

**1 IDENTIFICATION OF THE PRODUCT AND OF THE SUPPLIER**

<b>Product Name</b>	<b>SILICONE ROOF &amp; GUTTER</b>
<b>Hazard Statement</b>	<b>Classified as Hazardous according to HSNO in New Zealand. Not classified as a Dangerous Good according to NZS5433:1999 Transport of Dangerous Goods on Land.</b>
<b>Recommended Use</b>	A neutral cure silicone sealant for roof and gutter applications. NOT suitable for potable water applications.
<b>Supplier</b>	<b>Bostik New Zealand Limited</b>
<b>Street Address</b>	19 Eastern Hutt Road, Wingate, Lower Hutt, New Zealand
<b>Telephone</b>	++64 4 567 5119
<b>Facsimile</b>	++64 4 567 5412
<b>Website</b>	<a href="http://www.bostik.co.nz">www.bostik.co.nz</a>
<b>Emergency Telephone Number</b>	<b>National Poisons Centre 0800 POISON or 0800 764 766</b>
<b>Emergency Response</b>	In New Zealand <b>0800 CHEMCALL or 0800 243 622</b> In Australia <b>1800 033 111</b> Globally <b>++64 3 353 0199</b>

**2 HAZARDS IDENTIFICATION**

Note: When curing is complete, the resulting product is an inert and non-toxic silicone elastomer, which is not hazardous.

**Hazard Statement** WARNING In the uncured state, causes eye irritation.

**Precautions** Wear protective clothing, gloves and glasses when skin or eye contact is likely.

**HSNO Classifications**

6.4A Causes eye irritation.

6.5B May cause an allergic skin reaction.

**3 COMPOSITION / INFORMATION ON INGREDIENTS**

Chemical Name	CAS	Proportion
Alkyltris (Oxime) Silane(s)	2224-33-1 & 22984-54-9	Low
Non-hazardous ingredients (siloxanes and silicones)	70131-67-8-	High
By-product of curing: Methyl Ethyl Ketoxime	96-29-7	On contact with air or moisture: Up to 4%

High = &gt;60%    Medium = 10% - 60%    Low = 1% - 10%    Very Low = &lt; 1%

**4 FIRST AID MEASURES**

If poisoning occurs, contact the National Poison Centre:  
New Zealand 0800 POISON or 0800 764 766.

**First Aid**

<b>Inhalation</b>	Remove person to fresh air. Get medical advice if breathing becomes difficult.
<b>Skin Contact</b>	Remove contaminated clothing and wash skin with warm soapy water. Do not scrub. If irritation occurs, get medical assistance.
<b>Eye Contact</b>	Flood gently with water for 15 minutes. Remove contact lenses promptly if present and easy to do. If eye irritation persists, get medical attention.
<b>Ingestion</b>	Rinse mouth with water. Do not induce vomiting, give a glass of water to dilute and get medical advice immediately. Never give anything by the mouth to an unconscious patient. If vomiting occurs give further water.
<b>Advice to Physician</b>	Treat symptomatically.

**5 FIRE FIGHTING MEASURES**

<b>Type of Hazard</b>	Combustible material
<b>HAZCHEM Code</b>	Not applicable
<b>Extinguishing Media</b>	Not flammable, however if material is involved in a fire use water fog (or if unavailable a fine water spray), foam, or dry agent (carbon dioxide, dry chemical powder).
<b>Unsuitable extinguishing Media</b>	Not applicable



**Precautions for Firefighters**      Wear self contained breathing apparatus

**Additional Advice**      Product may release ethanol vapours, which are highly flammable and may form explosive mixtures with air in enclosed spaces.  
  
Formaldehyde can be produced when heated above 150°C.

**6 ACCIDENTAL RELEASE MEASURES**

**Small Spills (< 20 litres)**      Wear protective equipment to prevent skin and eye contamination. Dust surface with sand or similar material to prevent sticking and then scrape up. Wipe clean with absorbent (clean rag or paper towels). Collect and seal in properly labelled containers or drums for disposal.

**Large Spills (> 20 litres)**      Slippery when spilt. Avoid accidents and clean up immediately. Wear protective equipment to prevent skin and eye contamination. Contain spill to prevent run off into drains and waterways. Use absorbent (rags, soil, sand, or other inert material). Collect and seal in properly labelled containers or drums for disposal. To remove slippery traces after a spillage scrub with hot water and detergent, or wipe with a cloth wet with a high flashpoint solvent such as kerosine.

**7 HANDLING AND STORAGE**

**Handling**      Wear the appropriate personal protection equipment as specified in this SDS to prevent eye and skin contact. Provide sufficient ventilation during application to keep odour levels comfortably low.

**Storage**      Store in a cool, dry, well ventilated place out of direct sunlight. Store away from any incompatible materials as defined in Section 10 of this SDS. Keep containers closed when not in use. Check regularly for leaks.

