

Infosafe No™ LPTQK	Issue Date : June 2014	ISSUED by PARCHEMC
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Product Name : **EMER-IMPACT**

Classified as hazardous

1. Identification

GHS Product Identifier	EMER-IMPACT
Company Name	Parchem Construction Supplies Pty Ltd (ABN 80 069 961 968)
Address	7 Lucca Road Wyong NSW 2259 Australia
Telephone/Fax Number	Tel: 02 4350 5000 Fax: 02 4351 2024
Emergency phone number	1800 638 556 (available 24/7)
Recommended use of the chemical and restrictions on use	Provides a strong protective and decorative coating for many common substrates
Other Information	<p>This SDS summarises at the date of issue our best knowledge of the health and safety hazard information of the product, and in particular how to safely handle and use the product in the workplace. Since Parchem Construction Supplies Pty Ltd cannot anticipate or control the conditions under which the product may be used, each user must, prior to usage, review this MSDS in the context of how the user intends to handle and use the product in the workplace.</p> <p>If clarification or further information is needed to ensure that an appropriate assessment can be made, the user should contact this company. Our responsibility for product as sold is subject to our standard terms and conditions, a copy of which is sent to our customers and is also available upon request.</p> <p>www.parchem.com.au</p>

2. Hazard Identification

Classification of the substance or mixture	<p>Classified as Hazardous according to the Globally Harmonised System of Classification and labelling of Chemicals (GHS) including Work, Health and Safety regulations, Australia.</p> <p>Not classified as Dangerous Goods according to the Australian Code for the Transport of Dangerous Goods by Road and Rail. (7th edition)</p> <p>Eye Damage/Irritation: Category 2</p>
Signal Word (s)	Warning
Hazard Statement (s)	H319 Causes serious eye irritation.
General Precautionary Statement (s)	P101 If medical advice is needed, have product container or label at hand.
Pictogram (s)	<p>P102 Keep out of reach of children.</p> <p>P103 Read label before use.</p> <p>Exclamation mark</p> <div style="text-align: center;">  </div>
Precautionary statement – Prevention	P264 Wash contaminated skin thoroughly after handling.
Precautionary statement – Response	<p>P280 Wear protective gloves/protective clothing/eye protection/face protection.</p> <p>P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.</p> <p>P337+P313: If eye irritation persists: Get medical advice/attention.</p> <p>P501 Dispose of contents/container to an approved waste disposal plant.</p>
Precautionary statement – Disposal Supplemental information	<p>The information under this heading is not mandatory under WHS Regulations. It is provided as information on other GHS hazard classes and categories and/or environmental hazards that are outside the scope of the WHS Regulations.</p> <p>GHS classification: Skin Corrosion/Irritation: Category 3, Hazardous to the Aquatic Environment - Acute Hazard: Category 3, Hazardous to the Aquatic</p>

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 Environment - Long-Term Hazard: Category 3 Hazard statement: H316; H412.
 Precautionary statement: P273; P332+P313.

3. Composition/information on ingredients

Ingredients	<u>Name</u>	<u>CAS</u>	<u>Proportion</u>
	Titanium dioxide	13463-67-7	10-<30 %
	Fumed silica	7631-86-9	1-<10 %
	Barium metaborate	13701-59-2	1-<10 %
	2-Butoxyethanol	111-76-2	1-<10 %
	Diuron	330-54-1	0-<1 %
	Alkylphenoether sulfate		0-<1 %
	2-Octyl-2H-Isothiazol-3-one	26530-20-1	0-<0.05 %
	Ingredients determined not to be hazardous, including water		Balance

Preparation Description
 The product is a water-based polymer dispersion.

4. First-aid measures

Inhalation	If inhaled, remove affected person from contaminated area. Keep at rest until recovered. If symptoms develop and/or persist seek medical attention.
Ingestion	Do not induce vomiting. Wash out mouth thoroughly with water. Seek medical attention.
Skin	Remove all contaminated clothing immediately. Wash affected area thoroughly with soap and water. Wash contaminated clothing before reuse or discard. Seek medical attention.
Eye contact	If in eyes, hold eyelids apart and flush the eyes continuously with running water. Remove contact lenses. Continue flushing for several minutes until all contaminants are washed out completely. Seek medical attention.
First Aid Facilities	Eyewash, safety shower and normal washroom facilities.
Advice to Doctor	Treat symptomatically.
Other Information	For advice in an emergency, contact a Poisons Information Centre (Phone Australia 131 126) or a doctor at once.

