

Productname : High Temperature Sealant
Ref.Nr.: UDS000402_3_20151217 (EN)

Creationdate : 17.12.15 Version : 1.0
Replaces: UDS000402_20120522

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

1.1. Product identifier

High Temperature Sealant
Bulk

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

Sealants and Isolation

1.3. Details of the supplier of the safety data sheet

CRC Industries UK Ltd.
Ambersil House - Wylds Road
Castlefield Industrial Estate
TA6 4DD Bridgwater Somerset
United Kingdom
Tel.: +44 1278 727200
Fax.: +44 1278 425644
E-mail : hse.uk@crcind.com

1.4. Emergency telephone number

(+44)(0)1278 72 7200

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Classification according to Regulation (EC) No 1272/2008

Physical:	Not classified
Health:	Serious eye damage, category 1 Causes serious eye damage. Skin irritation, category 2 Causes skin irritation.
Environment:	Not classified
Other hazards :	Not classified

2.2. Label elements

Labelling according to Regulation (EC) No 1272/2008

Product identifier: Contains:



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methylsilanetriyl triacetate
 Acetic acid, dianhydride with silicic acid (H4SiO4) bis(1,1-dimethylethyl) ester
 acetic acid ... %

Hazard pictogram(s):**Signal word:**

Danger

Hazard statement(s):

H318 : Causes serious eye damage.
 H315 : Causes skin irritation.

Precautionary statement(s):

P101 : If medical advice is needed, have product container or label at hand.
 P102 : Keep out of reach of children.
 P280 : Wear protective gloves/protective clothing/eye protection/face protection.
 P305/351/338 : IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
 P310 : Immediately call a POISON CENTER or doctor/physician.
 P501-2 : Dispose of contents/container to an authorised waste collection point.

2.3. Other hazards

None

SECTION 3: Composition/information on ingredients**3.1. Substances**

Not applicable.

3.2. Mixtures

Hazardous ingredient	Registration number	CAS-nr.	EC-nr	w/w %	Hazard Class and Category	Hazard statement	Notes
methylsilanetriyl triacetate		4253-34-3	224-221-9	<3	Acute Tox. 4, Skin Corr. 1B	H302,H314	
Acetic acid, dianhydride with silicic acid (H4SiO4) bis(1,1-dimethylethyl) ester		13170-23-5	236-112-3	<2	Acute Tox. 4, Skin Corr. 1B	H302,H314	
acetic acid ... %		64-19-7	200-580-7	<1	Flam. Liq. 3, Skin Corr. 1A	H226,H314	

(* Explanation phrases : see chapter 16)

SECTION 4: First aid measures**4.1. Description of first aid measures****Contact with eyes :**

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
 Immediately call a POISON CENTER or doctor/physician.

Contact with skin :

Take off contaminated clothing and wash before reuse.
 IF ON SKIN: Wash with plenty of soap and water.

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Inhalation :	If skin irritation occurs: Get medical advice/attention. IF INHALED: Remove person to fresh air and keep comfortable for breathing. Call a POISON CENTER or doctor/physician if you feel unwell.
Ingestion :	If swallowed do not induce vomiting Seek medical advice

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

Inhalation :	May cause irritation. Symptoms : sore throat, cough
Ingestion :	May cause gastrointestinal disturbances Symptoms : sore throat, abdominal pain, nausea, vomiting
Skin contact :	Irritating to skin. Symptoms : redness and pain
Eye contact :	Risk of serious damage to eyes. Symptoms : redness and pain, impaired vision

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

General Advice :	If you feel unwell, seek medical advice (show the label where possible) If symptoms persist always call a doctor
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SECTION 5: Firefighting measures

5.1. Extinguishing media

foam, carbon dioxide or dry agent

5.2. Special hazards arising from the substance or mixture

May give off noxious and toxic fumes in a fire

5.3. Advice for firefighters

Keep container(s) exposed to fire cool, by spraying with water
In case of fire, do not breathe fumes
Wear breathing apparatus

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Avoid contact with skin and eyes.
Ensure adequate ventilation
Wear suitable protective clothing including eye/face protection.

