



CSR MATERIAL SAFETY DATA SHEET

CSR Acrylic-based Compounds containing crystalline silica

SECTION 1: IDENTIFICATION OF THE MATERIAL AND SUPPLIER

Product Name:	CSR Acrylic-based Compounds containing crystalline silica
Other Names:	Mitex Skim Coat, Mitex Texture Coat, Mitex Mojavi Scratch, Mitex Kalahari Medium, Mitex Kalahari Fine, Mitex Skim Coat Coarse, Mitex Skim Coat Medium
Product Codes/Trade Names:	n/a
Recommended Use:	For use as a base coat in wet area applications
Applicable In:	Australia
Supplier:	CSR Building Products Limited ABN 55 008 631 356
Address:	Triniti 3, 39 Delhi Road, North Ryde, NSW 2113, Australia
Telephone:	+61 2 9235 8000 (or 1800 807 668 (available in Australia only))
Email Address:	http://www.csr.com.au/Common/Contactus.asp
Web Site:	www.csr.com.au
Facsimile:	+61 2 9372 5819
Emergency Phone Number:	000 Fire Brigade and Police (available in Australia only)
Poisons Information Centre:	13 11 26 (available in Australia only)

This Material Safety Data Sheet (MSDS) is issued by the Supplier in accordance with National standards and guidelines from the Australian Safety and Compensation Council (ASCC, formerly National Occupational Health and Safety Commission - NOHSC). The information in it must not be altered, deleted or added to. The Supplier will not accept any responsibility for any changes made to its MSDS by any other person or organization. The Supplier will issue a new MSDS when there is a change in product specifications and/or ASCC standards, codes, guidelines, or Regulations.

SECTION 2: HAZARD IDENTIFICATION

STATEMENT OF HAZARDOUS NATURE: This product as delivered is classified as **non-Hazardous** according to the criteria of the Australian Safety and Compensation Council ASCC (formerly NOHSC) Approved Criteria For Classifying Hazardous Substances [NOHSC:1008] 3rd Edition.

CSR Acrylic-based Compounds containing crystalline silica are classified as **Non-Dangerous** Goods according to the Australian Code for the Transport of Dangerous Goods by Road and Rail.

The product as delivered or used does not release airborne dusts, but sanding, cutting, grinding or polishing areas coated with the product may create dust which is classified as **Hazardous**. The following Risk and Safety phrases apply to airborne dust of this product:

Risk Phrases	Safety Phrases
R36/37/38: Irritating to eyes, respiratory system and skin.	S22: Do not breathe dust.
R40/20: Harmful: possible risk of irreversible effects through inhalation.	S24/25: Avoid contact with skin and eyes.
	S36/37/38: Wear suitable protective clothing, gloves and eye/face protection.

CSR MSDS Reference: LWS-SDS-064

Date Issued: 1/09/2010

SECTION 3: COMPOSITION / INFORMATION ON INGREDIENTS

Chemical Name:	Synonyms:	Proportion:	CAS Number:
Acrylic polymer water emulsion	n/a	<25%	-
Crystalline silica	Sand, Quartz	<60%	14808-60-7
Calcium carbonate	n/a	<20%	1317-65-3
Cellulosic thickener, dispersants	n/a	<1%	-
Biocide	n/a	<0.2%	-
Water	n/a	to 100%	-

Note: Residual monomers are less than 0.1% of the acrylic polymer water emulsion.

SECTION 4: FIRST AID MEASURES

Swallowed:	Do not induce vomiting. Give plenty of water to drink. Seek medical attention if any abdominal symptoms.
Eyes:	Flush thoroughly with flowing water for at least ten minutes. If eye contamination is more than minor, or if symptoms persist, seek medical attention.
Skin:	Wash thoroughly with soap and water. If irritation persists seek medical attention.
Inhaled:	Remove to fresh air. If symptoms persist seek medical attention.
Advice to Doctor:	Treat symptomatically.

SECTION 5: FIRE FIGHTING MEASURES

Flammability:	Non-flammable
Suitable extinguishing media:	Use extinguishing media (e.g. carbon dioxide, water, foam or dry chemical) and equipment as required by fire in surrounding materials.
Hazards from combustion products:	In fire situations, when heated to decomposition, carbon dioxide, acrid smoke and irritating fumes including acrylic monomers may be emitted.
Special protective precautions and equipment for fire fighters:	Burning can produce irritant and toxic fumes. Fire fighters to wear protection as required by surrounding for conditions.
HAZCHEM Code:	None allocated

SECTION 6: ACCIDENTAL RELEASE MEASURES

Containment Procedure:	Large spills may be contained for disposal.
Clean Up Procedure:	Small spills may be cleaned up by flushing away with water.

