

**Product Name**      **PROFLEX**

**1. IDENTIFICATION OF THE MATERIAL AND SUPPLIER**

**Supplier name**                      **CONSTRUCTION TECHNOLOGIES AUSTRALIA (PROHESIVE)**  
**Address**                                P.O. Box 1135, Browns Plains, QLD, 4118, AUSTRALIA  
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**Web site**                                <http://www.ctaust.com.au>  
**Synonym(s)**                            PROFHESIVE PROFLEX  
**Use(s)**                                    CERAMIC ADHESIVE • TILE ADHESIVE  
**SDS date**                                28 May 2014

**2. HAZARDS IDENTIFICATION**

**CLASSIFIED AS HAZARDOUS ACCORDING TO SAFE WORK AUSTRALIA CRITERIA**

**Risk Phrases**

R36/37/38                                Irritating to eyes, respiratory system and skin.  
R48/20                                      Harmful: danger of serious damage to health by prolonged exposure through inhalation.

**Safety Phrases**

S3    Keep in a cool place.  
S24/25                                      Avoid contact with skin and eyes.  
S28    After contact with skin, wash immediately with plenty of water.  
S36/37/39                                Wear suitable protective clothing, gloves and eye/face protection.

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

<b>UN Number</b>	None Allocated	<b>Transport Hazard Class</b>	None Allocated
<b>Packing Group</b>	None Allocated	<b>Hazchem Code</b>	None Allocated

**3. COMPOSITION/ INFORMATION ON INGREDIENTS**

Ingredient	Identification	Classification	Content
QUARTZ (SILICA CRYSTALLINE)	CAS: 14808-60-7 EC: 238-878-4	Not Available	10 to 30%
PORTLAND CEMENT	CAS: 65997-15-1 EC: 266-043-4	Not Available	40 to 70%
CRUSHED RUBBER	Not Available	Not Available	10 to 30%
POLYVINYL ACETATE COPOLYMER	CAS: 24937-78-8 EC: 607-457-0	Not Available	5 to 15%
NON HAZARDOUS INGREDIENTS	Not Available	Not Available	Remainder

**4. FIRST AID MEASURES**

**Eye**                                        If in eyes, hold eyelids apart and flush continuously with running water. Continue flushing until advised to stop by a Poisons Information Centre, a doctor, or for at least 15 minutes.

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**Inhalation**                      Due to product form / nature of use, an inhalation hazard is not anticipated.

**Skin**                                If skin or hair contact occurs, remove contaminated clothing and flush skin and hair with running water. Continue flushing with water until advised to stop by a Poisons Information Centre or a doctor.

**Ingestion**                        For advice, contact a Poison Information Centre on 13 11 26 (Australia Wide) or a doctor (at once). If swallowed, do not induce vomiting.

**Advice to doctor**                Treat symptomatically.

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## 5. FIRE FIGHTING MEASURES

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**Flammability**                      Non flammable. May evolve toxic gases if strongly heated.

**Fire and explosion**              No fire or explosion hazard exists.

**Extinguishing**                    Use an extinguishing agent suitable for the surrounding fire.

**Hazchem code**                    None Allocated

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## 6. ACCIDENTAL RELEASE MEASURES

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**Personal precautions**            Wear Personal Protective Equipment (PPE) as detailed in Section 8 of this SDS.

**Environmental precautions**      Prevent product from entering drains and waterways.

**Methods of cleaning up**            Contain spillage, then cover/absorb spill with non-combustible absorbent material (vermiculite, sand, or similar), collect and place in suitable containers for disposal.

**References**                         See Sections 8 and 13 for exposure controls and disposal.

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## 7. STORAGE AND HANDLING

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**Storage**                              Store in a cool, dry, well ventilated area, removed from moisture, incompatible substances and foodstuffs. Ensure packages are adequately labelled, protected from physical damage and sealed when not in use.

**Handling**                            Before use carefully read the product label. Use of safe work practices are recommended to avoid eye or skin contact and inhalation. Observe good personal hygiene, including washing hands before eating. Prohibit eating, drinking and smoking in contaminated areas.

