

Material Safety Data Sheet

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Infosafe No. LPUB3 Issue Date : March 2005 ISSUED by BARNES

Product Name : **ULTRASIL® PART A**

Not classified as hazardous according to criteria of NOHSC

1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND COMPANY

Product Name ULTRASIL® PART A
Product Use Moulding rubber.
Company Name Barnes Products Pty Ltd (ABN 004 011 456)
Address 6 Homedale Road Bankstown
NSW 2200
Emergency Tel. (02) 9793 7555
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Number/Fax
Other Information Information provided has been prepared in good faith and believed to be correct. Barnes Products Pty Limited make no warranty either express or implied as to completeness, accuracy thereof, misuse or misinterpretation of this information.

2. COMPOSITION/INFORMATION ON INGREDIENTS

Information on Composition This product also contains polydimethylsiloxanes and non-hazardous additives.

Ingredients	Name	CAS	Proportion
	Silicon Dioxide	112926-00-8	10-30 %
	Quartz	14808-60-7	1-10 %
	Other ingredients determined not be hazardous		Balance

3. HAZARDS IDENTIFICATION

Not classified as hazardous according to the criteria of NOHSC.
Not classified as a dangerous good according to the ADG Code.

Risk phrases:
None applicable.

Safety phrases:
None applicable.

4. FIRST AID MEASURES

Inhalation Remove the source of contamination or move the victim to fresh air. Ensure airways are clear and have qualified person give oxygen through a face mask if breathing is difficult. If symptoms develop seek medical attention.

Ingestion Do NOT induce vomiting. Wash out mouth with water. Seek medical attention.

Skin Remove contaminated clothing and wash skin thoroughly with soap and water. Ensure contaminated clothing is washed before re-use or discard. If irritation develops, seek medical attention.

Eye If contact with the eye(s) occurs, wash with copious amounts of water holding eyelid(s) open. Take care not to rinse contaminated water into the non-affected eye. If symptoms persist seek medical attention.

First Aid Facilities Eye wash and normal washroom facilities.

Advice to Doctor Treat symptomatically.

5. FIRE FIGHTING MEASURES

Extinguishing Media Do not use water in a jet. Keep containers cool with water spray. Use foam, carbon dioxide or dry chemical to extinguish fire.

Specific Hazards Combustible substance. This product will burn if exposed to fire.

Hazardous Combustion Products Under fire conditions this product may emit toxic and/or irritating fumes including carbon monoxide, carbon dioxide, crystalline silica and formaldehyde.

Precautions in connection with Fire Fire-fighters should wear full protective clothing and self contained breathing apparatus (SCBA) operated in positive pressure mode.

6. ACCIDENTAL RELEASE MEASURES

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Wear appropriate personal protective equipment and clothing to minimise exposure. Extinguish or remove all sources of ignition and stop leak if safe to do so. Increase ventilation. Evacuate all unnecessary personnel. If possible contain the spill. Place inert absorbent material onto spillage. Use clean non-sparking tools to collect the material and place into a suitable labelled container. Do not dilute material but contain. Dispose of waste according to federal, Environmental Protection Authority and state regulations. If large quantities of this material enter the waterways contact the Environmental Protection Authority, or your local Waste Management Authority.

7. HANDLING AND STORAGE

Handling Use in a well ventilated area. DO NOT store or use in confined spaces. Build up of mists or vapours in the atmosphere must be prevented. Avoid breathing in spray or mists or vapours. Do not use near welding or other ignition sources and avoid sparks. Do not smoke. When dealing with large quantities, repeated or prolonged skin exposure without protection should be prevented in order to lessen the possibility of skin disorders. It is essential that all who come into contact with this material maintain high standards of personal hygiene ie. washing hands prior to eating, drinking, smoking or using toilet facilities.

Storage Store in a cool, dry well-ventilated area away from heat, sources of ignition, oxidising agents, foodstuffs, and clothing and out of direct sunlight. Store below 32°C. Keep containers closed when not in use and securely sealed and protected against physical damage. Inspect regularly for deficiencies such as damage or leaks. Do NOT pressurise, cut, heat or weld containers as they may contain hazardous residues. Do not allow to freeze.

8. EXPOSURE CONTROLS, PERSONAL PROTECTION

Exposure Limits No value assigned for this specific material by the Australian National Occupational Health and Safety Commission (NOHSC).

Respiratory Protection If engineering controls are not effective in controlling airborne exposure then respiratory protective equipment should be used suitable for protecting against airborne contaminants. Final choice of appropriate breathing protection is dependant upon actual airborne concentrations and the type of breathing protection required will vary according to individual circumstances. Expert advice may be required to make this decision. Reference should be made to Australian Standards AS/NZS 1715, Selection, Use and maintenance of Respiratory Protective Devices; and AS/NZS 1716, Respiratory Protective Devices.