SECTION 7: HANDLING AND STORAGE

Handling:	Manual handling should be in accordance with Manual Handling Regulations and Codes.
Storage:	No special storage requirements apply.
Incompatibilities:	None

SECTION 8: EXPOSURE CONTROLS / PERSONAL PROTECTION

National Exposure Standards:	National Occupational Health & Safety Commission (NOHSC) Australia Occupational Exposure Standard: Crystalline silica (quartz): TWA - 0.1 mg/m ³ as respirable dust (≤ 7 microns particle equivalent aerodynamic diameter) Calcium carbonate: TWA - 10 mg/m ³ measured as inspirable dust Total dust (of any type, or particle size): TWA - 10 mg/m ³
Notes on Exposure Standards:	All occupational exposures to atmospheric contaminants should be kept to as low a level as is workable (practicable) and in all cases to below the National Standard. TWA (Time Weighted Average): the time-weighted average airborne concentration over an eight-hour working day, for a five-day working week over an entire working life. According to current knowledge this concentration should neither impair the health of, nor cause undue discomfort to, nearly all workers.
Biological Limit Values:	No biological limit allocated.
ENGINEERING CONTROLS	
<input type="checkbox"/> Ventilation:	Engineering controls and work practices should aim to minimise direct contact with skin. Mechanical exhaust ventilation not required where adequate natural ventilation is available. When dry dust is created, exhaust ventilation may be required to ensure exposure standards are not exceeded.
<input type="checkbox"/> Special Consideration for Repair &/or Maintenance of Contaminated Equipment:	Recommendations on Exposure Control and Personal Protection should be followed.
PERSONAL PROTECTION	
<input type="checkbox"/> Personal Hygiene	Wash contaminated clothing and other protective equipment before storing or re-using. Wash hands before eating, drinking, using the toilet, or smoking.
<input type="checkbox"/> Skin Protection:	Direct skin contact should be avoided by wearing long sleeved shirts and long trousers a cap or hat and PVC gloves (AS 2161).
<input type="checkbox"/> Eye Protection:	Safety spectacles with side shields or face and coverall goggles with direct ventilation (AS/NZS 1336) should be worn if a risk of eye contact exists.
<input type="checkbox"/> Respiratory Protection:	Not usually required when using wet product. If dust is generated from dried product, an approved particulate respirator conforming to Australian standards AS/NZS 1715 and 1716 should be worn, particularly if working in an area without good natural ventilation. Respirators should be correctly fitted, maintained in good condition and kept in clean storage when not in use. Replaceable filters and cartridges should be replaced regularly in accordance with the manufacturer's guidelines.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

Appearance:	White/opaque thick liquid
Odour:	Mild acrylic odour
pH, at stated concentration:	Approximately 9.5
Vapour Pressure:	Not applicable (very low)
Vapour Density:	Not applicable

Boiling Point/Range (°C):	Approx 100°C
Freezing/Melting Point (°C):	Not applicable
Solubility In Water:	Partly miscible
Specific Gravity (H₂O = 1):	Approx 1.15
FLAMMABLE MATERIALS	
<input type="checkbox"/> Flash Point:	Not applicable
<input type="checkbox"/> Flash Point Method:	Not applicable
<input type="checkbox"/> Flammable (Explosive) Limit - Upper:	Not applicable
<input type="checkbox"/> Flammable (Explosive) Limit - Lower:	Not applicable
<input type="checkbox"/> Autoignition Temperature:	Not applicable
ADDITIONAL PROPERTIES	
<input type="checkbox"/> Evaporation Rate:	Not determined
<input type="checkbox"/> % Volatiles:	0%
<input type="checkbox"/> Volatile Organic Compounds Content (VOC): (as specified by the Green Building Council of Australia)	0%

SECTION 10: STABILITY AND REACTIVITY

Chemical Stability:	Stable
Incompatible Materials:	None
Conditions to avoid:	Decomposition by combustion.
Hazardous Decomposition Products:	Burning can produce irritant and toxic fumes.
Hazardous Reactions:	None

SECTION 11: TOXICOLOGICAL INFORMATION

Toxicity Data: No direct data available for this or similar products. The following information is based on the toxicity profiles of a number of acrylic emulsions that are similar in composition to the acrylic polymer used in this product.

