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| Infosafe No™ LPYAU | Issue Date : May 2014 | ISSUED by PARCHEMC |
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Product Name : **CONLIPT PATCH GREY OR WHITE**

Classified as hazardous

1. Identification

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| GHS Product Identifier | CONLIPT PATCH GREY OR WHITE |
| 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 | Concrete patch repair for precast and tilt panels. |
| 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

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| 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>Classification: Eye Damage/Irritation: Category 1 Skin Corrosion/Irritation: Category 2 STOT Single Exposure Category 3 (respiratory tract irritation)</p> |
| Signal Word (s) | Danger |
| Hazard Statement (s) | H315 Causes skin irritation. H318 Causes serious eye damage. H335 May cause respiratory irritation. |
| Pictogram (s) | Corrosion, Exclamation mark |
| |   |
| Precautionary statement – Prevention | P261 Avoid breathing dust. P264 Wash contaminated skin thoroughly after handling. P271 Use only outdoors or in a well-ventilated area. P280 Wear protective gloves/protective clothing/eye protection/face protection. |
| Precautionary statement – Response | P302+P352 IF ON SKIN: Wash with plenty of soap and water. P304+P340 IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing. P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. P310 Immediately call a POISON CENTER or doctor/physician. |

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Precautionary statement – Storage
Precautionary statement – Disposal

P332+P313 If skin irritation occurs: Get medical advice/attention.
P362 Take off contaminated clothing and wash before reuse.
P405 Store locked up.

P501 Dispose of contents/container to an approved waste disposal plant.

3. Composition/information on ingredients

Composition, information on ingredients Product contains traces of chromium (VI). May produce an allergic reaction

| Ingredients | Name | CAS | Proportion |
|-------------|------------------------|------------|------------|
| | Portland cement | 65997-15-1 | 30-60 % |
| | Crystalline silica | 14808-60-7 | <5 % |
| | Calcium oxide (CaO) | 1305-78-8 | <5 % |
| | Ingredients determined | | Balance |
| | not to be hazardous. | | |

4. First-aid measures

Inhalation If inhaled, remove affected person from contaminated area. Apply artificial respiration if not breathing. 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 until advised to stop by the Poisons Information Centre or a doctor, or for at least 15 minutes. Seek immediate 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 appropriate fire extinguisher for surrounding environment.

Hazards from Combustion Products Under fire conditions this product may emit toxic and/or irritating fumes and gases.

Specific hazards arising from the chemical This product is non combustible. However heating can cause expansion or decomposition leading to violent rupture of containers.

Decomposition Temp. Not available

Precautions in connection with Fire Fire fighters should wear Self-Contained Breathing Apparatus (SCBA) operated in positive pressure mode and full protective clothing to prevent exposure to vapours or fumes. Water spray may be used to cool down heat-exposed containers.

6. Accidental release measures

Personal precautions, protective equipment and emergency procedures Increase ventilation. Evacuate all unprotected personnel. Wear sufficient respiratory protection and full protective clothing to prevent exposure. Sweep up material avoiding dust generation or dampen spilled material with water to avoid airborne dust, then transfer material to a suitable container. Wash surfaces well with soap and water. Seal all wastes in labelled plastic 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 accordance with local regulations.

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7. Handling and storage

Precautions for Safe Handling Use only in a well ventilated area. Keep containers sealed when not in use. Prevent the build up of dust in the work atmosphere. Avoid inhalation of dust, and skin or eye contact. 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 and moisture. Store in labelled, corrosion-resistant containers. Keep containers tightly closed. Store away from acids, water and other incompatible materials. Have appropriate fire extinguishers available in and near the storage area. 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 material by 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 | |
| Portland Cement | - | 10 | - | - | - |
| Quartz (crystalline silica) | - | 0.1 | - | - | - |
| Dust, not otherwise specified | - | 10 | - | - | - |

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.

Biological Limit Values No biological limit allocated.

Appropriate engineering controls Provide sufficient ventilation to keep airborne levels below the exposure limits. Where dusts are generated, particularly in enclosed areas, and natural ventilation is inadequate, a local exhaust ventilation system is required.

Respiratory Protection If engineering controls are not effective in controlling airborne exposure then an approved respirator with a replaceable dust/particulate filter should be used. Reference should be made to Australian/New Zealand 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, goggles or full-face shield as appropriate should be used. Final choice of appropriate eye/face protection will vary according to individual circumstances i.e. methods of handling or engineering controls and according to risk assessments undertaken. Eye protection should conform with Australian/New Zealand Standard AS/NZS 1337 - Eye Protectors for Industrial Applications.

