

Material Safety Data Sheet

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Infosafe No™ 2RM2R Issue Date : September 2014 ISSUED by AUSTRALI

Product Name **Monarch Mini Roof & Gutter Silicone (Translucent)**

Not classified as hazardous

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

Product Name Monarch Mini Roof & Gutter Silicone (Translucent)
Product Code MM-2923
Product Use A silicone sealant designed for use on roof & gutters.
Company Name Australian Brushware Corporation Pty Ltd (ABN 81 068706829)
Address 143-147 National Blvd Campbellfield
Victoria 3062 Australia
Telephone Tel: 03 9358 0688
Number/Fax Fax: 03 9358 0600

2. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical	Solid				
Characterization					
Ingredients	<u>Name</u>	<u>CAS</u>	<u>Proportion</u>	<u>Hazard Symbol</u>	<u>Risk Phrase</u>
	Methyl tri(ethyl methylketoxime) silane	22984-54-9	1-10 %		
	Vinyltri (methyl;ethylketoxime) silane	2224-33-1	1-10 %		
	Methyl ethyl ketoxime	96-29-7	0-1 %	Xi	R36, R43

3. HAZARDS IDENTIFICATION

Chronic Effects Irritating to eyes.
May cause sensitization by skin contact.
Repeated or prolonged skin contact may cause defatting and drying of the skin which may result in skin irritation and dermatitis.
Repeated ingestion or swallowing large amounts may cause internal injury.
Prolonged or repeated exposure to vapours may cause internal injury.
During cure, small amounts of methylethylketoxime (MEKO) are released.
Long term or repeated exposure to high concentrations of oxime-silanes may cause narcotic type effects on the nervous system, harmful effects on the blood (anemia) and irritate nasal passages, however these effects are considered reversible.
Rodents exposed to chronic MEKO inhalation throughout their lifetime showed significant increases in liver tumour rates.

Inhalation During cure, small amounts of methylethylketoxime (MEKO) vapours are released. These vapours may cause irritation to respiratory system and dizziness.

Ingestion May cause discomfort.

Skin Contact with skin may cause moderate irritation. Repeated skin contact may cause allergic skin reaction.

Eye Direct contact may cause severe irritation.

4. FIRST AID MEASURES

Inhalation Remove to fresh air. If effects persist seek medical attention.

Ingestion If poisoning occurs, contact a doctor or Poisons Information Centre Australia ph 131126 or, New Zealand, ph 0800 764 766.

Skin Remove from skin and immediately flush effected area with water for 15 minutes. If irritation or ill effects persist, seek medical attention.

Eye Immediately flush eye with water for 15 minutes. Seek medical attention.

Advice to Doctor Causes skin and serious eye irritation. May cause an allergic skin reaction. Treat symptomatically.

5. FIRE FIGHTING MEASURES

Fire fighting personnel to use self contained breathing apparatus and protective clothing. Determine the need to evacuate or isolate the area according to local emergency plan. Use water spray to keep fire exposed containers cool.

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Extinguishing Media On large fires use dry chemical or foam. On small fires use carbon dioxide or dry chemical. Water can be used to cool fire exposed containers. Do not allow water to contact container contents.

Specific Hazards None

6. ACCIDENTAL RELEASE MEASURES

Personal Precautions Avoid skin and eye contact. Do not breathe vapour. Do not take internally.

Environmental Precautions Do not allow large quantities to enter drains and water-ways.

Methods and Materials for Containment and Clean Up Procedures Observe all personal protective equipment recommendations in this MSDS. Wipe up or scrape up and contain for salvage or disposal. Clean area as appropriate since spilled material, even in small quantities, may present a slip hazard. Final cleaning may require use of steam, solvents or detergents. Dispose of saturated absorbent or cleaning materials appropriately as spontaneous heating may occur. Dispose in accordance with local regulations.

7. HANDLING AND STORAGE

Handling Use with adequate ventilation. Do not breathe vapour. Product evolves methyl ethyl ketoxime (MEKO) when exposed to water or humid air. Provide ventilation during use to control vapours within exposure guidelines or use respiratory protection.

Avoid skin and eye contact. Remove contaminated clothing and wash before reuse. Observe good hygiene practices and wash after handling especially before eating, drinking or smoking.