**8 EXPOSURE CONTROLS / PERSONAL PROTECTION**

<b>Workplace Exposure Guidelines</b>		
<b>Substance</b>	<b>WES-TWA</b>	<b>WES-STEL</b>
By-product of curing: Methyl Ethyl Ketoxime	3 ppm (Recommended)	10 ppm (Recommended)
<b>Engineering Controls</b>	Natural ventilation should be adequate under normal conditions of use.	
<b>Personal Protection Equipment</b>	Overalls, safety shoes, safety glasses (if working at or above head height), gloves if skin contact is likely.	

**9 PHYSICAL AND CHEMICAL PROPERTIES**

<b>Appearance</b>	Translucent non-flowing paste
<b>Odour</b>	Oxime
<b>Flash Point</b>	>60°C
<b>Autoignition temperature</b>	>400°C
<b>Boiling Point</b>	Not applicable
<b>Specific Gravity</b>	1.04 approximately
<b>Solubility in Water</b>	Insoluble

**10 STABILITY AND REACTIVITY**

<b>Stability of Substance</b>	This material is thermally stable when stored and used as directed.
<b>Conditions to Avoid</b>	No information available.
<b>Incompatible Materials</b>	Oxidising agents, acids and alkalis.
<b>Hazardous Decomposition Products</b>	Thermal decomposition is highly dependant on conditions. A complex mixture of airborne solids, liquids and gases, including carbon monoxide, carbon dioxide and other organic compounds will be evolved when this material undergoes combustion or thermal or oxidative degradation.
<b>Hazardous Reactions</b>	No information available.

**11 TOXICOLOGICAL INFORMATION**

No adverse health effects are expected if the product is handled in accordance with this Safety Data Sheet and the product label. Symptoms or effects that may arise if the product is mishandled and overexposure occurs are:

**Acute Effects**

<b>Inhalation</b>	High concentrations of the vapour released during cure may cause irritation of the respiratory tract.
<b>Skin Contact</b>	Uncured product may cause irritation.
<b>Eye Contact</b>	Uncured product is an eye irritant.
<b>Ingestion</b>	Swallowing can result in nausea and vomiting.



**Long Term Effects**

Exposure of product to air or contact with moisture will slowly release methyl ethyl ketoxime (MEKO) vapours. MEKO is suspected of causing cancer in humans.

Repeated or prolonged contact with uncured product may lead to allergic contact dermatitis in sensitive individuals.

**12 ECOLOGICAL INFORMATION**

Avoid contaminating waterways.

**Ecotoxicity** Not classified as Ecotoxic under HSNO.

**Persistence and degradability** The product does not biodegrade.

**Mobility** Not soluble in water.

**13 DISPOSAL CONSIDERATIONS**

**Substance Disposal** Dispose of in an authorised landfill. Do not dispose of down drains or into local waterways.

**Container Disposal** Dispose of in an authorised landfill.

**Local Legislation** Disposal should be in accordance with applicable regional and national laws and regulations.

**14 TRANSPORT INFORMATION**

**Land Transport**

Not classified as Dangerous Goods by the criteria of NZS 5433:1999 Transport of Dangerous Goods on Land for transport by road or rail.

**Marine Transport**

Not classified as Dangerous Goods by the criteria of the International Maritime Dangerous Goods Code (IMDG Code) for transport by sea.

**Air Transport**

Not classified as Dangerous Goods by the criteria of the International Air Transport Association (IATA) Dangerous Goods Regulations for transport by air.

**15 REGULATORY INFORMATION**

The regulatory information is not intended to be comprehensive. Other regulations may apply to this material.

**Environmental Risk Management Authority (ERMA) Group Standard Number:**

Surface Coatings and Colourants (Subsidiary Hazard) Group Standard 2006  
HSR002670

**Hazardous Substances and New Organisms Act (HSNO):**

Approved Handler not required.

**16 OTHER INFORMATION**

**SDS Revisions** Safety Data Sheets are updated at least every 5 years. This is not a controlled document. Obtain the latest version by visiting [www.bostik.co.nz](http://www.bostik.co.nz).

**Reason for Issue** Minor wording changes.

**SDS Distribution** The information in this document should be made available to all who may handle this product.

This SDS summarises at the date of issue our best knowledge of the health and safety hazard information of this product, and in particular how to safely handle and use the product in the workplace. Since Bostik New Zealand Limited cannot anticipate or control the conditions under which the product may be used, each user must review this SDS prior to usage, in the context of how the user intends to handle and use the product in the workplace. If clarification or further information is needed to ensure that an appropriate assessment can be made, the user should contact Bostik New Zealand Limited. Our responsibility for product as sold is subject to our standard terms and conditions, a copy of which is sent to our customers and is available upon request.

**Key / Legend**

<b>SDS</b>	Safety Data Sheet
<b>HSNO</b>	Hazardous Substances and New Organisms Act 1996
<b>WES-TWA</b>	The time-weighted average exposure standard designed to protect the worker from the effects of long-term exposure.
<b>WES-STEL</b>	The 15 minute average exposure standard. This applies to any 15 minute period in a working day and is designed to protect the worker against adverse effects of irritation, chronic or irreversible tissue change, or narcosis that may increase the likelihood of accidents. The WES-STEL is not an alternative to WES-TWA; both the short-term and time-weighted average exposures apply.

**Disclaimer** This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product.