1 IDENTIFICATION OF THE PRODUCT AND OF THE SUPPLIER

Product Name	**SILICONE ROOF & GUTTER**
Hazard Statement	**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.**
Recommended Use	A neutral cure silicone sealant for roof and gutter applications. **Is NOT suitable for potable water applications.**
Supplier	**Bostik New Zealand Limited**
Street Address	19 Eastern Hutt Road, Wingate, Lower Hutt, New Zealand
Telephone	++64 4 567 5119
Facsimile	++64 4 567 5412
Website	www.bostik.co.nz

Emergency Telephone Number	**National Poisons Centre** **0800 POISON or 0800 764 766**	
Emergency Response	In New Zealand	**0800 CHEMCALL or 0800 243 622**
	In Australia	**1800 127 406**
	Globally	**++64 3 353 0199**

Date of Preparation 06 September 2011

2 HAZARDS IDENTIFICATION

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

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

Precautions Wear protective clothing, gloves and glasses.

HSNO Classifications

6.4A Causes eye irritation.

3 COMPOSITION / INFORMATION ON INGREDIENTS

Chemical Name	CAS	Proportion
Alkyltris (Oxime) Silane(s)	2224-33-1 & 22984-54-9	Low
3-Aminopropyltriethoxysilane	919-30-2	Low
Non-hazardous ingredients	-	Up to 100%
By-product of curing: Methyl Ethyl Ketoxime	96-29-7	On contact with air or moisture: Up to 3.7 %

High = >60% Medium = 10% - 60% Low = 1% - 10% Very Low = < 1%

4 FIRST AID MEASURES

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

First Aid

Inhalation Remove person to fresh air. Get medical advice if breathing becomes difficult.

Skin Contact Remove contaminated clothing and wash skin with warm soapy water. Do not scrub. If irritation occurs, get medical assistance.

Eye Contact Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do. Continue rinsing. If eye irritation persists, get medical attention.

Ingestion 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.

Advice to Physician Treat symptomatically.

5 FIRE FIGHTING MEASURES

Type of Hazard Non-flammable material.

HAZCHEM Code Not applicable

Fire Hazard Properties Unknown due to the complex nature of this material. Fumes from complete or incomplete combustion of this material may include carbon dioxide, carbon monoxide, oxides of nitrogen, or a wide variety of innocuous or toxic fumes.

Extinguishing Media	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).
Unsuitable Extinguishing Media	Not applicable
Precautions for Firefighters	Wear self contained breathing apparatus
Additional Advice	. Formaldehyde can be produced when the material is heated above 150℃.

6 ACCIDENTAL RELEASE MEASURES

Small Spills (< 20 litre)	Wear protective equipment to prevent skin and eye contamination. Wipe up with absorbent (clean rag or paper towels). Collect and seal in properly labelled containers or drums for disposal.
Large Spills (> 20 litre)	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.

7 HANDLING AND STORAGE

Handling	Wear the appropriate personal protection equipment as specified in this SDS to prevent eye and skin contact.
Storage	Store in a cool, dry, well ventilated place and 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

Workplace Exposure Guidelines

Substance	WES-TWA	WES-STEL
By-product of curing: Methyl Ethyl Ketoxime	3 ppm (Recommended)	10 ppm (Recommended)

Engineering Controls	Natural ventilation should be adequate under normal conditions of use.
Personal Protection Equipment	Overalls, safety shoes, safety glasses, gloves.

9 PHYSICAL AND CHEMICAL PROPERTIES

Appearance	Translucent non-flowing paste
Odour	Oxime
Boiling Point ^{o}C	Not applicable
Specific Gravity	1.0
Solubility in Water	Very low

High = >60% Medium = 10% - 60% Low = 1% - 10% Very Low = < 1%

10 STABILITY AND REACTIVITY

Stability of Substance	This material is thermally stable when stored and used as directed.
Conditions to Avoid	No information available.
Incompatible Materials	Oxidising agents, acids and alkalis.
Hazardous Decomposition Products	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.
Hazardous Reactions	No information available.

11 TOXICOLOGICAL INFORMATION

No adverse health effects 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

Inhalation	High concentrations of vapour, released during curing, may cause irritation of the respiratory tract.
Skin Contact	Uncured product contact with skin may result in irritation.
Eye Contact	Uncured product is an eye irritant.
Ingestion	Swallowing can result in nausea and vomiting.

Long Term Effects	Exposure of product to air or contact with moisture will give off 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. Obtain the latest version by visiting www.bostik.co.nz.

Reason for Issue Change of recommended use.

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, prior to usage, review this SDS 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

SDS	Safety Data Sheet
HSNO	Hazardous Substances and New Organisms Act 1996
WES-TWA	The time-weighted average exposure standard designed to protect the worker from the effects of long-term exposure.
WES-STEL	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.