Eye Protection Safety glasses with side shields, goggles or full-face shield as appropriate recommended. Final choice of appropriate eye/face protection will vary according to individual circumstances i.e. methods of handling or engineering controls and according to risk assessments undertaken. Eye protection should conform with Australian/New Zealand Standard AS/NZS 1337 - Eye Protectors for Industrial Applications.

Hand Protection Wear gloves of impervious material. Final choice of appropriate gloves will vary according to individual circumstances i.e. methods of handling or according to risk assessments undertaken. Reference should be made to AS/NZS 2161.1: Occupational protective gloves - Selection, use and maintenance.

Body Protection Wear appropriate clothing including chemical resistant apron where clothing is likely to be contaminated. It is advisable that a local supplier of personal protective clothing is consulted regarding the choice of material.

Eng. Controls Provide sufficient ventilation to keep airborne levels below the exposure limit. Where vapours are generated, particularly in enclosed areas, and natural ventilation is inadequate, a local exhaust ventilation system is required.

Other Information No biological limit allocated.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance Off-white, paste-like solid

Odour Slight odour

Melting Point Not available

Boiling Point Not available

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Solubility in Water	Insoluble
Specific Gravity (H₂O=1)	1.6 @ 25°C
pH Value	Not applicable
Vapour Pressure	Not available
Vapour Density (Air=1)	Not available
Flash Point	> 148°C (Pensky-Martens Closed Cup)
Flammability	Combustible substance. This product will burn if exposed to fire.
Ignition Temperature	Not available
Flammable Limits LEL	Not available
Flammable Limits UEL	Not available

10. STABILITY AND REACTIVITY

Stability	Stable under normal conditions of storage and handling.
Hazardous Polymerization	Will not occur.
Materials to Avoid	Strong oxidising agents, strong acids and strong bases.
Hazardous Decomposition Products	Thermal decomposition may result in the release of toxic and/or irritating fumes including carbon monoxide, carbon dioxide, dimethylcyclosiloxanes, methylphenylcyclosiloxanes and formaldehyde.
Hazardous Reaction Conditions to Avoid	May react with strong oxidising agents, strong acids and strong bases. Heat, direct sunlight, open flames or other sources of ignition. Avoid temperatures above 32°C. Do not allow product to freeze.

11. TOXICOLOGICAL INFORMATION

Toxicology Information	No toxicity data is available for this specific product.
Inhalation	Inhalation of product vapours may cause irritation of the nose, throat and respiratory system.
Ingestion	Ingestion of this product may irritate the gastric tract causing nausea and vomiting.
Skin	May cause redness, itching and irritation.
Eye	May cause eye irritation, tearing, stinging, blurred vision, and redness.
Chronic Effects	Unknown.
Other Information	<p>This product contains quartz (crystalline silica). No exposure to free respirable silica is anticipated during normal use of this product. It should be noted, however, that free respirable silica has been listed as a suspected human carcinogen by the IARC. Inhalation of free respirable silica may cause silicosis or other serious delayed lung injury. Grinding or machining of this product may release silica. Use approved dust respirator when grinding or machining this product.</p> <p>This product contains methylpolysiloxanes which can generate formaldehyde when heated above 150°C in the presence of air. Formaldehyde is a known animal carcinogen and is listed as a probable human carcinogen by the IARC. Formaldehyde is irritating to the eyes, nose, throat and skin and is a dermal sensitiser.</p>

12. ECOLOGICAL INFORMATION

Environ. Protection	Do not allow product to enter drains, waterways or sewers.
Mobility	No data is available for this material.
Persistence / Degradability	No data is available for this material.
Ecotoxicity	No data is available for this material.

13. DISPOSAL CONSIDERATIONS

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Dispose of waste according to federal, EPA and state regulations. Labels should not be removed from containers until they have been cleaned. Do not cut, puncture or weld on or near containers. Empty containers may contain hazardous residues. Contaminated containers must not be treated as household waste. Containers should be cleaned by appropriate methods and then re-used or disposed of by landfill or incineration as appropriate. Do not incinerate closed containers. Advise combustible nature.

14. TRANSPORT INFORMATION

Not classified as a Dangerous Good, according to the Australian Code for the Transport of Dangerous Goods by Road and Rail.

U.N. Number None Allocated

Proper Shipping Name None Allocated

DG Class None Allocated

Hazchem Code None Allocated

Packing Group None Allocated

15. REGULATORY INFORMATION

Poisons Schedule Not Scheduled

16. OTHER INFORMATION

Contact Person/Point

SDS History MSDS Creation: March 2005

...End Of MSDS...