Storage Store away from water or moisture and away from oxidising materials. Keep container closed when not in use.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

National Exposure Standards Exposure Standard means the average concentration of a particular substance in the worker's breathing zone, exposure to which, according to current knowledge, should not cause adverse health effects nor cause undue discomfort to nearly all workers. It can be of three forms; time-weighted average (TWA), peak limitation, or short term exposure limit (STEL). TLV is the time weighted average concentration of the work atmosphere over a normal 8-hour work day and a 40-hour work week. Nearly all workers may be repeatedly exposed to this level, day after day, without adverse effect. These TLVs are issued as guidelines for good practice. All atmospheric contamination should be kept to as low a level as is practically possible. These TLVs should not be used as fine lines between safe and dangerous concentrations.

While there is no exposure standard for this product as such the following standards are available for the chemicals released when this product contacts water or humid air.

Methyl ethyl ketoxime (MEKO) CAS 96-29-7

Supplier guide TWA(TLV): 3ppm, STEL: 10ppm

Ethyl alcohol

TWA (TLV) : 1000ppm (OSHA), STEL: 1000ppm (ACGIH)

Personal Protective Equipment Avoid contact with skin and eyes and avoid breathing vapours.

Wear suitable gloves and eye protection.

If local ventilation inadequate to keep vapour levels below recommended exposure standards or working in a confined space then organic vapour respiratory protection may be needed.

Eng. Controls Use in a well ventilated area only.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance Translucent white paste with some odour.

Boiling Point Not established.

Solubility in Water Not determined.

Specific Gravity (H₂O=1) 0.985 g/cm³

Vapour Pressure Not established.

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10. STABILITY AND REACTIVITY

Stable.

Hazardous Will not occur.**Polymerization****Materials to Avoid**

Can react with strong oxidising agents. Contact with water, moisture or humid air can casue hazardous vapours to form.

Hazardous**Decomposition****Products**

Oxides of carbon and nitrogen and traces of incompletely burned carbon compounds, silicon dioxide, formaldehyde.

11. TOXICOLOGICAL INFORMATION

Inhalation

During cure, small amounts of methylethylketoxime (MEKO) vapours are released. These vapours may cause irritation to respiratory system and dizziness.

Ingestion

May cause discomfort.

Skin

Contact with skin may cause moderate irritation. Repeated skin contact may cause allergic skin reaction.

Eye

Direct contact may cause severe irritation.

Chronic Effects

Repeated or prolonged skin contact may cause defatting and drying of the skin which may result in skin irritation and dermatitis.

Repeated ingestion or swallowing large amounts may cause internal injury.

Prolonged or repeated exposure to vapours may cause internal injury.

During cure, small amounts of methylethylketoxime (MEKO) are released.

Long term or repeated exposure to high concentrations of oxime-silanes may cause narcotic type effects on the nervous system, harmful effects on the blood (anemia) and irritate nasal passages, however these effects are considered reversible.

Rodents exposed to chronic MEKO inhalation throughout their lifetime showed significant increases in liver tumour rates.

12. ECOLOGICAL INFORMATION

Information on Ecological EffectsAcute: Harmful to aquatic life. However due to physical form and water insolubility of the product the bioavailability is negligible.
Chronic: Harmful to aquatic life with long lasting effects. However due to physical form and water insolubility of the product the bioavailability is negligible.**Mobility**

This product is a solid and does not contain sufficient concentrations of water soluble constituents that may be leached from the product. It is therefore not likely to present a danger to terrestrial organisms.

Persistence / Degradability

Water; solid material, insoluble in water.

Bioaccumulation

No bioaccumulation potential. This product is a solid which is not soluble in water and if ingested will not be absorbed.

13. DISPOSAL CONSIDERATIONS

Dispose of in accordance with local regulations.

14. TRANSPORT INFORMATION

Not classified as a Dangerous Good for transport.

15. REGULATORY INFORMATION

Risk Phrase

R36 Irritating to eyes.

R43 May cause sensitization by skin contact.

Safety Phrase

S23(4) Do not breathe vapour.

S24/25 Avoid contact with skin and eyes.

Poisons Schedule

Not Scheduled

Hazard Category

Irritant

AICS (Australia)

All ingredients are listed or exempt.

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16. OTHER INFORMATION

Manufacturers Refer to the Technical Data sheet for specific user information.

Advice

Poisons Schedule Not Scheduled

Hazard Category Irritant

...End Of MSDS...

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