

# Material Safety Data Sheet

Page: 1 of 3

Infosafe No. LPVQW Issue Date : August 2006 ISSUED by DARLEY

Product Name : 'DARLEY 26' GROUP

## 1. IDENTIFICATION OF THE MATERIAL AND SUPPLIER

**Product Name** 'DARLEY 26' GROUP  
**Company Name** Darley Refractories Australia Pty Ltd (ABN 85 104 582 023)  
**Address** P.O. Box 291 Bacchus Marsh  
Victoria 3340 Australia  
**Telephone/Fax Number** Tel:  
(03) 5367 2300  
Fax:  
(03)5367 2991  
**Recommended Use** Industrial furnace plant.

## 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

<b>Ingredients</b>	<b>Name</b>	<b>CAS</b>	<b>Proportion</b>
	Silica	14808-60-7	0-<5 %
	Ingredients determined not to be hazardous		Balance to 100%

## 4. FIRST AID MEASURES

**Inhalation** Remove the source of contamination or move the victim to fresh air. If irritation develops or persists seek medical attention.  
**Ingestion** Wash out mouth with water. If irritation develops and persists seek medical attention.  
**Skin** Wash gently and thoroughly with soap and water. If irritation develops and persists seek medical attention.  
**Eye** If contact with the eye(s) occur, wash with large amount of water, holding eyelid(s) open. Take care not to rinse contaminated water into the non-affected eye. If symptoms develop seek medical attention.  
**First Aid Facilities** Normal wash room facilities.  
**Advice to Doctor** Treat symptomatically.

## 5. FIRE FIGHTING MEASURES

**Suitable Extinguishing Media** Use extinguishing media suitable for surrounding environment  
**Hazards from Combustion Products** Under fire conditions this product may emit toxic and/or irritating fumes including calcium oxide and carbon dioxide.  
**Hazchem Code** None Allocated  
**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

**Emergency Procedures** Increase ventilation. Wear sufficient respiratory protection and protective clothing. Sweep up material avoiding dust generation, or alternatively dampen spilled material with water to avoid airborne dust, then transfer material to a suitable container. Use absorbent paper dampened with water to pick up remaining material. If large quantities of this material enter the waterways contact the Environmental Protection Authority, or your local Waste Management Authority.

## 7. HANDLING AND STORAGE

**Precautions for Safe Handling** 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 going to the toilet. Ensure adequate ventilation in work

# Material Safety Data Sheet

Infosafe No.	LPVQW	Issue Date : August 2006	ISSUED by DARLEY
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**Conditions for Safe Storage** areas and extraction of dust likely to be given off during process operations. 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.

## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

**National Exposure Standards** Australian National Occupational Health And Safety Commission (NOHSC) Exposure Standards:

Substance	TWA		STEL	
	ppm	mg/m <sup>3</sup>	ppm	mg/m <sup>3</sup>
Silica (Quartz)	-	0.1	-	-
Nuisance dust	-	10	-	-

**Biological Limit Values** No biological limit allocated.

**Engineering Controls** Use with good general ventilation. If dusts are produced local exhaust ventilation should be used.

**Respiratory Protection** Where sufficient ventilation is not available, avoid breathing dusts by wearing an AS 1716 approved particulate filter respirator; however 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/New Zealand Standards AS/NZS 1715, Selection, Use and maintenance of Respiratory Protective Devices; and AS/NZS 1716, Respiratory Protective Devices.

**Eye Protection** The use of chemical goggles or safety glasses with side shield protection is recommended. Final choice of appropriate eye/face protection will vary according to individual circumstances including methods of handling or engineering controls as determined by appropriate risk assessments. Eye protection should conform with Australian/New Zealand Standard AS/NZS 1337-Eye Protectors for Industrial Applications.

**Hand Protection** The use of impervious gloves recommended. Final choice of appropriate glove type will vary according to individual circumstances, including methods of handling or engineering controls as determined by appropriate risk assessments. Refer to AS/NZS 2161 Occupational protective gloves- Selection, use and maintenance.

**Body Protection** Suitable work wear should be worn to protect personal clothing, eg cotton overalls buttoned at neck and wrist. When large quantities are handled the use of plastic aprons and rubber boots is recommended. Industrial clothing should conform to the specifications detailed in AS/NZS 2919: Industrial clothing.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

**Appearance** Standard and special shaped bricks, usually pale buff colour.

**Odour** Odourless.

**Melting Point** Not available.

**Boiling Point** Not applicable.

**Solubility in Water** Not available.

**Specific Gravity** Not available.

**pH Value** Not available.

**Vapour Pressure** Not available.

**Vapour Density (Air=1)** Not available.

**Flash Point** Not available.

**Auto-Ignition Temperature** Not applicable.

**Flammable Limits - Lower** Not applicable.

**Flammable Limits - Upper** Not applicable.

## 10. STABILITY AND REACTIVITY

# Material Safety Data Sheet

Page: 3 of 3

Infosafe No.	LPVQW	Issue Date : August 2006	ISSUED by DARLEY
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<b>Chemical Stability</b>	Stable under normal conditions of use.
<b>Conditions to Avoid</b>	Extremes of temperature and direct sunlight.
<b>Incompatible Materials</b>	None known.
<b>Hazardous Decomposition Products</b>	Thermal decomposition and combustion produce noxious fumes.
<b>Hazardous Polymerization</b>	Will not occur.

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## 11. TOXICOLOGICAL INFORMATION

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<b>Toxicology Information</b>	No toxicity data available for this product.
<b>Inhalation</b>	Inhalation of dust may cause irritation to the mucous membrane and upper airways. Symptoms of exposure can include nausea, coughing, sneezing and breathing difficulties.
<b>Ingestion</b>	Ingestion of this product may irritate the gastric tract causing nausea and vomiting.
<b>Skin</b>	Skin contact may cause mechanical irritation resulting in redness and itching.
<b>Eye</b>	May cause irritation to eyes. Symptoms may include redness, tearing, stinging and blurred vision.
<b>Chronic Effects</b>	Not expected to cause chronic health effects.

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## 12. ECOLOGICAL INFORMATION

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<b>Ecotoxicity</b>	No ecological data is available for this product.
<b>Persistence / Degradability</b>	Not available.
<b>Mobility</b>	Not available.
<b>Environ. Protection</b>	Avoid contaminating waterways.

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## 13. DISPOSAL CONSIDERATIONS

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<b>Disposal Considerations</b>	Dispose of waste according to federal, EPA and state regulations.
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## 14. TRANSPORT INFORMATION

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<b>Transport Information</b>	Not classified as a Dangerous Good, according to the Australian Code for the Transport of Dangerous Goods by Road and Rail.
<b>U.N. Number</b>	None Allocated
<b>Proper Shipping Name</b>	None Allocated
<b>DG Class</b>	None Allocated
<b>Hazchem Code</b>	None Allocated
<b>Packing Group</b>	None Allocated

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## 15. REGULATORY INFORMATION

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<b>Poisons Schedule</b>	Not Scheduled
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## 16. OTHER INFORMATION

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<b>Date of preparation or last revision of MSDS</b>	MSDS created: August 2006.
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...End Of MSDS...