CSR MATERIAL SAFETY DATA SHEET
Designer Series Façade Panel Sealant

SECTION 1: IDENTIFICATION OF THE MATERIAL AND SUPPLIER

Product Name:	**Designer Series Façade Panel Sealant**
Other Names:	n/a
Product Codes/Trade Names:	n/a
Recommended Use:	Façade panel sealant
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 Safe Work Australia (SWA – formerly ASCC/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 Standards, Codes, Guidelines, or Regulations.

SECTION 2: HAZARD IDENTIFICATION

STATEMENT OF HAZARDOUS NATURE: Classified as **Non-Hazardous** as delivered, according to the criteria of Safe Work Australia (SWA – formerly ASCC/NOHSC) Approved Criteria For Classifying Hazardous Substances [NOHSC: 1008] 3rd Edition.

Designer Series Façade Panel Sealant is classified as **Non-Dangerous Goods** according to the Australian Code for the Transport of Dangerous Goods by Road and Rail.

SECTION 3: COMPOSITION / INFORMATION ON INGREDIENTS

Chemical Name:	Synonyms:	Proportion:	CAS Number:
Silicon modified polymer		20-30%	----
Acrylic resin		10-20%	----
Fillers		40-50%	----
Paraffin wax		1-5%	8002-74-2

Di-sec-octyl phthalate		0.1-1%	117-81-7
Hexane	n-Hexane	0.1-1%	110-54-3
Methanol	Methyl alcohol	0.1-1%	67-56-1
Organic tin compound		0.1-1%	7440-31-5

SECTION 4: FIRST AID MEASURES

Swallowed:	Rinse mouth and lips with water. Do not induce vomiting. If symptoms persist, seek medical attention.
Eyes:	Flush thoroughly with flowing water, while holding eyelids open, for 15 minutes to remove all traces. If symptoms such as irritation or redness persist, seek medical attention.
Skin:	Remove heavily contaminated clothing. Wash off skin thoroughly with water. Use a mild soap if available. Shower if necessary. Seek medical attention for persistent redness, irritation or burning of the skin.
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 carbon dioxide, foam, dry chemical or water spray to extinguish, as required for fire in surrounding materials.
Hazards from combustion products:	When heated to decomposition it may emit carbon dioxide, acrid smoke, and irritating fumes including traces of acrylic monomers.
Special protective precautions and equipment for fire fighters:	As required for fire in surrounding materials.
HAZCHEM Code:	None

SECTION 6: ACCIDENTAL RELEASE MEASURES

Emergency Procedure:	Wear protective equipment to prevent skin and eye contamination.
Containment Procedure:	Collect spillage. Do not allow this product to enter drains, storm water systems or waterways.
Clean Up Procedure:	Scrape/shovel material into bins.

SECTION 7: HANDLING AND STORAGE

Handling:	Wear protective equipment to prevent skin and eye contamination. Manual handling should be in accordance with Manual Handling Regulations and Codes.
Storage:	This product should be stored in a sealed container in a cool, dry area.
Incompatibilities:	None

SECTION 8: EXPOSURE CONTROLS / PERSONAL PROTECTION

National Exposure Standards:	**National Occupational Exposure Standard (NES), Australian Safety & Compensation Council, ASCC (formerly NOHSC)** Paraffin wax (fume): TWA – 2 mg/m^3 Di-sec-octyl phthalate: TWA – 5 mg/m^3; STEL – 10 mg/m^3 Hexane: TWA – 50 ppm, 176 mg/m^3 Methanol: TWA – 200 ppm, 262 mg/m^3; STEL – 250 ppm, 328 mg/m^3; Sk Tin, organic compounds: TWA – 0.1 mg/m^3; STEL – 0.2 mg/m^3; Sk
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. 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 work day. Sk Notice: absorption through the skin may be a significant source of exposure. The exposure standard is invalidated if such contact should occur.
Biological Limit Values:	No biological limit allocated.
ENGINEERING CONTROLS	
☐ **Ventilation:**	General room ventilation should be adequate, but local mechanical ventilation may be required if dust is generated, particularly in confined spaces.
☐ **Special Consideration for Repair &/or Maintenance of Contaminated Equipment:**	Work areas should be cleaned regularly by damp sweeping or vacuuming. Recommendations on Exposure Control and Personal Protection should be followed.
PERSONAL PROTECTION	
☐ **Personal Hygiene**	Wash hands before eating, drinking, using the toilet, or smoking. Wash work clothes regularly.
☐ **Skin Protection:**	Engineering controls and work practices should aim to minimise direct contact with the product. Wear loose comfortable clothing. Direct skin contact should be avoided by wearing long sleeved shirts and long trousers, a cap or hat, and gloves (standard duty leather or equivalent AS 2161).
☐ **Eye Protection:**	Safety spectacles with side shields or coverall goggles with direct ventilation (AS/NZS 1336) should be worn if a risk of eye contact exists.
☐ **Respiratory Protection:**	Not required under normal circumstances. An approved particulate respirator conforming to Australian Standards AS/NZS 1715 and 1716 should be worn if dust is generated, particularly if working in a confined environment. 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 manufacturers' guidelines and Australian Standards AS/NZS 1715 and 1716.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