5. Fire-fighting measures

Suitable extinguishing media	Use carbon dioxide, dry chemical, foam, water mist or water spray.
Hazards from Combustion Products	Under fire conditions this product may emit toxic and/or irritating fumes, smoke and gases including acrylic monomers, compounds of barium and boron, carbon monoxide, carbon dioxide, oxides of nitrogen.
Specific hazards arising from the chemical	This product will burn if exposed to fire.
Decomposition Temp.	Not available
Precautions in connection with Fire	Fire fighters should wear full protective clothing and self-contained breathing apparatus (SCBA) operated in positive pressure mode. Fight fire from safe location,

6. Accidental release measures

Personal precautions, protective equipment and emergency procedures	Wear appropriate personal protective equipment and clothing to prevent exposure. Extinguish or remove all sources of ignition and stop leak if safe to do so. Increase ventilation. Evacuate all unprotected personnel. If possible contain the spill. As a water based product, if spilt on electrical equipment the product will cause short-circuits. Spillage may be slippery. Place inert absorbent, non combustible material onto spillage. Use clean non-sparking tools to collect the material and place into suitable labelled containers for subsequent recycling or disposal. Dispose of waste according to the applicable local and national regulations. If contamination of sewers or waterways occurs inform the local water and waste management authorities in
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accordance with local regulations.

Note: The polymer may adhere securely to most surfaces when spilt. It may be scraped off after softening with hot water and removed with a high pressure water jet.

7. Handling and storage

Precautions for Safe Handling	Avoid exposure. Use only in a well ventilated area. Keep containers tightly closed. Prevent the build up of dusts, mists or vapours in the work atmosphere. Do not use near ignition sources. Do not pressurise, cut, heat or weld containers as they may contain hazardous residues. Maintain high standards of personal hygiene i.e. Washing hands prior to eating, drinking, smoking or using toilet facilities.
Conditions for safe storage, including any incompatibilities	Store in a cool, dry, well-ventilated area, out of direct sunlight, away from heat and ignition sources. Protect from freezing. Keep containers closed when not in use, securely sealed and protected against physical damage. Inspect regularly for deficiencies such as damage or leaks. Have appropriate fire extinguishers available in and near the storage area. Take precautions against static electricity discharges. Use proper grounding procedures. Ensure that storage conditions comply with applicable local and national regulations.

8. Exposure controls/personal protection

Occupational exposure limit values No exposure value assigned for this specific material by the Safe Work, Australia. However, the available exposure limits for ingredients are listed below:
Safe Work, Australia Exposure Standards:

Substance	TWA		STEL		NOTICES
	ppm	mg/m ³	ppm	mg/m ³	
2-Butoxyethanol	20	96.9	50	242	Sk
Diuron	-	10	-	-	-
Titanium dioxide	-	10	-	-	Inspirable dust
Amorphous silica (fumed silica)	-	2	-	-	Respirable dust

TWA (Time Weighted Average): The average airborne concentration of a particular substance when calculated over a normal eight-hour working day, for a five-day week.

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 workday.

'Sk' Notice: Absorption through the skin may be a significant source of exposure. The exposure standard is invalidated if such contact should occur. Biological Exposure Indices (BEI) from American Conference of Industrial Hygienists (ACGIH) for ingredients are as follows:

Determinant	Sampling Time	Biological Exposure Indices
2-BUTOXYETHANOL [111-76-2]	End of shift	200mg/g creatinine

Butoxyacetic acid (BAA) in urine

Biological Limit Values

Appropriate engineering controls

This substance is hazardous and should be used with a local exhaust ventilation system, drawing vapours away from workers' breathing zone. If the engineering controls are not sufficient to maintain concentrations of vapours/mists below the exposure standards, suitable respiratory protection must be worn.

Respiratory Protection

If engineering controls are not effective in controlling airborne exposure then an approved respirator with a replaceable vapor/ mist filter should be used. Refer to relevant regulations for further information concerning respiratory protective requirements. Reference should be made to Australian Standards AS/NZS 1715, Selection, Use and Maintenance of Respiratory Protective Devices; and AS/NZS 1716, Respiratory Protective Devices, in order to make any necessary changes for individual circumstances.

Eye Protection

Safety glasses with side shields, chemical goggles or full-face shield as appropriate should be used. Final choice of appropriate eye/face protection will vary according to individual circumstances. Eye protection devices should conform to relevant regulations. Eye protection should conform with Australian/New Zealand Standard AS/NZS 1337 - Eye Protectors for Industrial Applications.

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Hand Protection	Wear gloves of impervious material such as laminated film, nitrile, neoprene. Final choice of appropriate gloves will vary according to individual circumstances i.e. methods of handling or according to risk assessments undertaken. Occupational protective gloves should conform to relevant regulations. Reference should be made to AS/NZS 2161.1: Occupational protective gloves - Selection, use and maintenance.
Body Protection	Suitable protective workwear, e.g. cotton overalls buttoned at neck and wrist is recommended. Chemical resistant apron is recommended where large quantities are handled.

