with skin, wash immediately with plenty of water.

Environmental hazards:

No classification according to EC- directives.

2.2 Label elements

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

Pictograms:

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: Water based silicate (potassium water glass) and acrylic binders, extenders, pigments, special additives.

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						

Other information:

This product is classified as not hazardous according to EC-directives EU 1999/45/EC.

SECTION 4: First aid measures

4.1 Description of first aid measures

General notes:

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Following inhalation:	/
Following skin contact:	Wash skin with water.
Following eye contact:	Flush eyes with water for 10 to 15 minutes, if necessary get medical attention.
Following ingestion:	Rinse mouth with water, do not induce vomiting, obtain medical attention immediately.
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:	Water shower, foam, carbon dioxide.
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:	/

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures:

Avoid contact with skin and eyes. Consider instructions for safe work.

For non-emergency personnel:

For emergency responders:

6.2 Environmental precautions:

Do not empty into drains or water.

6.3 Methods and material for containment and cleaning up:

For containment:

For cleaning up:

Absorb or contain liquid with sand, earth or spill control material. Shovel up and place in a labelled container for subsequent safe disposal.

Other information:

6.4 Reference to other sections:

SECTION 7: Handling and storage

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:

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Packaging materials:

Requirements for storage rooms and vessels:

Storage class:

Further information on storage conditions:

7.3 Specific end use(s):

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:

Respiratory protection: When spraying use an approved respirator.

Hand and body protection: Repeated or prolonged skin contact: use protective hand cream.

Eye protection: Use splash goggles when eye contact may occur.

Hygiene measures: Wash hands before breaks and immediately after handling the product.

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 to paste

Odour: specific

Odour threshold:

pH: 10,5 (at +20°C)

Melting point / freezing point: n.a.

Initial boiling point and boiling range: n.a.

Flash point: n.a.

Evaporation rate:

Flammability (solid, gas):

Upper/lower flammability or explosive limits

Lower:

Upper:

Vapour pressure:

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Vapour density:

Relative density: 1,6 kg/m³

Solubility(ies):

Partition coefficient: n-octanol/water:

Auto-ignition temperature:

Decomposition temperature:

Viscosity:

Explosive properties:

Oxidising properties:

9.2 Other Information:

It freezes at 0°C
It boils at +100°C

SECTION 10: Stability and reactivity

10.1 Reactivity:

10.2 Chemical stability:

10.3 Possibility of hazardous reactions:

10.4 Conditions to avoid:

The product is stable under normal conditions of storage and handling. Dangerous reactions and dangerous decomposition products are not known.

10.5 Incompatible materials:

10.6 Hazardous decomposition products:

SECTION 11: Toxicological information

11.1 Information on toxicological effects:

Acute toxicity

Inhalation:

This product is classified as not hazardous according to EC – directives 88 / 379 / EEC. The fully cured product is not health hazardous.

Ingestion:

Dermal:

Skin corrosion/irritation:

Serious eye damage/irritation:

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:

Should not be discharged into surface water or groundwater.
Water hazard class I (self-assessment): slightly water hazard.

Acute (short-term) toxicity:

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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:

Liquid waste: EWC: 08 01 12. Disposal according to the local legislation. Liquid waste must not be disposed together with domestic wastes, poured into water or in sewage system. After hardening deposit as a construction waste: EWC: 17 09 04.
 Packaging EWC 15 01 02: Packaging may be recycled after appropriate cleaning.

Waste codes / waste designations
 according to LoW:

Waste treatment-relevant information:

Sewage disposal-relevant information:

Other disposal recommendations:

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":

ADR/RID: not classified
 IMDG: not classified

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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:

Labeling:

In accordance with EC Regulation labeling is not required.

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)

SECTION 16: Other Information

Relevant H-statements:

/

Relevant P-statements:

S2-Keep out of the reach of children.
S24/25-Avoid any inhalation, contact with skin and eyes. Wear suitable protective clothing and gloves.
S36/37/39-Wear suitable protective clothing, gloves and eye/face protection.

Reason for change:

Further information:

Source for safety data sheet:

Safety data sheet is harmonize with annex II REGULATION (EC) No 1907/2006

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.