Hand Protection Wear gloves of impervious material. Final choice of appropriate gloves will vary according to individual circumstances i.e. methods of handling or according to risk assessments undertaken. Reference should be made to AS/NZS 2161.1: Occupational protective gloves - Selection, use and maintenance.

Body Protection Suitable protective work wear, 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 Powder

Colour Grey or white

Odour Not available

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| Decomposition Temperature | Not available |
| Melting Point | Not available |
| Boiling Point | Not applicable |
| Solubility in Water | Insoluble, but reacts slowly with water to cure. |
| Specific Gravity | 0.60 (23°C) |
| pH | Not available |
| Vapour Pressure | Not applicable |
| Vapour Density (Air=1) | Not applicable |
| Evaporation Rate | Not available |
| Odour Threshold | Not available |
| Viscosity | Not available |
| Partition Coefficient: n-octanol/water | Not available |
| Flash Point | Not applicable |
| Flammability | Non-combustible |
| Auto-Ignition Temperature | Not applicable |
| Explosion Limit - Upper | Not available |
| Explosion Limit - Lower | Not available |

10. Stability and reactivity

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| Reactivity | Reacts with incompatible material. |
| Chemical Stability | Stable under normal conditions of storage and handling. |
| Conditions to Avoid | Extremes of temperature, moisture, dust accumulation and direct sunlight. |
| Incompatible Materials | Oxidising agents. Contact with water should be avoided. Wet portland cement is alkaline. As such, it is incompatible with acids, ammonium salts and aluminium. |
| Hazardous Decomposition Products | Thermal decomposition may result in the release of toxic and/or irritating fumes and gases. |
| Possibility of hazardous reactions | Contact with water will result in hydration producing (caustic) calcium hydroxide. |
| Hazardous Polymerization | Will not occur. |

11. Toxicological Information

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| Toxicology Information | No toxicity data available for this product. |
| Ingestion | Ingestion of this product may irritate the gastric tract causing nausea and vomiting. May cause burns in the gastric tract. |
| Inhalation | May cause respiratory irritation. Inhalation of product dust can cause irritation of the nose, throat and respiratory system |
| Skin | Causes skin irritation. Skin contact will cause redness, itching and swelling. Repeated exposure may cause skin dryness and cracking and may lead to dermatitis. |
| Eye | Causes serious eye damage. Eye contact will cause stinging, blurring, tearing, severe pain and possible burns, necrosis, permanent damage and blindness. |
| Respiratory sensitisation | Not expected to be a respiratory sensitiser. |
| Skin Sensitisation | Not expected to be a skin sensitiser. |

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| Germ cell mutagenicity | Not considered to be a mutagenic hazard. |
| Carcinogenicity | Not considered to be a carcinogenic hazard. Crystalline Silica (respirable size $\leq 7 \mu\text{m}$) has been classified by the International Agency for Research on Cancer (IARC) as Carcinogenic to Humans (Group 1). |
| Reproductive Toxicity | Not considered to be toxic to reproduction. |
| STOT-single exposure | May cause respiratory irritation. |
| STOT-repeated exposure | Not expected to cause toxicity to a specific target organ. |
| Aspiration Hazard | Not expected to be an aspiration hazard. |
| Other Information | Repeated exposure to respirable crystalline silica dust may lead to silicosis, or other serious delayed lung injury. The onset of silicosis is usually slow and lung damage may occur even when no symptoms or signs of ill-health have occurred. Silicosis can develop to a more serious degree even after exposure has ceased, and may also lead to other diseases including heart disease and scleroderma. Exposure by inhalation may aggravate pre-existing upper respiratory and lung disorders such as bronchitis, emphysema and asthma. 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. |

12. Ecological information

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| Ecotoxicity | Product may raise pH if it enters waterways. |
| Persistence and degradability | Not available |
| Mobility | Not available |
| Bioaccumulative Potential | Not available |
| Environmental Protection | Prevent this material entering waterways, drains and sewers. |

13. Disposal considerations

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| Disposal Considerations | The disposal of the spilled or waste material must be done in accordance with applicable local and national regulations. |
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14. Transport information

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| Transport Information | <p>Road and Rail Transport (ADG Code): Not classified as Dangerous Goods according to the Australian Code for the Transport of Dangerous Goods by Road and Rail (ADG Code) (7th edition).</p> <p>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.</p> <p>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.</p> |
| IMDG Marine pollutant | No |

15. Regulatory information

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| 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 |
| Poisons Schedule | Not classified as a Scheduled Poison according to the Standard for the Uniform Scheduling of Medicines and Poisons (SUSMP). Not Scheduled |

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

16. Other Information**Date of preparation** SDS Reviewed: May 2014**or last revision of SDS** Supersedes: July 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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