9. Physical and chemical properties

Appearance	Viscous liquid, varying colours
Odour	Mild and inoffensive odour.
Decomposition Temperature	Not available
Melting Point	Not available
Boiling Point	100°C (approximate)
Solubility in Water	Completely miscible
Specific Gravity	1.29 (23°C)
pH	Not available
Vapour Pressure	Not available
Vapour Density (Air=1)	Not available
Evaporation Rate	<1
Odour Threshold	Not available
Viscosity	Not available
Partition Coefficient: n-octanol/water	Not available
Flash Point	Not available
Flammability	Non flammable
Auto-Ignition Temperature	Not applicable
Flammable Limits - Lower	Not applicable
Flammable Limits - Upper	Not applicable

10. Stability and reactivity

Reactivity	Reacts with incompatible materials
Chemical Stability	Stable under normal conditions of storage and handling.
Conditions to Avoid	Extremes of temperature, open flames and other sources of ignition.
Incompatible Materials	Strong oxidizing agents, strong acids.
Hazardous Decomposition Products	Thermal decomposition may result in the release of toxic and/or irritating fumes, smoke and gases including: acrylic monomers, compounds of barium and boron, carbon monoxide, carbon dioxide, oxides of nitrogen.
Hazardous Polymerization	Will not occur.

11. Toxicological Information

Toxicology Information	No toxicity data available for this material. The available acute toxicity data for the ingredients, is given below.
Acute Toxicity - Oral	For 2-Butoxyethanol:

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Acute Toxicity - Dermal	LD50 (rat): 250-917 mg/kg For Barium Metaborate: LD50 (rat): 3,800 mg/kg LD50 (mouse): 640 mg/kg
Acute Toxicity - Inhalation	For 2-Butoxyethanol: LD50 (rabbit): 220 mg/kg
Ingestion	For 2-Butoxyethanol: LC50 (rat): 450 ppm/4h
Inhalation	Ingestion of this product may irritate the gastric tract causing nausea and vomiting.
Skin	Inhalation of product vapours may cause irritation of the nose, throat and respiratory system. Prolonged inhalation of vapours may lead to adverse effects on the central nervous system.
Eye	Causes mild skin irritation. Skin contact will cause redness, itching and swelling. Repeated exposure may cause skin dryness and cracking and may lead to dermatitis.
Respiratory sensitisation	For 2-Butoxyethanol: SKIN (Rabbit): Mild irritant
Skin Sensitisation	Causes serious eye irritation. On eye contact this product will cause tearing, stinging, blurred vision, and redness.
Germ cell mutagenicity	For 2-Butoxyethanol: EYES (Rabbit): Severe/moderate irritant
Carcinogenicity	Not expected to be a respiratory sensitiser.
Reproductive Toxicity	Not expected to be a skin sensitiser.
STOT-single exposure	Not considered to be a mutagenic hazard.
STOT-repeated exposure	Not considered to be a carcinogenic hazard.
Aspiration Hazard	Titanium dioxide is listed as a Group 2B: Possibly carcinogenic to humans according to International Agency for Research on Cancer (IARC). 2-Butoxyethanol and Silica, amorphous (7631-86-9) have been classified as a group 3 carcinogen by the IARC (International Agency for Research on Cancer). Group 3 - Not classifiable as to its carcinogenicity to humans.

12. Ecological information

Ecotoxicity	Harmful to aquatic life with long lasting effects.
Persistence and degradability	Not available
Mobility	Not available
Bioaccumulative Potential	Not available
Other Adverse Effects	Not available
Environmental Protection	Prevent this material entering waterways, drains and sewers.

13. Disposal considerations

Disposal Considerations	Dispose of waste according to applicable local and national regulations. Do not allow into drains or watercourses or dispose of where ground or surface waters may be affected. Wastes including emptied containers are controlled wastes and should be disposed of in accordance with all applicable local and national regulations.
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14. Transport information

Transport Information Road and Rail Transport:
Not classified as Dangerous Goods according to the Australian Code for the Transport of Dangerous Goods by Road and Rail. (7th edition)
Air Transport (ICAO/IATA):
Not classified as Dangerous Goods by the criteria of the International Air Transport Association (IATA) Dangerous Goods Regulations for transport by air.

IMDG Marine pollutant Marine Transport (IMO/IMDG):
Not classified as Dangerous Goods by the criteria of the International Maritime Dangerous Goods Code (IMDG Code) for transport by sea.
No

15. Regulatory information

Regulatory Information Classified as Hazardous according to the Globally Harmonised System of Classification and labelling of Chemicals (GHS) including Work, Health and Safety regulations, Australia.
Not classified as a Scheduled Poison according to the Standard for the Uniform Scheduling of Medicines and Poisons (SUSMP)

Poisons Schedule Not Scheduled

AICS (Australia) All components of this product are listed on the Inventory or exempted.

16. Other Information

Date of preparation or last revision of SDS SDS Reviewed: June 2014
Supersedes: September 2009

Literature References Preparation of Safety Data Sheets for Hazardous Chemicals Code of Practice.
Standard for the Uniform Scheduling of Medicines and Poisons.
Australian Code for the Transport of Dangerous Goods by Road & Rail.
Model Work Health and Safety Regulations, Schedule 10: Prohibited carcinogens, restricted carcinogens and restricted hazardous chemicals.
Workplace exposure standards for airborne contaminants, Safe work Australia.
American Conference of Industrial Hygienists (ACGIH).
Globally Harmonised System of classification and labelling of chemicals.

Contact Person/Point Technical Support: 1800 812 864
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