

Material Safety Data Sheet

SELLEYS

PTY LIMITED
ACN 000 049 427

1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND THE COMPANY/UNDERTAKING

Product name: POLY SILICONE ALL PURPOSE SEALANT - CLEAR

Synonyms:

CAS-No.:

Molecular Formula:

Manufacturer's Code:

75g tube 9310168413019
300g cartridge 9310168413118

Supplier: Selleys Pty Limited

ACN: 000 049 427

Street Address: 1 Gow Street
Padstow 2211
Australia

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2. COMPOSITION/INFORMATION ON INGREDIENTS

Recommended use: General purpose building sealant.

Appearance: Non-flowing translucent paste with a mild odour.

CHEMICAL ENTITY	CAS NO.	PROPORTION
Oxime silanes	-	LOW
Other ingredients determined to be non hazardous	-	to 100 %

PROPORTION (% weight per weight):
VHIGH >60, HIGH 30-60, MED 10-29, LOW 1-9, VLOW <1

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

3. HAZARDS IDENTIFICATION

Based on available information, not classified as hazardous according to criteria of Worksafe Australia.

Not classified as Dangerous Goods by the criteria of the Australian Dangerous Goods Code (ADG Code) for transport by Road and Rail.

Product name: POLY SILICONE ALL PURPOSE SEALANT - CLEAR

Substance Key: 000703531801

Issued: 16.03.2000

Version: 1.1

Page: 1 of 5

Material Safety Data Sheet

SELLEYS

PTY LIMITED
ACN 000 049 427

Poisons Schedule: N/A - Not Applicable

4. FIRST AID MEASURES

Ingestion: Rinse mouth with water. Give a glass of water to drink. If vomiting occurs give further water. Seek immediate medical assistance.

Eye contact: Irrigate with copious quantities of water for 15 minutes. In all cases of eye contamination it is a sensible precaution to seek medical advice.

Skin contact: Wipe excess material from skin with a dry cloth or a paper towel. Wash contaminated skin with plenty of soap and water. Remove contaminated clothing and wash before re-use. If irritation occurs seek medical advice.

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.

Notes to physician: Treat symptomatically.

5. FIRE-FIGHTING MEASURES

Specific hazards: Combustible paste.

Fire fighting further advice: Combustible but under normal conditions of use is not considered a risk. Decomposes on heating emitting toxic fumes including carbon dioxide, carbon monoxide and amorphous silica. Fire fighters to wear self-contained breathing apparatus if risk of exposure to vapour or products of combustion.

Suitable extinguishing media: Water fog (or if unavailable fine water spray), foam, dry agent (carbon dioxide, dry chemical powder).

6. ACCIDENTAL RELEASE MEASURES

Wipe up with paper or cloth. Collect and seal in properly labelled containers for disposal. Traces of uncured material may be removed with the aid of mineral turpentine (shut off all possible sources of ignition and increase ventilation). Cured material can only be removed by abrasion or cutting.

7. HANDLING AND STORAGE

Storage: Store in a cool, dry place, out of direct sunlight and in closed containers. Store away from sources of heat or ignition. Keep containers closed at all times - check regularly for leaks.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Product name: POLY SILICONE ALL PURPOSE SEALANT - CLEAR

Substance Key: 000703531801

Issued: 16.03.2000

Version: 1.1

Page: 2 of 5

Material Safety Data Sheet

SELLEYS

PTY LIMITED
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National occupational exposure limits

No value assigned for this specific material by the National Occupational Health and Safety Commission (Worksafe Australia).

Engineering measures: Use in well ventilated areas. Keep containers closed when not in use.

Personal protection equipment: Selleys Safe Handling Code: BLUE

Avoid skin and eye contact and inhalation of vapour. Wear overalls, safety glasses and impervious gloves. Use with adequate ventilation. If inhalation risk exists wear organic vapour respirator meeting the requirements of AS/NZ 1715 and AS/NZ 1716. Wash contaminated clothing and other protective equipment before storage or re-use. Always wash hands before smoking, eating, drinking or using the toilet.

If wearing contact lenses do not handle them until all sealant has been cleaned from the fingertips, nails and cuticles.

9. PHYSICAL AND CHEMICAL PROPERTIES

Form / Colour / Odour: Non-flowing translucent paste with a mild odour.

Solubility: Insoluble in water. Uncured sealant is soluble in organic solvents (e.g. mineral turpentine and toluene). No solvent known for cured sealant.

