



Kinetics Controls & Innovation Ltd

SAFETY DATA SHEET

MS-Sealant 01 Compound

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

1.1. Product identifier

Product name MS-Sealant 01 Compound

Synonyms; trade names MS-Sealant 01 Compound

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

Identified uses Sealant.

Uses advised against No specific uses advised against are identified.

1.3. Details of the supplier of the safety data sheet

Supplier KCI Ltd (Kinetics Control and Innovation Limited)
Unit 4 & 6-7
1 Kirkhill Place
Dyce
Aberdeen
AB21 0GU
UK
+44 (0)1224 255480
www.kciltld.co.uk
info@kciltld.co.uk

Contact person Roy MacKenzie

1.4. Emergency telephone number

Emergency telephone +44 (0) 1224 255480 (office hours only)

National emergency telephone NHS: 111 (Members of the public)

number UK National Poisons Information Service: 0844 892 0111 (Health Professionals Only)

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SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Classification

Physical hazards	Not Classified
Health hazards	Eye Irrit. 2 - H319
Environmental hazards	Not Classified

2.2. Label elements



Pictogram

Signal word	Warning
Hazard statements	H319 Causes serious eye irritation.
Precautionary statements	P264 Wash contaminated skin thoroughly after handling. P280 Wear protective gloves/protective clothing/eye protection/face protection. P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. P337+P313 If eye irritation persists: Get medical advice/attention.

2.3. Other hazards

SECTION 3: Composition/information on ingredients

3.2. Mixtures

Calcium Carbonate	30-60%
CAS number: 471-34-1	EC number: 207-439-9
	REACH registration number: 012119486795-18-XXXX
Classification Not Classified	
Silicic acid, ethyl ester	10-30%
CAS number: 11099-06-2	EC number: 234-324-0
Classification Flam. Liq. 3 - H226 Acute Tox. 4 - H302 Eye Irrit. 2 - H319 STOT SE 3 - H335	

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The Full Text for all R-Phrases and Hazard Statements are Displayed in Section 16.

SECTION 4: First aid measures

4.1. Description of first aid measures

General information	Get medical advice/attention if you feel unwell.
Inhalation	Remove person to fresh air and keep comfortable for breathing.
Ingestion	Get medical attention if symptoms are severe or persist.
Skin contact	After contact with skin, take off immediately all contaminated clothing, and wash immediately with plenty of water.
Eye contact	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Get medical attention if symptoms are severe or persist after washing.
Protection of first aiders	First aid personnel should wear appropriate protective equipment during any rescue.

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

Inhalation	No specific symptoms known.
Ingestion	No specific symptoms known.
Skin contact	No specific symptoms known.
Eye contact	Causes serious eye irritation.

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

Notes for the doctor	Treat symptomatically.
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SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media Foam. Carbon dioxide (CO₂). Powder. Dry chemicals. Water spray, fog or mist. Inert gas.

Unsuitable extinguishing media None known.

5.2. Special hazards arising from the substance or mixture

Specific hazards None known.

Hazardous combustion products Oxides of carbon. Metal products. Silica. Formaldehyde.

5.3. Advice for firefighters

Protective actions during firefighting In case of fire: Evacuate area. Fight fire with normal precautions from a reasonable distance. Cool containers exposed to flames with water until well after the fire is out.

Special protective equipment materials. for firefighters Use protective equipment appropriate for surrounding

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SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Personal precautions Wear suitable protective equipment, including gloves, goggles/face shield, respirator, boots, clothing or apron, as appropriate.

6.2. Environmental precautions

Environmental precautions The product is not expected to be hazardous to the environment. The product is not expected to be toxic to aquatic organisms.

6.3. Methods and material for containment and cleaning up

Methods for cleaning up Stop leak if safe to do so. Remove spillage with vacuum cleaner or collect with a shovel and broom, or similar. Place waste in labelled, sealed containers. Dispose of contents/container in accordance with local regulations.

6.4. Reference to other sections

Reference to other sections For personal protection, see Section 8. See Section 11 for additional information on health hazards. For waste disposal, see Section 13.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Usage precautions Avoid contact with skin and eyes.

Advice on general hygiene Provide eyewash station. Wash hands thoroughly after handling. Good personal hygiene occupational hygiene procedures should be implemented.