Appearance:	Paste

Odour:	
pH, at stated concentration:	Not determined
Vapour Pressure:	Not applicable
Vapour Density:	Not applicable
Boiling Point/Range (°C):	Not determined
Freezing/Melting Point (°C):	Not determined
Solubility in Water:	Partly miscible, mostly insoluble
Specific Gravity (H_2O = 1):	Not determined
FLAMMABLE MATERIALS	
☐ **Flash Point:**	>220° C
☐ **Flash Point Method:**	unknown
☐ **Flammable (Explosive) Limit - Upper:**	Not applicable
☐ **Flammable (Explosive) Limit - Lower:**	Not applicable
☐ **Autoignition Temperature:**	Not applicable
ADDITIONAL PROPERTIES	
☐ **Evaporation Rate:**	Not determined
☐ **% Volatiles:**	<2%
☐ **Volatile Organic Compounds Content (VOC):** (as specified by the Green Building Council of Australia)	<2%

SECTION 10: STABILITY AND REACTIVITY

Chemical Stability:	Stable under normal conditions
Incompatible Materials:	None
Conditions to avoid:	Dust generation (dried product)
Hazardous Decomposition Products:	None
Hazardous Reactions:	None

SECTION 11: TOXICOLOGICAL INFORMATION

Acute Toxicology data

Hexane: Oral LD50 - rat: 28,710 mg/kg
Hexane: Inhalation LC50 - mouse: 120 g/m^3
Di-sec-octyl phthalate: Oral LD50 - rat: 30,600 mg/kg
Di-sec-octyl phthalate: Dermal LD50 - rabbit: 25 g/kg
Methanol: Oral LD50 - rat: 5,628 mg/kg
Methanol: Inhalation LC50 - rat: 64,000 ppm/4H

Di-sec-octyl phthalate: Skin irritation - rabbit: 500mg/24H; mild
Di-sec-octyl phthalate: Eye irritation - rabbit: 500mg/24H; mild
Methanol: Skin irritation - rabbit: 20mg/24H; moderate
Methanol: Eye irritation - rabbit: 100mg/24H; moderate
Hexane: Eye irritation - rabbit: 10mg; mild

Health Effects: Acute (short term)

Swallowed:	Unlikely under normal industrial use, but swallowing more than a mouthful may result in mild nausea.
Eyes:	Splashes, or dust from the dried product, may irritate the eyes causing watering and redness, and may aggravate pre-existing eye conditions.
Skin:	Contact with product, or with the dust from this product, may cause irritation, particularly in association with heat and sweat.
Inhaled:	Dust from the dried product may be mildly irritating to the nose, throat and respiratory tract and may cause coughing and sneezing. Pre-existing upper respiratory and lung diseases including asthma and bronchitis may be aggravated.

Health Effects: Chronic (long term)

Skin:	Prolonged and repeated skin contact may result in dermatitis (redness and skin irritation). Repeated heavy contact with the dust from the dried product may cause drying of the skin and can result in skin rash (dermatitis) typically affecting the hands. Over time this may become chronic and can also become infected.
Inhaled:	Repeated exposure to the dust from the dried product 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:	None reported. The trace ingredient di-sec-octyl phthalate has been assessed by IARC as Group 3 (not classifiable as to carcinogenicity).
Special Toxic Effects:	The trace ingredient di-sec-octyl phthalate has been assessed by international authorities as reproductive toxicity Category 1B (if sufficient exposure occurs it may damage fertility or the unborn child).

SECTION 12: ECOLOGICAL INFORMATION

Eco-toxicity:	Hexane: Daphnia magna LC50: 3.88 mg/L/48hr Methanol: Brine shrimp LC50: 900.73 mg/L/24hr
Persistence and Degradability:	Hexane: BOD Degradation: 100% Manufactured product would have high persistence and low degradability.
Mobility:	A low mobility would be expected in a landfill situation.

SECTION 13: DISPOSAL CONSIDERATIONS

Designer Series Façade Panel Sealant can be treated as a common waste for disposal which should be into a landfill site in accordance with local authority guidelines. Measures should be taken to prevent dust generation during disposal and exposure and personal precautions should be observed (see above).

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

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	Australian Dangerous Goods Code 7th Edition.

AUTHORISATION

Reason for Issue:	New product
Authorised by:	Ben Thompson
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END OF MSDS