6.2. Environmental precautions

Do not allow to enter public sewers and watercourses



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If polluted water reaches drainage systems or water courses, immediately inform appropriate authorities

6.3. Methods and material for containment and cleaning up

Absorb spillage in suitable inert material

6.4. Reference to other sections

For further information see section 8

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Do not breathe aerosols or vapours.
 Ensure adequate ventilation
 Avoid contact with skin and eyes.
 Wash thoroughly after use
 Wear protective gloves/protective clothing/eye protection/face protection.
 Eyewash bottles should be available

7.2. Conditions for safe storage, including any incompatibilities

Keep container tightly closed, in a cool, well ventilated place.
 Keep out of reach of children.

7.3. Specific end use(s)

Sealants and Isolation

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

Exposure limits :

Hazardous ingredient	CAS-nr.	method	
EU established exposure limits:			
acetic acid ... %	64-19-7	TWA	10 ppm

8.2. Exposure controls

Control procedures : Ensure adequate ventilation
Personal protection : Take precautions to avoid contact with skin and eyes when handling the product.
 Ensure adequate ventilation
inhalation : In case of insufficient ventilation, wear suitable respiratory equipment.
hands and skin : Wear suitable protective gloves



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Recommended gloves: Nitrile
eyes : Wear safety goggles according to EN 166.
Environmental protection: Avoid release to the environment.
Collect spillage.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Apperance : physical state : Paste.
colour : Red.
odour : Acetic acid.
pH : Not available.
Boiling point/range : Not available.
Flash point : >150 °C (Closed Cup)
Evaporation rate : Not available.
Explosion limits : upper limit : Not available.
lower limit : Not available.
Vapour pressure : Not available.
Relative density : 1.07 g/cm3.
Solubility in water : Immiscible with water
Auto-ignition : > 400 °C
Viscosity : Not available.

9.2. Other information

SECTION 10: Stability and reactivity

10.1. Reactivity

No hazardous reactions known if used for its intended purpose

10.2. Chemical stability

Stable

10.3. Possibility of hazardous reactions

In case of fire, do not breathe fumes
May give off noxious and toxic fumes in a fire

10.4. Conditions to avoid

heat

10.5. Incompatible materials

Strong oxidising agent



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10.6. Hazardous decomposition products

CO,CO2

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Information on likely routes of exposure:

Inhalation :	May cause irritation.
Ingestion :	May cause gastrointestinal disturbances
Skin contact :	Irritating to skin.
Eye contact :	Risk of serious damage to eyes.

Toxicological data :

No information available

SECTION 12: Ecological information

12.1. Toxicity

Not classified

Ecotoxicological data:

No information available

12.2. Persistence and degradability

No information available

12.3. Bioaccumulative potential

No information available

12.4. Mobility in soil

Immiscible with water

12.5. Results of PBT and vPvB assessment

No information available

12.6. Other adverse effects



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No information available

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Product : This material and its container must be disposed of in a safe way.
Do not discharge into drains or the environment, dispose to an authorised waste collection point.

Contaminated packaging : Disposal should be in accordance with local, state or national legislation

SECTION 14: Transport information

14.1. UN number

UN-number : Not classified as hazardous for transport

14.2. UN proper shipping name

Proper shipping name: Not applicable.

14.3. Transport hazard class(es)

Class: Not applicable.
ADR/RID - Classification code: Not applicable.

14.4. Packing group

Packing group: Not applicable.

14.5. Environmental hazards

ADR/RID - Environmentally hazardous: No
IMDG - Marine pollutant: No
IATA/ICAO - Environmentally hazardous: No

14.6. Special precautions for user

IMDG - Ems: Not applicable.

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

Not applicable.

SECTION 15: Regulatory information



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

The Safety Data Sheet is compiled according to the current European requirements.
EU-directive 99/45/EC
Regulation (EC) No 1907/2006 (REACH)
Regulation (EC) No 1272/2008 (CLP)

15.2. Chemical safety assessment

No information available

SECTION 16: Other information

*Explanation risk-phrases:

- R10: Flammable.
- R14: Reacts violently with water.
- R22: Harmful if swallowed.
- R34: Causes burns.
- R35: Causes severe burns.
- RR22
- R34: Causes burns.

*Explanation hazard statements:

- H226 : Flammable liquid and vapour.
- H302 : Harmful if swallowed.
- H314 : Causes severe skin burns and eye damage.

This product should be stored, handled and used in accordance with good industrial hygiene practices and in conformity with any legal regulation.

The information contained herewith is based on the present state of our knowledge and is intended to describe our products from the point of view of safety requirements. It does not guarantee any specific properties. Apart from any fair dealing for purposes of study, research and review of health, safety and environmental risks, no part of these documents may be reproduced by any process without written permission from CRC.