

Material Safety Data Sheet

Infosafe No™ LPUB7 Issue Date : November 2012 ISSUED by BARNES

Product Name : **ULTRASIL® PART A**

1. IDENTIFICATION OF THE MATERIAL AND SUPPLIER

Product Name ULTRASIL® PART A
Company Name Barnes Products Pty Ltd (ABN 004 011 456)
Address 6 Homedale Road Bankstown
NSW 2200
Emergency Tel. (02) 9793 7555
Telephone/Fax Number Tel: (02) 9793 7555
Fax: (02) 9793 7091
Recommended Use Silicone moulding compound.
Other Names Name Product Code
SOFT TRANSLUCENT PART A
SOFT TRANS PART A
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. HAZARDS IDENTIFICATION

Hazard Classification NON-HAZARDOUS SUBSTANCE.
NON-DANGEROUS GOODS.
Hazard classification according to the criteria of NOHSC.
Dangerous goods classification according to the Australia Dangerous Goods Code.

3. COMPOSITION/INFORMATION ON INGREDIENTS

Ingredients	Name	CAS	Proportion
	Vinylpolydimethylsiloxane	68083-19-2	30-60 %
	Fumed silica	112945-52-5	30-60 %
	Polydimethyl siloxane	63148-62-9	10-<30 %
	Quartz (crystalline silica)	14808-60-7	<10 %

4. FIRST AID MEASURES

Inhalation If inhaled, remove affected person from contaminated area. Keep at rest until recovered. If symptoms persist seek medical attention.
Ingestion Do not induce vomiting. Wash out mouth thoroughly with water. Seek immediate medical attention.
Skin Wash affected area thoroughly with soap and water. If symptoms develop seek medical attention.
Eye If in eyes, hold eyelids apart and flush the eyes continuously with running water. Continue flushing for several minutes until all contaminants are washed out completely. If symptoms develop and persist seek medical attention.
First Aid Facilities Eyewash and normal washroom facilities
Advice to Doctor Treat symptomatically.
Other Information For advice in an emergency, contact a Poisons Information Centre (Phone Australia 13 1126; New Zealand 0800 POISON / 0800 764 766) or a doctor at once.

5. FIRE FIGHTING MEASURES

Suitable Extinguishing Media Use carbon dioxide, dry chemical or foam.
Hazards from Combustion Products Under fire conditions this product may emit toxic and/or irritating fumes including carbon monoxide, carbon dioxide and silica.
Specific Hazards Combustible solid. This product will readily burn under fire conditions.

Material Safety Data Sheet

Infosafe No™ LPUB7

Issue Date : November 2012

ISSUED by BARNES

Product Name : **ULTRASIL® PART A**

Precautions in connection with Fire Fire fighters should wear Self-Contained Breathing Apparatus (SCBA) operated in positive pressure mode and full protective clothing to prevent exposure to vapours or fumes. Water spray may be used to cool down heat-exposed containers.

6. ACCIDENTAL RELEASE MEASURES

Emergency Procedures Wear appropriate personal protective equipment and clothing to prevent exposure. Extinguish or remove all sources of ignition and stop leak if safe to do so. Increase ventilation. Evacuate all unprotected personnel. If possible contain the spill. Place inert absorbent, non-combustible material onto spillage. Use clean non-sparking tools to collect the material and place into suitable labelled containers for subsequent recycling or disposal. Dispose of waste according to the applicable local and national regulations. If contamination of sewers or waterways occurs inform the local water and waste management authorities in accordance with local regulations.

7. HANDLING AND STORAGE

Precautions for Safe Handling Use only in a well ventilated area. Keep containers sealed when not in use. Prevent the build up of mists or vapours in the work atmosphere. Avoid inhalation of vapours and mists, and skin or eye contact. Do not use near ignition sources. Do not pressurise, cut, heat or weld containers as they may contain hazardous residues. Maintain high standards of personal hygiene i.e. Washing hands prior to eating, drinking, smoking or using toilet facilities.

