

Material Safety Data Sheet

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Infosafe No. 2RHPK Issue Date: July 2003 ISSUED by RHODIA

Product Name: **RHODORSIL V-60**

Classified as hazardous according to criteria of NOHSC

Physical Data

Flamm. Limit LEL Non-flammable

Other Properties

Volatile Component Less than 10%

Form Solid

Decomposition Temp. >200°C

Formula Compounded silicone sealant.

Ingredients

Ingredients See Below

Information on >> PREPARATION:

Composition Chemical nature: A proprietary mixture containing polydimethylsiloxanes, amorphous silica, organosilanes and organotin compounds.

Components contributing to the hazard: 2-Butanone oxime (CAS:96-29-7): 1~1.5%-EEC Classification: Xn - R21-40-41-43

Components presenting hazard: Alkyltris(OXIMINO)SILANE(S) (CAS: 2224-33-1 & 22984-54-9): <5%-EEC classification: Xi; R36

.3-Aminopropyltriethoxysilane (CAS:919-30-2): <2% -EEC classification: C;22-34

>>Further information: Additional quantities of 2-Butanone-oxime will be released when the product reacts with moisture.

HEALTH HAZARD INFORMATION

Health Effects

Acute - Swallowed May cause irritation to mouth, throat and stomach.

Acute - Eye A moderate eye irritant.

Acute - Skin Repeated or prolonged skin contact may lead to irritation.

Acute - Inhaled High concentrations of vapour may cause irritation of the respiratory tract.

Chronic Chronic exposure to vapours may cause inflammation of the nose, mouth, throat and bronchi. (No vapour is emitted after full cure).

First Aid

Swallowed Give water or milk to drink. DO NOT induce vomiting. Seek immediate medical assistance.

Eye Irrigate with copious quantity of water for 15 minutes. Seek medical assistance if symptoms persist.

Skin Wash with plenty of soap and water.

COMPANY DETAILS

Company Name Rhodia Australia Pty Ltd (ABN 24050029000)

Address 352 Ferntree Gully Road, NOTTINGHILL
VIC 3168

Emergency Tel. 1800 033 111

Tel/Fax Tel: (03) 9541 1000 Fax: (03) 9548 8686

IDENTIFICATION

Product Code V-60

Product Name RHODORSIL V-60

UN Number None Allocated

DG Class None Allocated

Packing Group None Allocated

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Hazchem Code	None Allocated
Poisons Schedule	Not Scheduled
Product Use	For general glazing and as an adhesive/sealant on laminated and coated glasses, anodized aluminium, powder coated metals, ceramics, vitreous enamel, stainless steel, fibreglass. For other substrates and more details, contact Rhodia Australia Pty Ltd.

Physical Data

Appearance	Available in the following colors: Translucent, White, Grey, Black and Silver. Other colors can be matched to customers requirements.
Specific Gravity	1.0 (Water = 1)

First Aid

Inhaled	Remove to fresh air.
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Advice to Doctor

Advice to Doctor	All treatments should be based on observed signs and symptoms of distress of the patient. Consideration should be given to the possibility that overexposure to materials other than this product may have occurred. Treat symptomatically. No specific antidote available. Consult Poisons Information Centre.
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Other Health Hazard Information

Sensitization of Product	May cause sensitisation by skin contact.
Carcinogenicity	Liver tumour were only observed in male rats and mice exposed to high concentrations of 2-butanone oxime (MEKO). Further studies are currently being carried out in order to determine the relevance of this data to humans. As far as we know, under normal conditions of use, this preparation should not present an exposure hazard to man.

PRECAUTIONS FOR USE

Exposure Limits	See Below
Other Exposure Info.	No exposure limit is assigned to the mixture. However, methylethylketoxime (MEKO) (2-butanone oxime) is released during cure. See 'Toxicology' section.
Eng. Controls	Avoid breathing in vapours. Use with adequate ventilation.

Personal Protection

Respirator Type (AS 1716)	In the event of insufficient ventilation: Respiratory protective device with a gas filter.
Eye Protection	Safety spectacles.
Glove Type	Protective gloves made of rubber.
Protective Equip.	Avoid skin and eye contact. Wear eye protection to prevent any reasonable probability of eye contact.
Work/Hygienic Practices	Personal hygiene is an important work practice exposure control measure and the following general measures should be undertaken when working with or handling this material: (1) Do not store, use, and/or consume foods, beverages, tobacco products, or cosmetics in areas where this material is stored. (2) Wash hands and face carefully before eating, drinking, using tobacco, applying cosmetics, or using the toilet. (3) Wash exposed skin promptly to remove accidental splashes of contact with this material.
Technical Protective Measures	Work outside or in a well-ventilated room. Comply with instructions for use (Refer to Technical Data Sheet).

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ISSUED by RHODIA

Product Name: **RHODORSIL V-60**

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Flammability

Fire Hazards Non flammable. Combustible. Will burn if involved in a fire but not considered to be a significant fire risk. The main combustion products are silica, carbon dioxide and carbon monoxide.

Other Precautions Safe working practice and good hygiene should be observed.

