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MATERIAL SAFETY DATA SHEET

MSDS 971

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1. Product and Company Identification

- 1.1 PRODUCT NAME:** SOLOPLAN-30
- 1.2 USE OF PRODUCT** Self Levelling Underlayment for External and Internal Areas
- 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:**
Xi Irritant – this classification in line with EC Lists
- 2.2 Risk/Safety Phrases:**
R38, R41
S2, S24/25, S26, S36/37/39
The full text of each Risk and Safety phrases are listed in Section 16.

3. Composition/Information on Ingredients

3.1 Chemical Characterization :

Description

The product contains no chromate (V1) (TRGS 613)

3.2 Hazardous Ingredients:

CAS NO.	COMPONENT	CONCENTRATION %	CLASSIFICATION
65997-15.1	Portland Cement	10 – 25%	R38 – 41



- 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. Rinse mouth with plenty of water. Do not give anything to drink. 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 mechanically avoiding dust formation.
- 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 Do not keep food and drink in the work area.
- 7.1.6 Wear suitable protective clothing, gloves and eye/face protection.
- 7.1.7 Use barrier cream to protect skin from contact with the material.
- 7.1.8 Use adequate personal protective equipment and observe precautions pertaining to use in confined spaces and poor ventilation.

7.2 Storage:

- 7.2.1 Store undercover in a cool location protected from high humidity and keep away from water.
- 7.2.2 Do not store in open containers.
- 7.2.3 Keep away from children.

8. Exposure Controls and Personal Protection Equipment

8.1 Exposure Limits:

Portland Cement: WEL Long term value 10 mg/m³ (inhalable dust)
WEL Long term value 4 mg/m³ (resirable 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 limits indicated on the MSDS, especially in areas of insufficient ventilation.
- Hand Protection - Wear nitrile or Rubber gloves.
The selection of suitable gloves does not only depend upon the material, but also on the quality which varies from manufacturer to manufacturer. The exact break through time must be determined from the manufacturer of the protective gloves and then be strictly observed.
- 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.
- Body Protection - Protective work clothing.

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. Do not eat, drink or smoke while working, or store food and drink in the working area. Observe the usual precautions when handling chemicals.

9. Physical and Chemical Properties

9.1 General Information:

Physical State/Form	Powder
Colour	Grey
Odour	Like cement
Water Solubility/Miscibility	Miscible
pH	>11 (1:1 soln)
Boiling Point	Not determined
Melting Point	Not determined
Density at 20°	1.42 (settled apparent)
Flash Point	Not applicable
Self Flammability	Product is not self igniting
Danger of Explosion	Product is not explosive

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 Hazardous Decomposition Products:

No dangerous decomposition products known.



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 product alkali burns on the skin.

12. Ecological Information

12.1 Environment Protection:

Prevent from entering sewers, drains and waterways.

12.2 Ecotoxicity:

Water Hazard class 1 (Self Assessment): slightly hazardous for water.

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. Disposal 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 classified as an irritant.

Risk Phrases: R38, R41

Safety Phrases: S2, S24/25, S26, S36/37/39. See Section 16.

16. Other Information

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

R38 Irritating to skin

R41 Risk of serious damage to eyes

16.2 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

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.