7.2. Conditions for safe storage, including any incompatibilities

Storage precautions Keep away from oxidising materials, heat and flames.

7.3. Specific end use(s)

Specific end use(s) The identified uses for this product are detailed in Section 1.2.

SECTION 8: Exposure Controls/personal protection

8.1. Control parameters

Occupational exposure limits

Calcium Carbonate

Long-term exposure limit (8-hour TWA): WEL 10 mg/m³ inhalable aerosol

Long-term exposure limit (8-hour TWA): WEL 4 mg/m³ respirable aerosol

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WEL = Workplace Exposure Limit

Ingredient comments Silicic acid, ethyl ester (EC 234-324-0, CAS 11099-06-2):

DNEL No information available.

PNEC No information available.

8.2. Exposure controls

Protective equipment



Appropriate engineering
controls

Provide adequate ventilation.

Eye/face protection

Wear eye protection.

Hand protection

Wear protective gloves.

Hygiene measures

Good personal hygiene procedures should be implemented.

SECTION 9: Physical and Chemical Properties

9.1. Information on basic physical and chemical properties

Appearance

Paste.

Colour

White.

Odour

Nearly Odourless

Flash point

298.9°C

Solubility(ies)

Immiscible with water.

Comments

This information is not intended for use in preparing product specification.

9.2. Other information

SECTION 10: Stability and reactivity

10.1. Reactivity

Reactivity

There are no known reactivity hazards associated with this product.

10.2. Chemical stability

Stability

No particular stability concerns.

10.3. Possibility of hazardous reactions

Possibility of hazardous
reactions

No potentially hazardous reactions known.

10.4. Conditions to avoid

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Conditions to avoid None known.

10.5. Incompatible materials

Materials to avoid Strong oxidising agents.

10.6. Hazardous decomposition products

Hazardous decomposition Heating may generate the following products: Carbon dioxide (CO₂). Carbon monoxide (CO).
products Formaldehyde vapour. Silicon dioxide.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Acute toxicity - oral

ATE oral (mg/kg) 5,000.0

Serious eye damage/irritation

Serious eye damage/irritation Irritation of eyes is assumed.

SECTION 12: Ecological Information

Ecotoxicity Not regarded as dangerous for the environment.

12.1. Toxicity

Toxicity No information available.

12.2. Persistence and degradability

Persistence and degradability No information available.

12.3. Bioaccumulative potential

Bioaccumulative potential No information available.

12.4. Mobility in soil

Mobility No information available.

12.5. Results of PBT and vPvB assessment

Results of PBT and vPvB This product does not contain any substances classified as PBT or vPvB.
assessment

12.6. Other adverse effects

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Other adverse effects No information available.

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Disposal methods Disposal of this product, process solutions, residues and by-products should at all times comply with the requirements of environmental protection and waste disposal legislation and any local authority requirements.

SECTION 14: Transport information

General The product is not covered by international regulations on the transport of dangerous goods (IMDG, IATA, ADR/RID).

14.1. UN number

Not applicable.

14.2. UN proper shipping name

Not applicable.

14.3. Transport hazard class(es)

No transport warning sign required.

14.4. Packing group

Not applicable.

14.5. Environmental hazards

Environmentally hazardous substance/marine pollutant

No.

14.6. Special precautions for user

Not applicable.

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

Transport in bulk according to Not applicable. Annex II of MARPOL 73/78 and the IBC Code

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SECTION 15: Regulatory information

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

15.2. Chemical safety assessment

No chemical safety assessment has been carried out.

Inventories

EU - EINECS/ELINCS

All the ingredients are listed or exempt.

SECTION 16: Other information

General information	The data contained herein does not constitute the user's own assessment or workplace risk as required by other health and safety legislation (e.g. COSHH 1988). The data does not signify any warranty with regard to the product's properties.
Revision comments	This revision to the SDS removed classification information according to Directive 67/548/EEC (Dangerous Substances Directive) and Directive 1999/45/EC (Dangerous Preparations Directive). Removal of this information is a requirement of Regulation (EC) No 1272/2008 (Classification Labelling and Packaging Regulation).
Revision date	03/07/2015
Supersedes date	09/03/2015
SDS number	4596
Hazard statements in full	H226 Flammable liquid and vapour. H302 Harmful if swallowed. H319 Causes serious eye irritation. H335 May cause respiratory irritation.