Conditions for Safe Storage Store in a cool, dry, well-ventilated area, out of direct sunlight and moisture. Store in labelled, corrosion-resistant containers. Keep containers tightly closed. Store away from bases, water and other incompatible materials. Have appropriate fire extinguishers available in and near the storage area.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

National Exposure Standards No exposure value assigned for this material by Safe Work, Australia. However, the available exposure limits for ingredients are listed below:

Safe Work, Australia Exposure Standards:

Substance	TWA		STEL		NOTICES
	ppm	mg/m ³	ppm	mg/m ³	
Amorphous silica	-	10	-	-	-
Quartz	-	0.1	-	-	-

TWA (Time Weighted Average): The average airborne concentration of a particular substance when calculated over a normal eight-hour working day, for a five-day week.

STEL (Short Term Exposure Limit): The average airborne concentration over a 15 minute period which should not be exceeded at any time during a normal eight-hour workday.

Biological Limit Values No biological limits allocated.

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

Respiratory Protection If engineering controls are not effective in controlling airborne exposure then an approved respirator with a replaceable mist/particulate filter should be used. Reference should be made to Australian/New Zealand Standards AS/NZS 1715, Selection, Use and Maintenance of Respiratory Protective Devices; and AS/NZS 1716, Respiratory Protective Devices, in order to make any necessary changes for individual circumstances

Eye Protection Safety glasses with side shields or chemical goggles should be worn. Final choice of appropriate eye/face protection will vary according to individual circumstances. Eye protection devices 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.

Material Safety Data Sheet

infosafe
CS: 1.6.25

Page: 3 of 4

Infosafe No™ LPUB7

Issue Date : November 2012

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Body Protection Suitable protective workwear, e.g. cotton overalls buttoned at neck and wrist is recommended. Chemical resistant apron is recommended where large quantities are handled.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance Translucent, white
Odour None
Melting Point Not available
Boiling Point Not available
Solubility in Water Not available
Specific Gravity Not available
pH Value Not applicable
Vapour Pressure Not available
Vapour Density (Air=1) Not available
Evaporation Rate Not available
Viscosity 20,000 - 35,000 cps
Flash Point > 480°C
Flammability Combustible material
Auto-Ignition Temperature Not available
Flammable Limits - Lower Not available
Flammable Limits - Upper Not available

10. STABILITY AND REACTIVITY

Chemical Stability Stable under normal conditions of storage and handling.
Conditions to Avoid Heat and other sources of ignition.
Incompatible Materials Strong oxidising agents, strong acids and strong bases.
Hazardous Decomposition Products Under fire conditions this product may emit toxic and/or irritating fumes including carbon monoxide, carbon dioxide and silica.
Hazardous Polymerization Will not occur.

11. TOXICOLOGICAL INFORMATION

Toxicology Information No toxicity data are 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 be irritating to skin. The symptoms may include redness, itching and swelling.
Eye May cause eye irritation, tearing, stinging, blurred vision, and redness.
Chronic Effects 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. Product contains crystalline silica. Crystalline Silica (respirable size $\leq 7 \mu\text{m}$) has been classified by the International Agency for Research on Cancer

Material Safety Data Sheet

infosafe
CS: 1.6.25

Page: 4 of 4

Infosafe No™ LPUB7 Issue Date : November 2012 ISSUED by BARNES

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(IARC) as Carcinogenic to Humans (Group 1).

12. ECOLOGICAL INFORMATION

Ecotoxicity No ecological data are available for this material.
Persistence / Degradability Not available
Mobility Not available
Environ. Protection Do not discharge this material into waterways, drains and sewers.

13. DISPOSAL CONSIDERATIONS

Disposal Considerations The disposal of the spilled or waste material must be done in accordance with applicable local and national regulations.

14. TRANSPORT INFORMATION

Transport Information Not classified as Dangerous Goods according to the Australian Code for the Transport of Dangerous Goods by Road and Rail (7th edition).
IMDG Marine Pollutant (MP) No

15. REGULATORY INFORMATION

Regulatory Information Not classified as Hazardous according to criteria of National Occupational Health & Safety Commission (NOHSC), Australia.
Not classified as a Scheduled Poison according to the Standard for the Uniform Scheduling of Medicines and Poisons (SUSMP).
Poisons Schedule Not Scheduled
AICS (Australia) All components of this product are listed on the Australian Inventory of Chemical Substances (AICS) or exempted.

16. OTHER INFORMATION

Date of preparation or last revision of MSDS MSDS Reviewed: November 2012
Supersedes: April 2010
Contact Person/Point

...End Of MSDS...

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