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HEALTH & SAFETY DATA SHEET

Product Name

WBS Pointing Mortar

Composition

- A blend of sand, cement, lime and admixtures.
- The main hazardous ingredients are Calcium Hydroxide, Calcium Silicates and Alkalis.
- When mixed with water, the resulting wet mortar is abrasive and alkaline.

Hazardous Materials Classification

- Inhalation of powder and contact between powder and skin or eyes may cause irritation.
- Contact between powder and body fluids (e.g. sweat and eye fluids) may also cause irritation, dermatitis or burns.
- Contact with wet cement or wet render may cause skin irritation, dermatitis or burns.
  There is a risk of serious damage to eyes.

First Aid

- **Skin contamination** may cause some irritation – Wash with clean water and soap. Launder protective clothing before further use.
- **Eye contamination** will cause severe irritation – Wash eyes immediately with plenty of clean water for at least 15 minutes and seek medical advice without delay.
- **Ingestion** will cause irritation to the mouth and risk of choking – Do not induce vomiting. Wash mouth out with water and drink plenty of water. If irritation persists, seek medical advice.
- **Inhalation** likely to cause a shortness of breath – Move to fresh air. Should breathlessness continue seek medical advice.

Fire Fighting Measures

The product is not flammable and will not burn.

Accidental Release Measures

Clean up procedures

- If material is in powder state, sweep up avoiding the generation of dust.
- If material is a paste, scrape up.
- Avoid contamination of watercourses and drains.
- Dispose of empty sacks or surplus render at a site authorised to accept builders' waste.

Handling & Storage

- When handling this product due regard should be given to the risks outlined in 'Manual Handling Operations Regulations 1992'.
- Appropriate Personal Protective Equipment (PPE) should be worn whilst handling this product.
- The product should be stored in a dry area, preferably on pallets or similar off the ground.
- When opening and mixing, avoid the formation of dust.

Exposure Controls/Personal Protection

Engineering Control Measures

- All areas should be well ventilated/extracted to prevent dust build up.

Occupational Exposure Standards (OES)

- OES – 8 hour Time Weighted Average.
- Total dust – 10.00 mg/m^3.
- Respirable dust – 5.00 mg/m^3.

Respiratory Protection

- Suitable respiratory protection should be worn at all times, particularly if working areas are poorly ventilated.

Hand Protection

- Gloves should be worn when handling bags.

Skin Protection

- Suitable overalls should be worn and all garments are regularly laundered.

Eye Protection

- Use dust proof goggles when handling and using Base Coats.

Physical & Chemical Appearance

- Appearance – Particulate powder.
- Mean Particle Size – 5 micron to 2mm.
- Odour – Slight, non offensive.
- PH – 12-14 when wet.
- Viscosity – N/A
- Freezing Point – N/A.
- Boiling Point – N/A.
- Melting Point – N/A.
- Flash Point – N/A (Not flammable).
- Explosives Properties – N/A (Not explosive)
- Density – Approx. 1200 – 1800 kg/m^3.
- Solubility – Partially soluble in water.

Stability & Reactivity

- The product is stable under most normal storage conditions. Extremes of temperature should generally however be avoided.
- There are no known conditions likely to contribute to the product's reactivity.

Toxicological Information

From our experience and the information available to us, we are not aware that the product carries any harmful risk to health provided that all safety procedures as outlined in the 'Exposure Controls/Personal Protection' section are followed.

Short-term Effects:

Eye Contact:
Cement is a severe eye irritant, and mild exposures can lead to soreness. Untreated exposure and larger exposure can lead to chemical burning and ulceration.

Skin Contact:
Cement powder and wet paste can cause irritation, contact dermatitis, allergic dermatitis (Chromium) and/or cause burns.

Ingestion:
Small amounts are unlikely to cause any significant reaction. Larger dosages may result in irritation of gastro-intestinal tract.

Inhalation:
Cement powder may cause inflammation of the mucous membrane.

Chronic Effects:
Repeated high exposures above the OES have been linked to rhinitis and coughing. Skin exposure, particularly to the wet paste, has been linked to allergies (Chromium) dermatitis.

Calcium Hydroxide Toxicity Data:
Eye – rbt 10mg SEV; cyt – rat/ast 1200mg/kg
Orl – rat LD50:7340mg/kg; orl – mus LD50 : 7300mg/kg

Ecological Information

Do not discharge this product into the natural environment. The product may be toxic to aquatic life forms if spilled into ponds, rivers, watercourses, etc. The product is non bio-degradable.

LC50 not determined.
For Calcium Hydroxide: Toxicity Level – 92ppm/7hour/Trout/Fresh Water.
The addition of cement to water will result in a rise of pH and may, therefore, be toxic to aquatic life.

Disposal Considerations

Disposal of the product should be in accordance with any national or regional regulations that may be in effect. Dispose of at authorised landfill sites only.

Transport Considerations

There is no special classification for conveyance required for this product.

Regulatory Information

Chemicals ('Hazard Information and Packaging for Supply') Regulations 1994.

Classification:
Irritant.

Other Information

Other sources of information and current legislation relating to the product can be found in:

- Health & Safety at Work Act 1974.
- Control of Substances Hazardous to Health (COSHH) Regulations (4th Edition) 2002.
- HSE guidance note EH40 (Occupational Exposure Limits). EH40 is published annually and the most recent issue should be used.
- Manual Handling Operations Regulations 1992.
- St. John or Red Cross manuals on first aid measures.

Recipients of WBS products must take responsibility for existing laws and regulations and at all times operate within Health and Safety guidance on the use of these products.

The information provided within this data sheet is deemed to be accurate to the best of our knowledge and given in good faith.