

MSDS - Superplasticiser

1. Identification of the substance / preparation / company:

Product is Superplasticiser - admixture for use in concrete mix

Company: Concrete Lab Ltd, C3 Station Approach Industrial Estate, Penarth, CF64 3EE

www.concretelab.co.uk 02920 706385

2. Hazards Identification

Not a hazardous substance or mixture.

Warning: fine dust clouds may form explosive mixtures with air.

There are no ingredients with unknown acute toxicity used in a mixture at a concentration \geq 1%.

3. Ingredients

There are no ingredients present which, within the current knowledge of the supplier and in the concentrations applicable, are classified as hazardous to health or the environment and hence require reporting in this section.

4. Medical Advice

Avoid contact - see handling and storage advice.

Inhalation - If inhaled move to fresh air.

Skin contact - Take off contaminated clothing and shoes immediately. Wash with soap and plenty of water.

Eye contact - Flush eyes with water as a precaution. Remove contact lenses. Keep eye wide open whilst rinsing.

Most important symptoms and effects both acute and delayed - no known significant effects or hazards.

Protection of first aiders: -No hazards which require specialist first aid measures.

Notes for the doctor - Treat symptomatically.

5. Fire Safety

No special hazards noted.

Use extinguishing media suitable for the surrounding fire.

Specific hazards during fire: Fine dust clouds may form explosive mixtures with air.

Collect contaminated fire extinguish water separately. This must not be discharged into drains. Fire residues and contaminated fire extinguishing water must be disposed of in accordance with local regulations. If risk of water pollution occurs from run off, notify appropriate authorities.

Fire Fighting equipment: In the event of fire, wear self contained breathing apparatus.

6. Accidental Release

Take personal precautions - Avoid inhalation of dust and contact with skin and eyes. Use suitable respiratory protection if ventilation is inadequate. Wear protective clothing as described below.

Environmental Precautions - Local authorities should be advised if significant spillages cannot be contained.

Methods for Cleaning Up - Keep in suitable closed containers for disposal.

7. Handling and Storage

Wear protective clothing, goggles and mask as described below (section 8) and avoid spillage at all times.

No special handling advice required.

Follow standard hygiene measures when handling chemical products. Do not eat, drink or smoke whilst using this product.

Keep in original container, and keep container tightly closed in a dry and well ventilated area.

Materials to avoid: no data available.

8. Exposure Controls / Personal Protection:

Contains no substances with occupational exposure limit values.

Avoid breathing dust. Wash hands before breaks and immediately after handling product. Remove contaminated clothing and protective equipment before entering eating areas.

Workplace measures: Use of adequate ventilation should be sufficient to control worker exposure to airborne contaminants. If the use of this product generates dust, fumes, gas, vapour or mist, use process enclosures, local exhaust ventilation or other engineering controls to keep worker exposure below any recommended or statutory limits.

Personal Protective Equipment:

Use a properly fitted NIOSH approved air-purifying or air-fed respirator complying with an approved standard if a risk assessment indicates this is necessary.

The filter class for the respirator must be suitable for the maximum expected contaminant concentration (gas/vapour/aerosol/particulates) that may arise when handling the product. If this concentration is exceeded, self-contained breathing apparatus must be used.

Chemical-resistant, impervious gloves complying with an approved standard should be worn at all times when handling chemical products if a risk assessment indicates this is necessary.

Safety eyewear complying with an approved standard should be used when a risk assessment indicates this is necessary.

9. Physical Properties

Appearance: White powder

Odour; Characteristic

Autoignition Temperature: ca. 734 degrees F (390 degrees C)

pH: ca. 4 at 1000.00g/l 68 degrees F (20 degrees C)

Bulk Density: ca. 600 kg/m³

Note: water soluble

Burning number: 2, VDI 2263-1
Dust explosion class: St1
Maximum explosion pressure: 0.4 bar, DIN EN 14034-1 Pmax
Lower explosion limit: 250g/m³
VOC content content; not applicable.

10. Stability / Reactivity

Stability: There are no stability concerns.

Reactivity: There are no reactivity concerns.

Hazardous reactions: There are no known hazardous reactions under recommended storage conditions. Avoid dust accumulation, keep away from heat, sparks, open flames and hot surfaces.

11. Toxicology

This product is not classified in any toxicity class based on available information.

12. Environment

Do not empty into drains. Dispose of material and container safely according to local regulations.

13. Disposal:

Dispose of as controlled waste at an appropriate site, and to local authority regulations.

14. Transportation:

UN number n/a. Shipping name n/a Hazard class n/a

Transport class / RID label n/a Packaging Group n/a

15. Regulatory Classification:

TSCA List: all chemical substances in this product are either listed on the TSCA inventory or are in compliance with the TSCA inventory.

Further information:

Contact the Concrete Lab Technical Department for further information.

info@concretelab.co.uk 02920 706385

Disclaimer

The physical properties quoted are typical, and should not be taken as a specification. The information supplied in our literature is based on data and experience and is given in good faith. Our policy is one of continuous research and development and we reserve the right to update this information at any time; customers should therefore ensure they have the latest issue. Whilst we guarantee the consistent high quality of our products, we have no control over the circumstances in which our materials are used, site conditions or the execution of the work and are therefore unable to accept any liability for any loss or damage which may arise as a result thereof. Materials are supplied in accordance with our standard conditions of sale.