SAFE HANDLING INFORMATION

Storage and Transport

Storage Precautions Keep product dry to prevent lumping or possible deterioration.

Transport Land: Rail/road (RID/ADR/ADG): NOT restricted.
Sea (IMO/IMDG): NOT restricted.
Air (ICAO-IATA): NOT restricted.

Other Storage Info. The foregoing data applies to the uncured sealant. The hazards associated with this product are due mainly to the reactive silane crosslinkers, and the vapours given off when the sealant reacts with moisture in the air. When curing is complete, the resulting product is an inert, non-toxic, silicone elastomer.

Spills and Disposal

Spills & Disposal Normally suitable for local incineration. Consult local regulations. Non-biodegradable.

Fire/Explosion Hazard

Fire/Explos. Hazard Non-flammable paste.

Hazardous Combustion Products On combustion forms carbon oxides (CO+CO₂), nitrogen oxides, silica.

Hazardous Decomposition or Byproducts On contact with humidity, during vulcanisation (cure), releases: 2-butanone oxime (MEKO) - Quantity potentially release: 3.7% of the weight of the product. Worksafe Classification: Xi, R36-43.

Fire Fighting Precautions Self-contained breathing apparatus.

Extinguishing Media Fire can be extinguished by carbon dioxide (CO₂), foam, powders or water spray.

Hazardous Reaction The product is considered stable under normal handling conditions.

Hazchem Code None Allocated

OTHER INFORMATION

Toxicology Methylethylketoxime (MEKO) (2-butanone oxime) released during cure presents a notable risk of toxicity, when in contact with the skin and when large amounts of the product is used in an enclosed area, e.g. a small unventilated bathroom. Limited animal (rat) data showed that at high vapour concentration of methylethylketoxime narcotic effects are observed.

Acute toxicity: 2-butanone oxime:
Ingestion : LD50 (rat) = 2300-3700 mg/kg.
Dermal LD50 (rat) = >1000 mg/kg.
Inhalation LC50 (rat)/4h: >4.8 mg/l (4 hour).
(Published data).

Amorphous silica and other fine powder ingredients are bound in the paste mixture and do not present any risk of toxicity under normal conditions of use and handling.

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Information on Ecological Effects	MOBILITY: Precipitation: Slightly soluble product, readily forms deposits. Expected behaviour of the product: Ultimate destination of the product: SOIL and SEDIMENT. ECOTOXICITY: Effects on the aquatic environment: 2-butanone oxime: LC50 (Fish: Pimphales promelas)/96h: 844 mg/l. (Published data).
Biological Properties	Not biodegradable. Not bioaccumulable.
Environ. Protection	Non-biodegradable. No negative ecological effects are known.
Risk Statement	R40 Possible risk of irreversible effects. R43 May cause sensitization by skin contact.
Safety Statement	S23 Do not breathe gas/fumes/vapour/spray S24 Avoid contact with skin.
Pkg. & Labelling	Keep in original airtight container to prevent degradation.
Regulatory Information	All ingredients are listed in the Australian Inventory of Chemical Substances.
Hazard Category	Harmful, Irritant
Technical Data	A Technical Data Sheet for this product is available upon request.
References	1. Australian Health Minister's Advisory Council, 'Standard for the uniform scheduling of drugs and poisons,' No 11., AGPS, Canberra, 1996. 2. National Occupational Health and Safety Commission, 'National Code of Practice for the Preparation of Material Safety Data Sheets' [NOHSC:2011(1994)], AGPS, Canberra, 1994. 3. National Occupational Health and Safety Commission, 'List of Designated Hazardous Substances' [NOHSC:10005(1994)], AGPS, Canberra, 1994. 4. National Occupational Health and Safety Commission, 'Exposure Standards for Atmospheric Contaminants in the Occupational Environment' [NOHSC:1003(1995)], AGPS, Canberra, 1995. 5. National Occupational Health and Safety Commission, 'Approved Criteria for Classifying Hazardous Substances' [NOHSC:1008(1994)], AGPS, Canberra, 1994. 6. Commonwealth of Australia, 'Australian Code for the Transport of Dangerous Goods by Road and Rail,' 6th Ed., AGPS, Canberra, 1998. 7. Rhodia internal data.
Empirical Formula & Structural Formula	Compounded silicone sealant.

CONTACT POINT

Contact	Plant Chemist Rhodia Australia Pty Ltd. Telephone (03) 9541 1000 EMERGENCY TELEPHONE: 1800 033 111 (ALL HOURS) ADVICE TO THE USER: This Material Safety Data Sheet should be used in conjunction with the Technical Data Sheets. It does not replace them. The information given is based on our knowledge of the health and safety data of this product, at the time of publication. It is given in good faith. The attention of the user is drawn to the possible risks incurred by using the product for any purpose other than that for which it was intended. If clarification or further information is needed to enable appropriate risk assessment, the user should contact Rhodia Australia. Our responsibility for products sold is subject to our standard terms and conditions sent to customers. No liability whatsoever can be accepted with regard to the handling, processing or use of the product concerned which, in all cases, shall be in accordance with the appropriate regulations and/or legislation. ...End Of MSDS...
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