

**1. Product and Company Identification**

- 1.1 **PRODUCT NAME:** THERMEXX PREMIX M1  
THERMEXX PREMIX M14
- 1.2 **USE OF PRODUCT** For mixing with Thermexx Binder to produce Thermexx finishing plasters.
- 1.3 **SUPPLIER:** Equus Industries Ltd  
Sheffield Street  
Riverlands Industrial Estate  
Blenheim, Marlborough, New Zealand  
Telephone: +64 3 578 0214  
Email: admin@equus.co.nz
- 1.4 **EMERGENCY CONTACT:** **National Poison Centre**  
**Telephone: 0800 764 766**
- 1.5 **Date of Preparation:** 10 April 2021

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

**2. Hazards Identification**

- 2.1 **HSNO Status:**  
Classified as hazardous according to New Zealand Hazardous Substances (minimum degrees of hazard) Regulations 2017.
- 2.2 **DG Status:**  
Not classified as Dangerous Goods under NZ:5433:2012  
Transport of Dangerous Goods on Land
- 2.3 **Hazard Classification:**

2.3.1

Class	GHS Category
Eye Damage	Cat 1
Skin Irritation	Cat 2
STOT . SE	Cat 3

- 2.3.2 **HSNO Category**  
8.3A  
6.3A  
6.9 (Respiratory)

- 2.4 **CHS Pictograms & Signal Word:**



Danger

**2.5 Hazard Statements:**

H315 Causes skin irritation.  
 H318 Causes serious eye damage.  
 H335 May cause respiratory irritation.

**2.6 Prevention Statements:**

P202 Do not handle until all safety precautions have been read and understood.  
 P261 Avoid breathing dust.  
 P264 Wash hands and exposed skin thoroughly after handling.  
 P271 Use only outdoors or in a well-ventilated area.  
 P280 Wear protective gloves /eye protection/face protection.

**2.7 Response Statements:**

P302 + P352 IF ON SKIN: Wash with plenty of soap and water.  
 P332 + P313 If skin irritation occurs: Get medical advice/ attention.  
 P362 Take off contaminated clothing and wash before re-use.  
 P304 + P340 IF INHALED: Remove to fresh air and keep at rest in a position comfortable for breathing.  
 P312 Call a POISON CENTER or doctor/physician if you feel unwell.  
 P101 If medical advice is needed, have product container or label at hand.  
 P305 + P351+ P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

**2.8 Storage Statements:**

P405 Store locked up.

**3. Composition/Information on Ingredients****3.1 Chemical Characterization (Mixture):**

Description: Cement – sand - mixture.

**3.2 Hazardous Ingredients:**

CAS NO.	COMPONENT	CONCENTRATION (%Weight)
65997-15-1	Cement	40%
14305-60-7	Silica (as graded sand)	60%

**4. First Aid Measures****4.1 After Inhalation:**

Remove person to fresh air. If breathing is difficult keep person at rest in a comfortable position for breathing. Administer oxygen if required and get immediate medical assistance. If respiratory symptoms such as coughing and feeling unwell does not subside call doctor or Poisons Centre.

**4.2 After Skin Contact:**

Remove contaminated clothing and flush skin with plenty of water and wash with soap. If skin irritation or rash develops get medical advice. Wash contaminated clothing before re-use.

**4.3 After Eye Contact:**

Cautiously rinse for several minutes with water, holding eyelids open. Remove contact lenses if present and easy to do so after the first 5 minutes. Continue rinsing/or at least 15 minutes ensuring the removal of all particles from under eyelids. Immediately call doctor for advice.

**4.4 After Ingestion:**

Rinse mouth out with water. Give water to drink. DO NOT induce vomiting. Call doctor for advice or call Poisons Centre.

**5. Fire Fighting Measures****5.1 Suitable Extinguishing Media:**

Use extinguishing media appropriate for surrounding fire.

**5.2 Protective Equipment:**

Wear self contained breathing apparatus and protective suit.

**5.3 Specific Hazards:**

Not known for product.

**5.4 Combustion Products:**

Toxic Gases (Not Specified)

**6. Accidental Release Measures**

**6.1** Wear appropriate personal protective equipment- protective clothing, gloves, eye protection, mask with particulate filter.

**6.2** Collect spill, preferably in dry state and place in sealable containers for reuse or disposal.

**6.3** Avoid generating dust.

**6.4** Prevent spill from entering drains or waterways.

**7. Handling and Storage**

**7.1 Handling:**

**7.1.1** Keep out of reach of children.

**7.1.2** Store locked up in a cool dry, well ventilated area away from any sources of moisture, oxidising agents, acids, ethanol, interhalogen compounds, and food stuffs.

**7.2 Storage:**

**7.2.1** Use safe working practices to avoid contact with eyes and skin, and inhalation.

**7.2.2** Observe good personal hygiene including washing hands, before rest or meal breaks and visiting the toilet.

**7.2.3** Prohibit eating, drinking and smoking in the work area in contaminated areas.

**7.2.4** Keep product sealed when not in use, during transporting or when transferring onsite.

**8. Exposure Controls and Personal Protection Equipment**

**8.1 Exposure Limits:**

Chemical Name	Cas No'	Regulation	Limit
Portland Cement	65997-15-1	WES/TWA	10mg/m <sup>3</sup>
Silica	14808-60-7	WES/TWA	0.2mg/m <sup>3</sup> /Respirable dust

**8.2 Exposure Controls:**

**8.2.1 Engineering Controls:**

In areas of inadequate ventilation where a dust inhalation hazard exists, mechanical extraction ventilation must be used (with a suitable dust trap filter) to maintain the environment below Workplace Exposure Standard.