Specific Gravity (20 C)	: 1.03	Melting Point (C)	: N Av
Rel Vapour Density (air=1)	: N Av	Boiling Point (C)	: N App
Vapour Pressure (20 C)	: N Av	Decomp. Point (C)	: > 200
Flash Point (C)	: 63	Sublimation Point	: N App
Flammability Limits (%)	: N Av	pH	: N App
Autoignition Temp (C)	: 450	Viscosity	: N App
% Volatile by volume	: < 10	Evaporation Rate	: N Av
Solubility in water	: Insoluble (n-Butyl acetate=1)		

(Typical values only - consult specification sheet)

N Av = Not available N App = Not applicable

10. STABILITY AND REACTIVITY

Stability: 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 that may arise if the product is mishandled are:

Acute Effects

Ingestion: Swallowing may result in irritation to mouth, throat and stomach.

Product name: POLY SILICONE ALL PURPOSE SEALANT - CLEAR

Substance Key: 000703531801

Issued: 16.03.2000

Version: 1.1

Page: 3 of 5

Material Safety Data Sheet

SELLEYS

PTY LIMITED
ACN 000 049 427

Eye contact: May be an eye irritant.

Skin contact: Repeated or prolonged skin contact may lead to irritation.

Inhalation: Inhalation of mists may produce respiratory irritation. Methyl ethyl ketoxime vapour released during curing is irritating to the mucous membranes and respiratory tract. (1)

Long Term Effects:

No data available for the product, however evidence from animal tests indicate that repeated or prolonged exposure to methyl ethyl ketoxime could result in nasal tissue damage. Available data indicate that Methyl ethyl ketoxime is an animal carcinogen when administered at high doses to male rats and mice. Further tests are currently underway to investigate the relevance of these particular data to humans. (1)

Acute toxicity / Chronic toxicity

No LD50 data available for the product.

However, for methyl ethyl ketoxime, released during sealant cure (1):

Oral LD50 (rat): 2300 - 3700 mg/kg.

Dermal LD50 (rat): > 1000 mg/kg.

4hr Inhalation LC50: > 4.8 mg/l.

SKIN: Mild irritant. Weak skin sensitiser.

EYES: Corrosive to rabbit eyes.

Negative in IN VITRO and IN VIVO genotoxicity assays.

Four week inhalation studies in rat produced NOEL (for CNS effects) of 714 ppm and NOEL (for blood effects) of 283 ppm.

Animal studies have shown that this compound does not cause reproductive or developmental toxicity.

Lifetime inhalation studies in rats and mice have observed changes to liver and nasal tissue. The effect on the nasal tissue consisted of degeneration of the olfactory epithelium and was concentration dependent.

Recent lifetime inhalation studies have shown statistically significant increase in liver tumours in male rats and male mice at 375 ppm. No tumours were present at lower concentrations (15 and 75 ppm rats and 15 and 75 ppm mice) or in female rats or mice at any concentration tested.

Liver tumour incidence is relatively more common in rodents than humans.

At current estimated exposure levels we do not anticipate that methyl ethyl ketoxime represents a carcinogenic risk to humans, however further testing is currently underway to assess the relevance of the above data to humans.

12. ECOLOGICAL INFORMATION

Avoid contaminating waterways.

13. DISPOSAL CONSIDERATIONS

Refer to State/Territory Land Waste Management Authority. Normally suitable for disposal at approved land waste site.

14. TRANSPORT INFORMATION

Road and Rail Transport

Not classified as Dangerous Goods by the criteria of the Australian Dangerous Goods Code (ADG Code) for

Product name: POLY SILICONE ALL PURPOSE SEALANT - CLEAR

Substance Key: 000703531801

Issued: 16.03.2000

Version: 1.1

Page: 4 of 5

Material Safety Data Sheet

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transportby Road and Rail.

15. REGULATORY INFORMATION

Based on available information, not classified as hazardous according to criteria of Worksafe Australia.

Poisons Schedule (Aust)/Toxic Substance (NZ): N/A - Not Applicable

16. OTHER INFORMATION

Literary reference

(1) Material Safety Data Sheet - Methyl ethyl ketoxime; 00700341609;
Selleys Pty Limited; 02/98.

This Material Safety Data Sheet has been prepared by SHE Pacific Pty Ltd
on behalf of Orica Ltd and its subsidiary companies.

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Reason(s) For Issue: Revised primary MSDS; New toxicology data.

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

For further copies of this sheet or other product information contact
Selleys Pty Limited Customer Service.

Phone: 1300 555 205 (Australia wide)

Fax: 1300 555 305 (Australia wide)

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 Orica Limited and its subsidiaries 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.

Product name: POLY SILICONE ALL PURPOSE SEALANT - CLEAR

Substance Key: 000703531801

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Version: 1.1

Page: 5 of 4