

MSDS - Flowcrete

Identification of the substance / preparation / company:

Product is Flowcrete - admixture for use in concrete mix

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

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Hazards Identification

Acute Tox. 4 - H302 Skin Corr. 1A - H314 Eye Dam. 1 - H318 STOT SE 3 - H335

H302 Harmful if swallowed.

H314 Causes severe skin burns and eye damage.

H335 May cause respiratory irritation.

P262 Do not get in eyes, on skin, or on clothing.

P260 Do not breathe dust.

Ingredients

Polymer 30-50% - CAS number: 79-41-4 EC number: 201-204-4

Classification:

Acute Tox. 4 - H302

Acute Tox. 4 - H312

Skin Corr. 1A - H314

Eye Dam. 1 - H318

STOT SE 3 - H335

Tartaric Acid L(+) Natural <1% - CAS number: 87-69-4 EC number: 201-766-0 REACH registration number: 01-2119537204-47-0004

Classification:

Eye Dam. 1 - H318

Medical Advice

Symptoms and effects, both acute and delayed:

Inhalation - General respiratory distress, unproductive cough.

Ingestion - May cause discomfort if swallowed. Coughing. Gastrointestinal symptoms, including upset stomach. Due to the physical nature of this product, it is unlikely that ingestion will occur.

Skin contact - Prolonged contact may cause redness, irritation and dry skin.

Eye contact - Dust in the eyes will cause irritation.

Treatment:

Inhalation - Get medical attention if any discomfort continues. Move affected person to fresh air and keep warm and at rest in a position comfortable for breathing.

Ingestion - Seek medical attention in the event of significant ingestion.

Skin contact - Rinse with water. Get medical attention if any discomfort continues.

Eye contact - Remove any contact lenses and open eyelids wide apart. Continue to rinse for at least 15 minutes. Get medical attention immediately. Continue to rinse.

Notes for the doctor - Treat symptomatically.

Fire Safety

No special hazards noted. Use extinguishing media suitable for the surrounding fire. If risk of water pollution occurs from run off, notify appropriate authorities.

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 - No negative effects on the aquatic environment are known.

Methods for Cleaning Up - Do not touch or walk into spilled material. Sweep up and remove for disposal. Residues or small spillages may be flushed away with water.

Handling and Storage

Wear protective clothing and avoid spillage at all times.

Product should not be handled without chemical resistant impervious gloves and goggles. Consider protective apron and boots to avoid skin contact. Avoid inhalation of dust. Handle in a well ventilated area and use a mask.

Store in a cool, dry, dark place, well ventilated and store only in original container. Do not eat, drink or smoke whilst using this product.

Exposure Controls:

Exposure Limits -

Polymer -

Long-term exposure limit (8-hour TWA): WEL 20 ppm 72 mg/m³

Short-term exposure limit (15-minute): WEL 40 ppm 143 mg/m³

Calcium Carbonate -

Long-term exposure limit (8-hour TWA): WEL 4 mg/m³ respirable dust

Long-term exposure limit (8-hour TWA): WEL 10 mg/m³ inhalable dust

Long-term exposure limit (8-hour TWA): WEL 4 mg/m³ respirable dust

Long-term exposure limit (8-hour TWA): WEL 10 mg/m³ inhalable dust

Long-term exposure limit (8-hour TWA): WEL 10 mg/m³ inhalable dust

Long-term exposure limit (8-hour TWA): WEL 4 mg/m³ respirable dust

Copolymer based on vinyl acetate, vinyl versatate and ethylene, with additives

Long-term exposure limit (8-hour TWA): WEL 10 mg/m³ 4 mg/m³ inhalable dust, respirable dust

Defoamer -

Long-term exposure limit (8-hour TWA): WEL 10 mg/m³ 4 mg/m³ dust, respirable dust

Copolymer based on acrylic monomers, with additives

Long-term exposure limit (8-hour TWA): WEL 10 mg/m³ 4 mg/m³ inhalable dust, respirable dust

Diutan Gum -

Long-term exposure limit (8-hour TWA): OES 10 mg/m³ total inhalable dust

Long-term exposure limit (8-hour TWA): ACGIH 10 mg/m³ 3 mg/m³ total inhalable dust, respirable fraction

Long-term exposure limit (8-hour TWA): OSHA 15 mg/m³ 5 mg/m³ total inhalable dust, respirable fraction

Tartaric Acid L(+) Natural -

Long-term exposure limit (8-hour TWA): WEL 10 mg/m³ 4 mg/m³ inhalable fraction, respirable fraction

Take sensible precautions, wear protective clothing and pay attention to hygiene practices.

Physical Properties

Appearance: beige powder Odour: Odourless

Solubility: Insoluble in water

Stability / Reactivity

Stability: There are no stability concerns.

Reactivity: There are no reactivity concerns.

Hazardous reactions: There are no known possible hazardous reactions. No specific material or group of materials needs avoiding.

Decomposition: Product does not decompose when stored and used as recommended.

Toxicology

General information - This product has low toxicity. Only large quantities are likely to have adverse effects on human health.

Inhalation - Dust may irritate the respiratory system.

Ingestion - No harmful effects expected from quantities likely to be ingested by accident.

Skin contact - Skin irritation should not occur when used as recommended.

Eye contact - May cause temporary eye irritation.

Acute and chronic health hazards - No known chronic or acute health risks.

Environment

Low acute toxicity to aquatic organisms. Not considered toxic to fish.

The product is biodegradable. The product does not contain any substances expected to be bioaccumulating. The product is soluble in water. This product does not contain any substances classified as PBT or vPvB.

Disposal:

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

Transportation:

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

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

Regulatory Classification:

National regulations Health and Safety at Work etc. Act 1974 (as amended).

CHIP

The Control of Substances Hazardous to Health Regulations

EU legislation Regulation (EC) No 1272/2008 of the European Parliament and of the Council of 16 December 2008 on classification, labelling and packaging of substances and mixtures (as amended).

Further information:

Contact the Concrete Lab Technical Department for further information.

info@concretelab.co.uk 0845 053 7124

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.