

Material Safety Data Sheet

Rigidiser

SECTION 1 - PRODUCT IDENTIFICATION

Trade Name: Rigidiser
Synonyms: Rigidiser, Surface Coating or Ceramic Fibre Hardener
Classification: Inorganic, liquid hardening agent for application by spray or brush to Ceramic Fibre Blanket or Board.
Common Uses: For hardening surface of Ceramic Fibre Products to improve resistance to gas flow erosion and abrasion.
Form Supplies: Liquid
Packaging: 10 or 200 litre drums.
Suppliers: Darco Industries
Address: 20 Dobra Road, Yangebup 6164
Phone: (08) 9418 8826
Fax: N/A
Email: sales2@darco.com.au

SECTION 2 - INGREDIENTS

MATERIAL OR COMPONENT:

Silica (as SiO ₂)	(CAS# 7631-86-9)	>25% by weight
Water	(CAS# 7732-18-5)	>50%

SECTION 3 - PHYSICAL & CHEMICAL CHARACTERISTICS

Boiling Point (760 mm Hg)	100°C
Specific Gravity (H ₂ O=1)	1.2 - 1.21
Vapour Pressure (mm Hg)	24mm at 25°C
Percent Volatiles by Volume	60-80%
Solubility in water by weight:	Liquid component is water
Fire and Explosion Hazards:	None- non flammable
Maximum Service Temperature:	1260°C
pH,	9.7

SECTION 4 - FIRE & EXPLOSION HAZARD DATA

None applicable

SECTION 5 - REACTIVITY DATA

Stability:	Stable.
Incompatibility:	None - acids, bases and salts cause gelation
Hazardous Decomposition Products:	None.

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SECTION 6 - HEALTH HAZARD DATA

May cause mild transient eye irritation.
Repeated contact may cause skin irritation.
Inhalation of mist or dusty dried particles may cause a tissue response in the lung.
Amorphous Silica Dusts from dried product are subject to NH and IMC Threshold Limits
Prolonged/repeated inhalation of respirable free silica may cause delayed lung injury.

EMERGENCY AND FIRST AID PROCEDURES

Skin and eye contact -immediately flush with plenty of water.
Call a Physician if irritation persists

SECTION 7 FIRST AID MEASURES

EMERGENCY AND FIRST AID PROCEDURES

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SECTION 8 - SPECIAL PROTECTION INFORMATION

Protection	Normal Use	Storage	Transport	Spillage	Disposal
Respiratory protection	yes	No	No	No	Yes
Gloves	Yes	No	No	Yes	Yes
Eye Protection	Yes	No	No	Yes	Yes
Other					

Maintain adequate ventilation. If misty or dusty conditions exist, use approved SAA protection.
Avoid breathing mist and/or dust or dried particle.

SECTION 9 - SPILL OR LEAK PROCEDURES

Material spilt or leaked: Flush with water, watch for slippery conditions.
Waste Disposal: Comply with local, State and Federal requirements for disposal of non hazardous wastes.

SECTION 10-FIRE FIGHTING MEASURES

Flash point: 250°C by TOC
Extinguishing media: Water, carbon dioxide or dry chemical
Unusual fire and explosion hazard: None

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SECTION 11-ACCIDENTAL RELEASE MEASURES

SPILLAGE Clear area of personnel and move upwind
Use dry clean up procedures
If inhalation or exposure exists, wear SAA approved dust respirator
Collect recoverable product into labeled containers for recycling

SECTION 12-HANDLING & STORAGE

Handling Precautions: Use adequate material handling equipment
Storage requirements: Store in dry place at ambient temperature

SECTION 13-ECOLOGICAL INFORMATION

No known hazards

SECTION 14-TRANSPORT

NOT CLASSIFIED AS A DANGEROUS GOOD BY THE CRITERIA OF THE ADG CODE.

Shipping Name: None allocated
UN No.: None allocated
DG Class: None allocated
Subsidiary Risk(s): None allocated
Hazchem Code: None allocated

SECTION 15- SPECIAL PRECAUTIONS

DEMOLITION

When removing materials subjected to drying temperature, fine dusts must be minimised.
Spray surfaces with water prior to removal if possible.
Avoid inhalation of dusts by use of approved SAA dust respirator.

SECTION 16-DISCLAIMER

The information presented herein is based on data considered to be accurate as of the date of preparation of this Material Safety Data Sheet. However, no warranty or representation, express or implied, is made as to the accuracy or completeness of the foregoing data and safety information. In addition, no responsibility can be assumed by vendor for any damage or injury resulting from abnormal use, from any failure to adhere to recommended practices, or from any hazards inherent in the nature of the product.