

# Material Safety Data Sheet



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## NON-Hazardous Substance, NON-Dangerous Goods

### 1. MATERIAL AND SUPPLY COMPANY IDENTIFICATION

Product name: **Z Bond General Purpose Silicone 616**

Synonyms:	Mancode
Z Bond General Purpose Silicone 616, Black 410 grams	661870
Z Bond General Purpose Silicone 616 Dark Grey, 410 grams	326038
Z Bond General Purpose Silicone 616 Light Grey, 410 grams	661890
Z Bond General Purpose Silicone 616 Mist Green, 410 grams	661910
Z Bond General Purpose Silicone 616 Matt White, 410 grams	309036
Z Bond General Purpose Silicone 616 Off White, 410 grams	661920
Z Bond General Purpose Silicone 616 Primrose Smooth Cream, 410 grams	661930
Z Bond General Purpose Silicone 616 Sandstone, 410 grams	326216
Z Bond General Purpose Silicone 616 Slate Grey, 410 grams	661950
Z Bond General Purpose Silicone 616 Stone Beige, 410 grams	661960
Z Bond General Purpose Silicone 616 Trans, 300 grams	661970
Z Bond General Purpose Silicone 616 White, 410 grams	661980
Z Bond General Purpose Silicone 616 Heritage Red, 410 grams	363499

**Recommended use:** General purpose silicone sealant

<b>Supplier:</b>	Bostik Australia Pty Ltd	Bostik New Zealand Limited
<b>ABN:</b>	79 003 893 838	
<b>Street Address:</b>	51-71 High Street Thomastown VIC 3074 Australia	19 Eastern Hutt Road Wingate Lower Hutt New Zealand
<b>Telephone:</b>	+613 9279-9333	+644 567-5119
<b>Facsimile:</b>	+613 9279-9342	+644 567-5412
<b>Website:</b>	<a href="http://www.bostik.com.au">www.bostik.com.au</a>	<a href="http://www.bostik.co.nz">www.bostik.co.nz</a>

**Emergency telephone number:** Australia – 1800 033 111      New Zealand – 0800 243 622

### 2. HAZARDS IDENTIFICATION

#### AUSTRALIA CLASSIFICATION

Based on available information, this material is not classified as hazardous according to criteria of Safe Work Australia.

**Poisons Schedule (Aust):** Not applicable

#### NEW ZEALAND CLASSIFICATION

Based on available information, this material is not classified as hazardous according to criteria of ERMA New Zealand.

#### DANGEROUS GOODS CLASSIFICATION

Not classified as Dangerous Goods by the criteria of the "Australian Code for the Transport of Dangerous Goods by Road & Rail" and the "New Zealand NZS5433: Transport of Dangerous Goods on Land".

**Product name:** Z Bond General Purpose Silicone 616

**Substance Key:** BOS0048447

**Issued:** 12 January 2010

**Version:** 2.0

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## 3. COMPOSITION INFORMATION

CHEMICAL ENTITY	CAS NO.	PROPORTION
Ingredients determined to be non-hazardous	-	100%
2-Butanone oxime (Methyl ethyl ketoxime) will be released during sealant curing	96-29-7	-
		100%

## 4. FIRST AID MEASURES

If poisoning occurs, contact a doctor or Poisons Information Centre (Phone Australia 131 126, New Zealand 0800 764 766).

**Inhalation:** Remove victim from exposure - avoid becoming a casualty. Remove contaminated clothing and loosen remaining clothing. Allow patient to assume most comfortable position and keep warm. Keep at rest until fully recovered. Seek medical advice if effects persist.

**Skin contact:** If skin or hair contact occurs, remove contaminated clothing and flush skin and hair with running water. If swelling, redness, blistering or irritation occurs seek medical assistance.

**Eye contact:** If in eyes wash out immediately with water. In all cases of eye contamination it is a sensible precaution to seek medical advice.

**Ingestion:** Rinse mouth with water. If swallowed, do NOT induce vomiting. Give a glass of water to drink. Never give anything by the mouth to an unconscious patient. If vomiting occurs give further water. Seek medical advice.

**Notes to physician:** Treat symptomatically.

## 5. FIRE-FIGHTING MEASURES

**Specific hazards:** Combustible material.

**Fire fighting further advice:** On burning may emit toxic fumes. Fire fighters to wear self-contained breathing apparatus and suitable protective clothing if risk of exposure to vapour or products of combustion.

**Hazchem Code:** Not applicable.

**Suitable extinguishing media:** If material is involved in a fire use water fog (or if unavailable fine water spray), foam, dry agent (carbon dioxide, dry chemical powder).

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## 6. ACCIDENTAL RELEASE MEASURES

### SMALL SPILLS

Wear protective equipment to prevent skin and eye contamination. Avoid inhalation of vapours. Wipe up with absorbent (clean rag or paper towels). Allow absorbent to dry before disposing with normal household garbage.

### LARGE SPILLS

Slippery when spilt. Avoid accidents, clean up immediately. Wear protective equipment to prevent skin and eye contamination and the inhalation of vapours. Work up wind or increase ventilation. Contain - prevent run off into drains and waterways. Use absorbent (soil, sand or other inert material). Collect and seal in properly labelled containers or drums for disposal. If contamination of sewers or waterways has occurred advise local emergency services.

