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MATERIAL SAFETY DATA SHEET

MSDS 718

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1. Product and Company Identification

- 1.1 PRODUCT NAME:** THERMEXX PREMIX M4
- 1.2 USE OF PRODUCT** For use with Admix plaster.
- 1.3 SUPPLIER:** Equus Industries Ltd
Sheffield Street
Riverlands Industrial Estate
Blenheim, Marlborough, New Zealand
Telephone: +64 3 578 0214
Fax: +64 3 578 0919
- 1.4 EMERGENCY CONTACT:** **National Poison Centre**
Telephone: 0800 764 766

Information about Safety Data Sheet: Telephone: +64 3 578 0214 8:00am – 6:00pm Mon - Fri

2. Hazards Identification

- 2.1 Classification:**
Dangerous Goods – classification according to New Zealand Dangerous Goods Code.
- 2.2 Risk/Safety Phrases:**
R20,21,34,36,37,38,41,43
S2,22,24,25,26,28,36,37,39

The full text of each R & S phrases is listed in Section 16.

3. Composition/Information on Ingredients

3.1 Chemical Characterization (Preparation):

This product is a preparation.

3.2 Hazardous Ingredients:

CAS NO.	COMPONENT	CONCENTRATION %	CLASSIFICATION
65997-15-1	Cement	30-60%	R20/21/34/36/37/38/41/43

- 3.3** Only ingredients, additives and impurities which are classified and contribute to the classification of the product are included in this section.



4. First Aid Measures

- 4.1 After Inhalation:**
Mainly from respirable dust. Remove to fresh air. If breathing difficulty persists seek medical attention.
- 4.2 After Skin Contact:**
Wash contacted area thoroughly with soap and plenty of water. Seek medical attention if rash or irritation develops.
- 4.3 After Eye Contact:**
While holding eyelids open, gently flood with plenty of fresh water for 15 minutes then seek medical attention immediately. Only skilled personnel should undertake the removal of contact lenses after an eye injury.
- 4.4 After Ingestion:**
Not normally a route of injury. Do not induce vomiting. Wash mouth with plenty of water and seek medical attention immediately.
- 4.5 Advice to Doctor:**
Treat symptomatically.

5. Fire Fighting Measures

- 5.1 Suitable Extinguishing Media:**
Use extinguishing media suitable for surrounding fire.
- 5.2 Protective Equipment:**
Use accepted fire fighting techniques. Wear full fire fighting protective clothing, including self contained breathing apparatus (SCBA).
- 5.3 Specific Hazards:**
This product will not burn.
- 5.4 Combustion Products:**
Not applicable.
- 5.5 Precaution in Connection with Fire:**
Not applicable.

6. Accidental Release Measures

- 6.1 Preliminary Action and Precautions:**
- 6.1.1** Wear appropriate protective equipment to protect eyes, skin and to avoid inhalation of dust.
- 6.1.2** Avoid spill/leak from entering sewers, storm water drains and open bodies of water.
- 6.1.3** Avoid dust generation.
- 6.1.4** Collect spilled material by sweeping or vacuuming.



6.1.5 Place in suitable, closable container for recycling or disposal.

7. Handling and Storage

7.1 Handling:

7.1.1 Ensure adequate ventilation at all times. Especially when mixing.

7.1.2 Avoid contact with eyes, skin and clothing.

7.1.3 Avoid dust generation and inhaling dust.

7.1.4 Wash hands thoroughly after handling. Especially before eating, drinking, smoking or using the toilet.

7.1.5 Wear suitable protective clothing, gloves and eye/face protection.

7.1.6 Use barrier cream to protect skin from contact with the material.

7.1.7 Use adequate personal protective equipment and observe precautions pertaining to use in confined spaces and poor ventilation.

7.2 Storage:

7.2.1 Store in a cool, dry area.

7.2.2 Store undercover and away from moisture.

7.2.3 Store away from oxidizing agents, acids and alkalis.

8. Exposure Controls and Personal Protection Equipment

8.1 Exposure Limits:

Dust (NOS) TLV/TWA (ACGIH): 10mg/m³ (as inspirable dust)

8.2 Exposure Controls:

8.2.1 Exposure Controls in the Work Place:

Use only in a well ventilated area or use local exhaust ventilation. Avoid generating and inhaling dust. Keep exposure to dust as low as possible.

8.2.2 Personal Protection Equipment:

Respiratory Protection -Use a dust mask or wear appropriate, properly fitted NIOSH/MSHA, approved respirator when airborne contaminant level(s) are expected to exceed exposure limits indicated on the MSDS.

