



# COSHH Risk Assessment

MD111

## SUBSTANCE INFORMATION

Substance/material: Solid (Paste)

Trade name: Silicone Sealant

What is the substance used for? Sealant with broad applications

(E.g. cleaning floors, protective coating, etc.)

What are the hazardous ingredients/chemicals in the substance? (List below)

Butan-2-one O, O', O''-(methylsilyldyne) trioxime (CAS No. 22984-54-9)

Butan-2-one O, O', O''-(vinylsillidyne) trioxime (CAS No. 2224-33-1)

Methyltris (methylisbutylketoxime) silane (CAS No. 37859-57-7)

Fungicide (CAS No. 10605-21-7)

Do any of the chemicals have a:

Workplace Exposure Limit? (State opposite)

None found in EH40

Is the substance: (Check for an orange 'CHIP' square on the product data sheet or packaging.)

- |   |                                     |   |   |
|---|-------------------------------------|---|---|
| <input type="checkbox"/> Extremely flammable? | <input type="checkbox"/> Oxidising? | <input type="checkbox"/> Very toxic?          | <input type="checkbox"/> Sensitising?   |
| <input type="checkbox"/> Highly flammable?    | <input type="checkbox"/> Harmful?   | <input type="checkbox"/> Corrosive?           | <input type="checkbox"/> Other? (Specify below.)  |
| <input type="checkbox"/> Flammable?           | <input type="checkbox"/> Toxic?     | <input checked="" type="checkbox"/> Irritant? | Otherwise, no real hazard when good occupational hygiene practices are in place during use. |

Is the substance hazardous to health when:

- |   |  |  |
|---|--|--|
| <input checked="" type="checkbox"/> In contact with skin? | <input checked="" type="checkbox"/> Breathed in? | <input type="checkbox"/> Other (Specify below) |
| <input checked="" type="checkbox"/> In contact with eyes? | <input type="checkbox"/> Swallowed?              |  |

## USE OF SUBSTANCE

How should the substance be used? To be applied to the area to be sealed.

(E.g. diluted in water, applied with a brush, sprayed, etc.)

How much is used every week? Not known at this time

(State quantity in litres or kilos as appropriate.)

Who is exposed to the substance? Those who are using the product.

(E.g. those using it, pupils, service users, etc.)

Does the substance present additional risks to certain groups or individuals?

(E.g. young people, expectant mothers.) No

## CONTROL MEASURES

Can a less hazardous substance be used to do the same job?

Yes

No

(If you don't know, please contact your supplier for further information.)

What controls are required for this substance, other than Personal Protective Equipment (PPE)?

(E.g. well ventilated areas, not in spray/mist form, mechanical ventilation, authorised persons only.)

Ensure adequate ventilation – mechanical ventilation is recommended when used in confined spaces, if this is not possible, then take regular breaks in fresh air.

Is any Personal Protective Equipment (PPE) required when using the substance?

Avoid contact with skin, eyes and clothing. Do not ingest or breathe product vapours during vulcanisation. Exercise good industrial hygiene and safety practice. Wash after handling and especially before eating, drinking or smoking. Working procedures should be designed to minimise exposure to the product. Where this is not possible the following personal protective equipment should be provided.



Eye protection? (Chemical safety goggles with side protection are recommended)



Gloves? (Impervious gloves (protection index 3; breakthrough time according to EN374 >60 minutes) Glove material : nitrilo rubber, butyl rubber, plastic, PVC)



Overalls/clothing? (Impervious working clothes)



Mask/respirator? (State type required)



Other? (State type required)

**How should the substance be stored?** Store in the original containers in a cool, dry, well ventilated location. Protect from direct sunlight, UV radiation, frost and extremes of weather. Do not store with food, drink or animal feed. Stores should be dry, frost protected and safe. Comply with national regulatory directives: Storage of water hazardous substances.

**Please turn over**

**Have persons using this substance been provided with information or training on its use?** Yes   
(As a minimum ensure a copy of this assessment is in a known and readily accessible location.) No

**OTHER PRECAUTIONS AND EMERGENCY PROCEDURES**

**Spillages:** How should an accidental release/spillage of this substance be dealt with?

Wear suitable protective equipment. Ensure adequate ventilation and avoid breathing in aerosols/vapours. Avoid contact with product. Secure undamaged containers in a protected place. In case of big spills caused by damaged containers, keep unauthorised persons and ensure adequate ventilation. Contain spill and absorb onto sand or any other inert material. Close all drains and prevent product from entering sewers, workpits or basements. Allow viscous material to cure and scrape up and place in a suitable container. Dispose of material in accordance with local authority regulations. Clean area with water and a surfactant.

**First aid:** What actions should be taken if the substance is:

- |   |  |
|---|--|
| a) Swallowed? Ingestion is not considered a route of exposure for this product. If conscious, rinse out mouth with plenty of water. If discomfort persists, then seek medical advice. | b) In contact with eyes? After separating eyelids, immediately flush with plenty of water for at least 5 minutes. If irritation persists, then seek medical advice.  |
| c) In contact with skin? Remove contaminated clothing and shoes. Wash skin thoroughly with plenty of soap and water. If irritation persists, then seek medical advice.                | d) Inhaled? Remove the casualty to fresh air. Ease any tight fitting clothes and keep airways clear. If discomfort persists, then seek medical advice, show the product container or label to medical personnel. |

e) Other? (Please specify.)

**Fire precautions:** What actions should be taken in the event of fires involving this substance?

The main fire hazard is from the inflammability of the packaging material for the product, in which the product is commercially distributed in. The product is combustible heating will cause of pressure rise with a risk of bursting. The combustion gases/vapours produced by the product can be flammable and toxic. Suitable extinguishing media include: Carbon Dioxide, powder, foam and water spray.

**Chemical reactions:** Is there any other substance that this substance must not come into contact with?

Reacts with strong oxidants.

Reacts with water / humidity liberating 2 butanone oxime.

**Disposal:** How should the substance be disposed of (or not disposed of)?

Allow product to cure and dispose of by landfill – category: commercial waste/landfilling – category: municipal waste. Dispose of packaging after separating different materials - category: commercial waste/landfilling – category: municipal waste.

**Health surveillance:** Do staff using the substance require any health surveillance?

No

### ASSESSMENT OF RISK

**Are all the controls detailed above currently in place?** Yes  No

**If these controls are not in place, or additional controls are required, state action to be taken.**

**Please note** - COSHH substances must **NOT** be used if adequate control measures are not in place.

Remedial actions required	Date for completion

**Are hazards to health adequately controlled with all control measures in place?** Yes  No

<b>Assessor(s) name:</b> Chris Ogden	<b>Assessor(s) signature:</b> Chris Ogden	<b>Date:</b> 01/01/17
--------------------------------------	---	-----------------------

The Line Manager should sign below to show that the assessment is a correct and reasonable reflection of the hazards and of the control measures and actions required.

<b>Line Managers name:</b>	<b>Line Managers signature:</b>	<b>Date:</b>
<b>Remedial actions complete:</b> (Date)	<b>Line Managers signature:</b>	<b>Reviewed on:</b>

**A copy of the product safety data sheet must be attached to this assessment.**