

## MATERIAL SAFETY DATA SHEET

**EARTH BINDER**

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Issued: 01/01/2022

### Not classified as hazardous according to criteria of WorkSafe Australia

#### Identification

Product name:	EARTH BINDER
Other names:	Not allocated
Manufacturer's code:	RPEBR
UN number:	Not allocated
D.G. class:	Not allocated
Subsidiary risk:	Not allocated
Hazchem code:	Not allocated
Poisons schedule no:	Not allocated
Package group:	Not allocated

#### Use

Bonding admixture for earth and cementitious products. Also used as dust binding sealer for both interior and exterior surfaces of earth buildings.

#### Physical properties

Appearance:	White emulsion
Boiling point:	≥100 °C
Vapour pressures (20 °C):	As water
Density (20 °C):	ca. 1.05 g/ml
Flash point:	Not allocated
Flammability limits (%):	Not allocated
Solubility in water:	Miscible

#### Other properties

Autoignition point:	Not allocated
Vapour density (air=1):	Not allocated
pH:	8-9
Viscosity (20 °C):	400cps

#### Ingredients

Chemical entity	CAS number	Proportion
Acrylic copolymer	n/a	>30%
Ammonia	336-21-6	<1%
Water		To 100%

#### Hazard Health Information

**Health Effects:** The adverse health effects of this product as a whole have not been determined. However, normal industrial hygiene measures should be followed when handling.

#### Acute:

**Swallowed:** May cause irritation to mouth, throat and stomach with effects including mucous build up, irritation to the tongue and lips and pains in the stomach.

**Eye:** May cause irritation to the eyes, with effects including: tearing, pain and blurred vision. However, this is anticipated to be of a transient (short acting) nature and no long-term injury is envisaged.

**Skin:** May cause irritation to the skin, with effects including: redness and itchiness.

**Inhaled:** May cause irritation to the nose, throat and respiratory system with effects including: dizziness and headache.

**Chronic:** In some susceptible individuals, defatting, drying and possible dermatitis may occur.

**First Aid:**

**Swallowed:** If swallowed, do not induce vomiting. Immediately give a glass of water. Never give anything by mouth to an unconscious person. Get prompt medical attention.

**Eye:** Flush eyes with large amounts of water for at least 15 minutes. Obtain medical attention.

**Skin:** Wash skin thoroughly. Wash clothing before reuse.

**Inhaled:** Remove affected victim from exposure to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Seek prompt medical advice.

**First Aid Facilities:** Eye washing, safety shower and normal washing facilities are always recommended.

**Advice to Doctor:** Treat symptomatically.

**Precautions For Use**

**Exposure Standards:** There is no data allocated with this product as a whole. However, product contains trace aqueous ammonia solution. The exposure limits for aqueous ammonia solution is 25 ppm (TWA) and 3 ppm (STEL).

**Engineering Controls:** Use with sufficient ventilation. When product is used in an enclosed area, local extraction is recommended.

**Personal Protection:** Wear chemical resistant safety glasses or goggles, impervious rubber gloves and protective clothing. Wear approved respiratory protection (AS1716/1715) if there is a risk of exposure to intensive vapour concentrations. Wash hands after handling.

**Flammability:** The product is a water-based emulsion which is not flammable or combustible under conditions of use.

**Safe Handling Information**

**Storage and Transport:** Store in cool well-ventilated area away from any heat and ignition sources or any oxidizing agents. Store only in closed and original or approved containers preferably under 25°C away from direct sunlight.

**Spills and disposal:** Wear full protective clothing while attending to spills. Extinguish all ignition sources. Prevent entry into drainage systems, sewers and waterways. Dam and collect with inert absorbent material such as sand or earth. Ensure waste disposal conforms to local waste disposal regulations. The product may form a hard film which may be difficult to remove after drying and therefore spills should be removed as soon as possible.

**Fire/Explosion Hazard:** In the event of a fire, shut and remove ignition sources if safe to do so. Use dry powder, sand, and foam and/or carbon dioxide extinguisher. Wear a breathing apparatus, full protective clothing, boots and chemically impervious protective gloves while attending to hazard. Prevent the product from entering drains or waterways. Hazard decomposition products may include carbon oxides.

**Other Information**

**Toxicity data:** No toxicity data allocated. Handle according to the relevant government regulations. Do not introduce large amounts into purification plants, waterways and soil

**Contact Point** For further information please contact Tech-Dry tel: 61 3 9699 8202 (all hours).

**Important Note**

To the best of our knowledge, the information sources for the preparation of this document were correct and complete at the time of writing. The information is therefore subject to possible change from time to time and cannot be guaranteed. This document should be taken as a safety guide for the product and its recommended uses but is in no way an absolute authority. Please consult the relevant legislation and regulations governing the use and storage of this type of product or any material existing within the product. For further information, please contact Tech-Dry Building Protection Systems Pty. Ltd.