SAFETY DATA INFORMATION

HIGH TEMPERATURE PUTTY

COMPOSITION / INFORMATION ON INGREDIENTS

Basic preparation of silica sand and clay combined with various minor mineral and chemical additives.

- Alkaline sodium silicate - CAS 1344-09-8; <10%; R41, R38.
- Clay (Kaolin) - CAS 1332-58-7; EINECS 310-127-6.
- Ground silica sand - CAS 14808-60-7; <25%; R20, R48.
- Sand - CAS 14808-60-7.

HAZARDS IDENTIFICATION

Original classification: Xi Irritant. Contains sodium silicate, an alkaline solution that is irritating to eyes. The original sheet identifies ground silica sand as harmful by inhalation, with risk of serious health damage from prolonged exposure to respirable silica-containing dust. It states that respirable silica is not released in the form in which the product is applied.

FIRST AID MEASURES

- Inhalation: If irritation occurs, move to fresh air.
- Skin contact: Wash affected area with soap and water. Seek medical advice if irritation or other symptoms occur.
- Eye contact: Immediately wash eyes with plenty of clean water for at least 10 minutes and seek medical advice without delay.
- Ingestion: Do not induce vomiting. Wash out mouth, drink copious quantities of water, and seek medical advice.

FIRE-FIGHTING MEASURES

The original sheet states the product is not flammable and will not facilitate combustion with other materials.

ACCIDENTAL RELEASE MEASURES

- Wear suitable protective equipment.
- Collect in suitable containers for disposal.
- Avoid contamination of drains and watercourses.

HANDLING AND STORAGE

- Stack pots in a safe and stable manner.

• Avoid contact with eyes.

• Avoid inhaling dust. If large quantities are machined, local exhaust ventilation is recommended.

EXPOSURE CONTROL / PERSONAL PROTECTION

Historical limits cited by the source (not verified as current Canadian occupational exposure limits): silica flour SiO2 maximum exposure limit 0.3 mg/m3, 8-hour TWA; kaolin respirable dust occupational exposure standard 2 mg/m3, 8-hour TWA.

• Eye protection: Dust-proof goggles where material may enter eyes.

• Skin protection: Protective clothing to prevent prolonged skin contact.

• Respiratory protection: Avoid inhaling dust; wear respiratory protection if airborne dust is likely to exceed applicable limits.

• Ingestion: Follow normal hygiene precautions.

PHYSICAL AND CHEMICAL PROPERTIES

Supplied moist; grey in colour (the source text reads “grey and colour,” which appears incomplete).

STABILITY AND REACTIVITY

Stable.

ECOLOGICAL INFORMATION

LC50 aquatic toxicity rating has not been determined. The original sheet cautions that adding cement to water can increase pH and may be toxic to aquatic life in some circumstances.

DISPOSAL CONSIDERATIONS

Empty containers or surplus cement may be disposed of at an authorized builders-waste site, subject to applicable local and national regulations.

TRANSPORT INFORMATION

Not classified as hazardous for transportation purposes according to the original source. Current Canadian transport classification has not been independently verified.

TOXICOLOGICAL INFORMATION

• Eye contact: Severe eye irritant. Mild exposure can cause soreness; gross or untreated exposure may cause chemical burning and ulceration.

• Skin contact: Irritating to skin.

• Ingestion: Large doses may irritate the gastrointestinal tract.

• Inhalation: The supplied moist product is unlikely to cause effects by inhalation, but wrecking or disturbance may release respirable silica. Prolonged exposure may cause silicosis; control dust exposures.

REGULATORY INFORMATION - ORIGINAL HISTORICAL REFERENCES

Chemical Hazard Information & Packaging for Supply Regulations 1994; Amendment Regulations 1997. Classification: Xi Irritant; contains sodium silicate. Risk phrase: irritating to eyes. Safety phrases: avoid contact with eyes and prolonged skin contact; rinse eyes immediately with plenty of clean water and seek medical advice; keep out of reach of children.

OTHER INFORMATION / DOCUMENT STATUS

Original references: Health & Safety at Work Act 1974; Control of Substances Hazardous to Health Regulations 1999; Environmental Protection Special Waste Regulations 1996; HSE Occupational Exposure Limits EH40/99; HSE Silica Dust and You ISBN 0717614484. Original document references Directive 91/155/EEC as amended by 93/112/EC.