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## 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

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### Exposure standards

Ingredient	Reference	TWA		STEL	
		ppm	mg/m <sup>3</sup>	ppm	mg/m <sup>3</sup>
Portland Cement	SWA (AUS)	--	10	--	--
Quartz (respirable dust)	SWA (AUS)	--	0.1	--	--
Vinyl acetate	SWA (AUS)	10	35	20	70

**Biological limits**                      No biological limit allocated.

**Engineering controls**              Avoid inhalation. Use in well ventilated areas. Maintain dust levels below the recommended exposure standard.

**PPE**

**Eye / Face**                            Wear safety glasses.

**Hands**                                    Wear PVC or rubber gloves.

**Body**                                    When using large quantities or where heavy contamination is likely, wear coveralls and rubber boots.

**Respiratory**                         Not required under normal conditions of use.



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**9. PHYSICAL AND CHEMICAL PROPERTIES**

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Appearance	FINE GREY TO BLACK POWDER
Odour	SLIGHT ODOUR OF ACRYLIC AND CEMENT
Flammability	NON FLAMMABLE
Flash point	NOT RELEVANT
Boiling point	NOT AVAILABLE
Melting point	NOT AVAILABLE
Evaporation rate	NOT AVAILABLE
pH	ALKALINE
Vapour density	NOT AVAILABLE
Specific gravity	NOT AVAILABLE
Solubility (water)	INSOLUBLE
Vapour pressure	NOT AVAILABLE
Upper explosion limit	NOT RELEVANT
Lower explosion limit	NOT RELEVANT
Explosive properties	NOT AVAILABLE
Oxidising properties	NOT AVAILABLE
% Volatiles	NOT AVAILABLE

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**10. STABILITY AND REACTIVITY**

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Chemical stability	Stable under recommended conditions of storage.
Conditions to avoid	Avoid heat, sparks, open flames and other ignition sources.
Material to avoid	Incompatible with oxidising agents (eg. hypochlorites), ethanol, interhalogens (eg. chlorine trifluoride) and acids.
Hazardous Decomposition Products	May evolve toxic gases if heated to decomposition.
Hazardous Reactions	Polymerization is not expected to occur.

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**11. TOXICOLOGICAL INFORMATION**

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Health Hazard Summary	Slightly corrosive - irritant. This product has the potential to cause adverse health effects with over exposure. Use safe work practices to avoid eye or skin contact and inhalation. In the wet state, this product does not present an inhalation hazard. Crystalline silica may result in silicosis (lung disease) with chronic over exposure. Crystalline silica and hexavalent chromium compounds are classified as carcinogenic to humans (IARC Group 1).	
Eye	Corrosive. Contact may result in irritation, lacrimation, pain, redness, corneal burns and possible permanent damage.	
Inhalation	Slightly corrosive - irritant. Over exposure may result in irritation of the nose and throat, coughing and bronchitis. Hexavalent chromium is reported to cause respiratory sensitisation, however due to the trace amount present, a hazard is not anticipated under normal conditions of use. Chronic exposure to respirable silica may result in pulmonary fibrosis (silicosis). Crystalline silica and hexavalent chromium compounds are classified as carcinogenic to humans (IARC Group 1).	
Skin	Slightly corrosive. Contact with powder or wetted form may result in rash and dermatitis. Some individuals may exhibit an allergic response upon exposure to cement, possibly due to trace amounts of chromium.	
Ingestion	Slightly corrosive. Ingestion may result in burns to the mouth and throat, nausea, vomiting and abdominal pain. Ingestion is considered unlikely due to product form.	
Toxicity data	QUARTZ (SILICA CRYSTALLINE) (14808-60-7)	
	LCLo (inhalation)	300 ug/m <sup>3</sup> /10 years (human)
	TCLo (inhalation)	16 000 000 particles/ft <sup>3</sup> /8 hours/17.9 years (human-fibrosis)

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**12. ECOLOGICAL INFORMATION**

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Toxicity	Not expected to be dangerous to the aquatic environment.
Persistence and degradability	Limited information was available at the time of this review.
Bioaccumulative potential	No information provided.

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Mobility in soil Limited information was available at the time of this review.

Other adverse effects No information provided.

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### 13. DISPOSAL CONSIDERATIONS

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Waste disposal No special precautions are required for the disposal of this product.

Legislation Dispose of in accordance with relevant local legislation.