**Dangerous Goods – Initial Emergency Response Guide No:** Not applicable.

## 7. HANDLING AND STORAGE

**Handling:** Avoid eye contact and repeated or prolonged skin contact.

**Storage:** Store in a cool, dry, well-ventilated place and out of direct sunlight. Store away from incompatible materials described in Section 10. Keep containers closed when not in use - check regularly for leaks.

## 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

### National occupational exposure limits:

No value assigned for this specific material by Safe Work Australia or Department of Labour New Zealand.

**Biological Limit Values:** As per the "National Model Regulations for the Control of Workplace Hazardous Substances (Safe Work Australia)" the ingredients in this material do not have a Biological Limit Allocated.

**Engineering measures:** Natural ventilation should be adequate under normal use conditions.

**Personal protection equipment:** OVERALLS, SAFETY SHOES, SAFETY GLASSES, GLOVES.

When handling individual retail packs no personal protection equipment is required. Wear overalls, safety glasses and impervious gloves. Use with adequate ventilation. If inhalation risk exists wear organic vapour/particulate respirator meeting the requirements of AS/NZS 1715 and AS/NZS 1716. Available information suggests that gloves made from nitrile rubber should be suitable for intermittent contact. However, due to variations in glove construction and local conditions, the user should make a final assessment. Always wash hands before smoking, eating, drinking or using the toilet. Wash contaminated clothing and other protective equipment before storing or re-using.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

**Form / Colour / Odour:** Thixotropic paste, various colours with ammonical odour.

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<b>Solubility:</b>	Insoluble in water
<b>Specific Gravity (20 °C):</b>	approx. 1.0
<b>Relative Vapour Density (air=1):</b>	>1
<b>Vapour Pressure (20 °C):</b>	N Av
<b>Flash Point (°C):</b>	N Av
<b>Flammability Limits (%):</b>	N Av
<b>Autoignition Temperature (°C):</b>	N Av
<b>Melting Point/Range (°C):</b>	N Av
<b>Boiling Point/Range (°C):</b>	N Av
<b>pH:</b>	N App
<b>Evaporation Rate (n-Butyl acetate=1):</b>	>1

(Typical values only - consult specification sheet)  
N Av = Not available                      N App = Not applicable

## 10. STABILITY AND REACTIVITY

**Chemical stability:** This material is thermally stable when stored and used as directed.

**Conditions to avoid:** Elevated temperatures and sources of ignition. Contact with water (including humid conditions) will result in product curing.

**Incompatible Materials:** Oxidising agents.

**Hazardous decomposition products:** Oxides of carbon and nitrogen, smoke and other toxic fumes.

**Hazardous reactions:** When curing, methyl ethyl ketoxime will be released.

## 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:** Methyl ethyl ketoxime is liberated during application and curing. Vapour may be irritant to mucous membranes and respiratory tract.

**Skin contact:** Repeated or prolonged skin contact may lead to irritation. Methyl ethyl ketoxime, released during application and curing, is a skin sensitiser. Repeated or prolonged skin contact may lead to allergic contact dermatitis. Cured sealant is not expected to be a skin irritant.

**Eye contact:** May be an eye irritant.

**Ingestion:** Swallowing can result in nausea, vomiting and irritation of the gastrointestinal tract. Swallowing cured sealant not expected to cause adverse effects expected however large amounts may cause nausea and vomiting.

**Long Term Effects:** Repeated or prolonged exposure to methyl ethyl ketoxime may result in nasal tissue damage (based on animal testing).

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## Acute toxicity / Chronic toxicity

No LD50 data available for the product. However, for :

Methyl ethyl ketoxime (2-Butanone oxime):

Oral LD50 (rat): 2,300-3,700 mg/kg  
Dermal LD50 (rat): >1,000 mg/kg  
Inhalation LC50 (rat): >4.8 mg/L (4 hour)

Eye irritant (rabbit): Corrosive  
Skin irritant: Mild irritant.

Skin sensitiser: Weak skin sensitiser.

## 12. ECOLOGICAL INFORMATION

Avoid contaminating waterways.

**Ecotoxicity:** No information available.

**Persistence and degradability:** No information available.

**Mobility:** No information available.

## 13. DISPOSAL CONSIDERATIONS

Refer to State/Territory Land Waste Management Authority.

## 14. TRANSPORT INFORMATION

### ROAD AND RAIL TRANSPORT

Not classified as Dangerous Goods by the criteria of the "Australian Code for the Transport of Dangerous Goods by Road & Rail" and the "New Zealand NZS5433: Transport of Dangerous Goods on Land".

### 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

**Poisons Schedule (Aust):** Not applicable

All the constituents of this material are listed on the Australian Inventory of Chemical Substances (AICS).

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## 16. OTHER INFORMATION

### Literary reference

This Material Safety Data Sheet has been prepared by EIAS Pty Ltd on behalf of its client.

Reason(s) For Issue: Addition of NZ Classification

Material Safety Data Sheets are updated frequently. Please ensure that you have a current copy.

This MSDS summarises at the date of issue our best knowledge of the health and safety hazard information of the product, and in particular how to safely handle and use the product in the workplace. Since Bostik Australia Pty Ltd cannot anticipate or control the conditions under which the product may be used, each user must, prior to usage, review this MSDS 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 this company.

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 also available upon request.