Hand Protection – Wear nitrile or PVC gloves.

Eye Protection – Wear chemical splash goggles or glasses with side shields. Must be worn when possibility exists for eye contact due to splashing or generation of airborne particles/dust.



8.2.3 Additional Remarks:

Use barrier creams to protect skin from contact with the material. Wash hands before smoking, eating, drinking or using the toilet and after finishing work. Observe the usual precautions when handling chemicals.

9. Physical and Chemical Properties

9.1 General Information:

Physical State/Form	Powder
Colour	Grey
Odour	None
Water Solubility/Miscibility	Insoluble
pH	>11 (1:1 soln)
Boiling Point	Not applicable
Freezing Point	Not applicable
Vapour Pressure	Not applicable
Vapour Density	Not applicable
Specific Gravity	ca. 2.0
Flash Point	Not applicable
Flammability Limits	Not applicable

10. Stability and Reaction

10.1 General Information:

This material is stable when properly handled and stored. No hazardous reactions are known.

10.2 Conditions to Avoid:

None known.

10.3 Material to Avoid:

Strong oxidizing agents, acids, alkalis and moisture.

10.4 Hazardous Decomposition Products:

None expected when material properly handled and stored. Thermal decomposition see section 5.

11. Toxicological Information

11.1 General Information:

No toxicity data is available for this product.

11.2 Skin Contact:

Slight irritant and may cause dermatitis. In the presence of moisture such as perspiration it can dry the skin and cause alkali burns.

11.3 Eye Contact:

The dust is abrasive and irritating to the eyes and may be capable of causing corneal scarring or other corneal damage.

11.4 Ingestion:

Ingestion can result in irritation and burns to mouth and stomach.



11.5 Inhalation:

The dust is harmful and irritating to the upper respiratory tract and lungs. The material presents a hazard from repeated exposures over long periods.

11.6 Chronic Effects:

Over exposure to respirable dust may cause coughing, wheezing, difficulty in breathing and impaired pulmonary function. Chronic symptoms include decreased vital lung capacity and chest infections. Chronic exposure may cause silicosis, a disabling form pneumoconiosis, which leads to fibrosis. May produce alkali burns on the skin or an allergic skin reaction potentially associated with soluble hexavalent chromium found in cement.

12. Ecological Information

12.1 Environment Protection:

Prevent from entering sewers, drains and waterways.

12.2 Ecotoxicity:

Data not available.

12.3 Persistence and degradability:

Data not available.

12.4 Bioaccumulative Potential:

Data not available.

13. Disposal Consideration

13.1 Material

Non contaminated material can be re-used. Hardens after contact with water, hardened material can be disposed of as construction and demolition waste – concrete. Dispose of at a permitted facility in accordance with local/national regulation.

13.2 Contaminated Packaging:

Contaminated packaging must be emptied of all residues and can be recycled following appropriate cleaning. Avoid dust formation. Uncleaned packaging must be disposed of in accordance with local regulations.

14. Transport Information

14.1 Land Transport:

Road: Not regulated (not dangerous for transport)

Rail: Not regulated (not dangerous for transport)

14.2 Sea Transport: Not regulated (not dangerous for transport)

14.3 Air Transport: Not regulated (not dangerous for transport)

14.4 Postal and Courier Service: Can be transported.



15. Regulatory Information

This product is hazardous.

16. Other Information

16.1 Full Text of R-Phrases Contained in Section 2:

R20/21	Harmful by inhalation and in contact with skin
R34	Causes burns
R36/37/38	Irritating to eyes, respiratory system and skin
R41	Risk of serious damage to eyes
R43	May cause sensitization by skin contact

6.2 Full Text of S-Phrases Contained in Section 2:

S2	Keep out of the reach of children
S22	Do not breathe dust
S24/25	Avoid contact with skin and eyes
S26	In case of contact with eyes, rinse immediately with plenty of water and seek medical advice
S28	After contact with skin, wash with plenty of soap and water
S36/37/39	Wear suitable protective clothing, gloves and eye/face protection

16.3 The information contained in this Data Sheet relates only to the specific material identified. Equus Industries Ltd believes the information to be accurate and reliable as at the date of this Data Sheet. No Warranty, Guarantee or representation is expressed or implied by the Company as to the absolute correctness or completeness of any representation contained in this Data and assumes no legal responsibility in connection therewith. It can not be assumed that all acceptable safety measures are contained in this Data Sheet, or that additional measures may not be required under particular or exceptional circumstances or conditions.