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### 14. TRANSPORT INFORMATION

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**NOT CLASSIFIED AS A DANGEROUS GOOD BY THE CRITERIA OF THE ADG CODE, IMDG OR IATA**

	<b>LAND TRANSPORT (ADG)</b>	<b>SEA TRANSPORT (IMDG / IMO)</b>	<b>AIR TRANSPORT (IATA / ICAO)</b>
<b>UN Number</b>	None Allocated	None Allocated	None Allocated
<b>Proper Shipping Name</b>	None Allocated	None Allocated	None Allocated
<b>Transport Hazard Class</b>	None Allocated	None Allocated	None Allocated
<b>Packing Group</b>	None Allocated	None Allocated	None Allocated

Environmental hazards No information provided

**Special precautions for user**

Hazchem code None Allocated

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### 15. REGULATORY INFORMATION

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Poison schedule A poison schedule number has not been allocated to this product using the criteria in the Standard for the Uniform Scheduling of Medicines and Poisons (SUSMP).

Inventory Listing(s) **AUSTRALIA: AICS (Australian Inventory of Chemical Substances)**  
All components are listed on AICS, or are exempt.

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### 16. OTHER INFORMATION

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**Additional information** RESPIRATORS: In general the use of respirators should be limited and engineering controls employed to avoid exposure. If respiratory equipment must be worn ensure correct respirator selection and training is undertaken. Remember that some respirators may be extremely uncomfortable when used for long periods. The use of air powered or air supplied respirators should be considered where prolonged or repeated use is necessary.

CEMENT CONTACT DERMATITIS Individuals using wet cement, mortar, grout or concrete could be at risk of developing cement dermatitis. Symptoms of exposure include itchy, tender, swollen, hot, cracked or blistering skin with the potential for sensitisation. The dermatitis is due to the presence of soluble (hexavalent) chromium.

PERSONAL PROTECTIVE EQUIPMENT GUIDELINES:  
The recommendation for protective equipment contained within this report is provided as a guide only. Factors such as method of application, working environment, quantity used, product concentration and the availability of engineering controls should be considered before final selection of personal protective equipment is made.

HEALTH EFFECTS FROM EXPOSURE:  
It should be noted that the effects from exposure to this product will depend on several factors including: frequency and duration of use; quantity used; effectiveness of control measures; protective equipment used and method of application. Given that it is impractical to prepare a ChemAlert report which would encompass all possible scenarios, it is anticipated that users will assess the risks and apply control methods where appropriate.

**Abbreviations**

ACGIH	American Conference of Governmental Industrial Hygienists
CAS #	Chemical Abstract Service number - used to uniquely identify chemical compounds
CNS	Central Nervous System
EC No.	EC No - European Community Number
GHS	Globally Harmonized System
IARC	International Agency for Research on Cancer
LC50	Lethal Concentration, 50% / Median Lethal Concentration
LD50	Lethal Dose, 50% / Median Lethal Dose
mg/m <sup>3</sup>	Milligrams per Cubic Metre
OEL	Occupational Exposure Limit
PEL	Permissible Exposure Limit
pH	relates to hydrogen ion concentration using a scale of 0 (high acidic) to 14 (highly alkaline).
ppm	Parts Per Million
REACH	Regulation on Registration, Evaluation, Authorisation and Restriction of Chemicals
STEL	Short-Term Exposure Limit
STOT-RE	Specific target organ toxicity (repeated exposure)
STOT-SE	Specific target organ toxicity (single exposure)
SUSMP	Standard for the Uniform Scheduling of Medicines and Poisons
SWA	Safe Work Australia
TLV	Threshold Limit Value
TWA	Time Weighted Average

**Revision history**

Revision	Description
1.1	Standard SDS Review
1.0	Initial SDS creation

**Report status**

This document has been compiled by RMT on behalf of the manufacturer, importer or supplier of the product and serves as their Safety Data Sheet ('SDS').

It is based on information concerning the product which has been provided to RMT by the manufacturer, importer or supplier or obtained from third party sources and is believed to represent the current state of knowledge as to the appropriate safety and handling precautions for the product at the time of issue. Further clarification regarding any aspect of the product should be obtained directly from the manufacturer, importer or supplier.

While RMT has taken all due care to include accurate and up-to-date information in this SDS, it does not provide any warranty as to accuracy or completeness. As far as lawfully possible, RMT accepts no liability for any loss, injury or damage (including consequential loss) which may be suffered or incurred by any person as a consequence of their reliance on the information contained in this SDS.

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**End of SDS**