Acute Data for acrylic polymer emulsion ingredient:

Oral LD50 - rat: >5000mg/kg

Dermal LD50 - rabbit: >5000mg/kg

Skin irritation - rabbit: practically non-irritating

Eye irritation - rabbit: inconsequential irritation.

Health Effects: Acute (short term)

Swallowed:	Unlikely under normal conditions of occupational use, but swallowing more than a mouthful of the product may result in nausea and possible abdominal discomfort.
Eyes:	Splashes or dust from the dried product may irritate the eyes causing watering and redness.
Skin:	This product and its dust, particularly in association with heat and sweat, may cause mild skin irritation.
Inhaled:	Inhalation of dust from this product may irritate the nose and throat and respiratory system causing coughing and sneezing.

Health Effects: Chronic (long term)

Skin:	Prolonged and repeated skin contact may result in dermatitis (redness and skin irritation).
Inhaled:	Repeated exposure to the dust may result in increased nasal and respiratory secretions and coughing. Inflammation of lining tissue of the respiratory system may follow repeated exposure to high levels of dust with increased risk of bronchitis and pneumonia.

Additional Notes

Long Term Effects:	Long term occupational over-exposure or prolonged breathing-in (or inhalation) of crystalline silica dust at levels above the NES carries the risk of causing serious and irreversible lung disease, including bronchitis, and silicosis (scarring of the lung), including acute and/or accelerated silicosis. It may also increase the risk of other irreversible and serious disorders including scleroderma (a disease affecting the skin, joints, blood vessels and internal organs) and other auto-immune disorders. ASCC/NOHSC has not classified crystalline silica as a carcinogen.
Special Toxic Effects:	Inhalation of dust, including crystalline silica dust, is considered by medical authorities to increase the risk of lung disease due to tobacco smoking.

SECTION 12: ECOLOGICAL INFORMATION

Eco-toxicity:	This product has not been tested. However the physical and chemical nature of the product and toxicological data on ingredients indicate that this product is relatively low risk.
Persistence and Degradability:	No data available, but most components are expected to be persistent in landfill situations.
Mobility:	No data available, but product is expected to have low mobility except for water soluble component.

SECTION 13: DISPOSAL CONSIDERATIONS

Scrape/shovel material into bins. Dispose of in accordance with local and environment authority guidelines. Suitable for disposal to approved facility in accordance with local waste and environmental authority requirements. Do not allow this product to enter drains, stormwater systems and waterways.

SECTION 14: TRANSPORT INFORMATION

Proper Shipping Name:	None allocated
UN number:	None allocated

DG Class:	None allocated
Subsidiary Risk 1:	None allocated
Packaging Group:	None allocated
HAZCHEM code:	None allocated
Marine Pollutant:	No
Special Precautions for User:	None

SECTION 15: REGULATORY INFORMATION

Poisons Schedule:	Not scheduled
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SECTION 16: OTHER INFORMATION

For further information on this product, please contact:

CSR Building Products Limited (ABN 55 008 631 356), Triniti 3, 39 Delhi Road, North Ryde, NSW 2113, Australia

Phone: +61 2 9372 5888 or 1800 807 668 (available in Australia only)

Fax: +61 2 9372 5877

ADDITIONAL INFORMATION

Australian Standards References:

AS/NZS 1336	Recommended Practices for Occupational Eye Protection
AS/NZS 1715	Selection, Use and Maintenance of Respiratory Protective Devices
AS/NZS 1716	Respiratory Protective Devices
AS 2161	Industrial Safety Gloves and Mittens (excluding electrical and medical gloves)

Other References:

NOHSC:2011(2003)	National Code of Practice for the Preparation of Material Safety Data Sheets 2nd Edition, April 2003, National Occupational Health and Safety Commission.
NOHSC:10005(1999)	List Of Designated Hazardous Substances, April 1999, National Occupational Health and Safety Commission, Sydney.
NOHSC:2007(1994)	National Code of Practice for the Control of Workplace Hazardous Substances (Australian States have similar Codes of Practice in each State).
NOHSC: 2012(1994)	National Code of Practice for the Labelling of Workplace Substances, March 1994, Australian Government Publishing Service, Canberra.
NES	National Occupational Exposure Standards for workplace Atmospheric Contaminants (NES) Australian Safety and Compensation Council, ASCC (Formerly NOHSC) 1995 as amended.
ADG Code 6 th Edition	Australian Dangerous Goods Code 6 th Edition.

AUTHORISATION

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END OF MSDS