**8.2.2 Personal Protection Equipment:**

Respiratory Protection – Class P1 (particulate) filter mask (minimum)

Hand Protection – Protective Gloves. (Rubber or PVC).

Eye Protection – Dust proof goggles.

Body Protection - Use suitable protective work clothing.

## 9. Physical and Chemical Properties

### 9.1 Information on basic physical and chemical properties:

<b>Appearance:</b>	Coarse Powder
<b>Colour:</b>	Grey
<b>Odour:</b>	Like cement
<b>Odour Threshold:</b>	Not available
<b>pH:</b>	Approx. 12
<b>Melting / Freezing Point:</b>	~1,350°C
<b>Initial boiling point and boiling range:</b>	Not applicable.
<b>Flash Point:</b>	Not applicable
<b>Evaporation rate:</b>	Not applicable
<b>Flammability (soil, gas):</b>	Not applicable.
<b>Upper/lower flammability or explosive limits:</b>	Not applicable
<b>Vapour pressure:</b>	Not applicable
<b>Vapour density:</b>	Not applicable.
<b>Bulk Density:</b>	approx. 1900kg/m <sup>3</sup>
<b>Water solubility (ies):</b>	Slight
<b>Water solubility of ingredients:</b>	(0.04-0.4%)
<b>Partition coefficient: n-octanol/water:</b>	No data available
<b>Auto-ignition temperature:</b>	Not applicable.
<b>Decomposition temperature:</b>	No data available
<b>Viscosity:</b>	No applicable

## 10. Stability and Reaction

### 10.1 Stability of Substance:

Stable under normal handling and storage conditions.

### 10.2 Conditions to Avoid:

Water contact may increase product temperatures 2-3°C.

### 10.3 Materials to Avoid:

Oxidising agents, ethanol, inorganic acids, interhalogen compounds and aluminum.

### 10.4 Hazardous Decomposition Products:

May produce toxic gases if heated to decomposition.

## 11. Toxicological Information

### 11.1 General Information:

This product potentially can cause acute and chronic health effects with over-exposure. It is alkaline so corrosive to skin and eyes when exposed to moisture (perspiration or mixed with water).

### 11.2 Acute Toxicity:

- No LD/LC50 values available for this product.

### 11.3 Skin Contact:

Corrosive when in contact with moisture. (Perspiration or water). Prolonged and repeated contact with powder or mixed form may result in skin rash and the possibility of developing dermatitis.

### 11.4 Eye Contact:

Product is corrosive. Contact with airborne powder/dust will be severely irritating. Exposure to larger amounts or wet product may cause severe eye injury with possible permanent damage.

### 11.5 Ingestion:

May result in burns to the mouth and throat accompanied by vomiting and abdominal pain.

**11.6 Inhalation:**

Over exposed to airborne powder/dust may result in severe mucous membrane irritation and bronchitis. Pre existing respiratory conditions may be aggravated.

**12. Ecological Information**

**12.1 General Information:**

This product, once used for the intended purpose and hardened, presents little or no toxicity, persistence or bioaccumulative risks.

**12.2 Aquatic toxicity:**

Product contains a percentage of cement, which is highly alkaline so any spillage into the aquatic environment would potentially have a negative impact on aquatic life.

**12.3 Persistence and degradability:**

No data available.

**12.4 Bioaccumulative Potential:**

No data available.

**12.5 Mobility in Soil:**

No information available.

**12.6 Other adverse effects:**

No information available.

**13. Disposal Consideration**

**13.1** Do not dispose of into sewage systems or storm water systems.

**13.2** Reuse dry, uncontaminated product where possible. Allow slurries to harden and dispose of as non-hazardous waste or, ensure product is covered with moist soil/sand to prevent dust generation, and dispose of to an approved landfill site.

**13.4** Dispose of empty packaging to landfill according to requirements of national/local regulations.

**14. Transport Information**

**14.1 Land Transport:**

Not regulated under NZS 5433 for land transport.

**14.3 Air Transport: (ICAO-IATA)** Not regulated.

**14.4 Sea Transport: (IMDC)** Can be transported.

**15. Regulatory Information**

**15.1 HSNO Approved Code:** HSR 002544

**HSNO Group Standard:** Construction Products (Subsidiary Hazard) 2017

**15.2 HSNO Controls:**

Approved Handler: Not required.

**16. Other Information****16.1 Hazard Classifications:**

- 6.3A** Substances that are irritating to the skin.
- 6.5B** Substances that are contact sensitizers.
- 6.9** (Respiratory) Substances that are harmful to the respiratory system.
- 8.3A** Substance that are corrosive to ocular tissue.
- 9.1D** Substances that are slightly harmful to the aquatic environment or are otherwise designed for biocidal action.

**16.2 Abbreviations/Terminology:**

HSNO	Hazardous substances and New Organisms Act
CAS	Chemical Abstract Service
LD50, LC50	Lethal dose/Lethal Concentration – Dose or concentration required to produce the specified effect in 50% of the sample studied.
WES	Workplace Exposure Standard (NZ Department of Business, Innovation and Employment)
TWA	Time weighted average exposure level designed to protect from the effects of long-term exposure.

**16.3 Issue Information:**

<b>Date of Preparation:</b>	<b>10 April 2021</b>
<b>Reasons:</b>	<b>Update to new format</b>
<b>Replaces:</b>	<b>17 June 2016</b>

- 16.4** 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.