Material Safety Data Sheet - Burnt Lime

CALCIUM OXIDE (BURNT LIME)

Should you have any inquiries with these sheets please phone 06 8777617

CLASSIFIED AS HAZARDOUS ACCORDING TO NOHSC CRITERIA

Synonyms BURNT LIME C2178 - CATALOGUE NUMBER , LIME , QUICKLIME Appearance OFF- WHITE POWDER Odour ODOURLESS Use(s) CEMENT ADDITIVE, LABORATORY REAGENT, BINDING AGENT DEHYDRATING AGENT, LABORATORY APPL, PRODUCTION OF CALCIUM HYDROXIDE Supplier WEBSTERS HYDRATED LIME CO LTD PH: (06) 8777617 C.A.S. No. 1305-62-0 Poison Sched None Allocated Hazchem None Allocated UN No. None Allocated D.G. Class None Allocated Pkg Group None Allocated EPG None Allocated Sub/Tert Risk None Allocated

HEALTH HAZARDS Health Hazard Corrosive. Use safe work practices to avoid eye - skin contact and dust generation - inhalation. Once water is added. Summary an inhalation hazard is not anticipated. Chronic respiratory effects are not anticipated with over exposure at high levels due to the immediate irritant and/or corrosive effects. Eye Corrosive. Severe irritant upon contact with powder / dust. Over exposure may result in pain, redness, corneal burns and ulceration with possible permanent damage. Inhalation Corrosive. Over exposure to powder - dust(when mixing) may result in severe mucous membrane irritation of nose and throat, coughing and bronchitis at high levels. Skin Corrosive. Prolonged and repeated contact with powder or wetted form may result in skin rash and dermatitis. Ingestion Corrosive. Ingestion may result in ulceration and burns to the mouth and throat, nausea, vomiting, abdominal pain and diarrhoea.

PRECAUTIONS Flammability Non flammable. May generate heat in contact with water. Reactivity Incompatible with hydrofluoric acid (violently) and phosphorus pentoxide. Reacts (potentially vigorously) with water generating heat and evolving calcium hydroxide. Ventilation Do not inhale dust/powder. Use with adequate natural ventilation. Where a dust inhalation hazard exists, mechanical extraction ventilation is recommended.

PERSONAL PROTECTIVE EQUIPMENT PPE Wear dust-proof goggles and PVC or rubber gloves. When using large quantities or where heavy contamination is likely, wear coveralls. Where an inhalation risk exists, wear a Class P1 (Particulate) Respirator. At high dust levels, wear a Powered Air Purifying Respirator (PAPR) with Class P3 (Particulate) filter or a Class P3 (Particulate) respirator. Colour Rating AMBER

FIRST AID Eye Flush gently with running water, holding eyelids open for 20 minute period. Seek immediate medical attention. Inhalation If over exposure occurs leave exposure area immediately. If other than minor symptoms are displayed seek immediate medical attention. Skin Remove contaminated clothing and gently flush affected areas with water. Seek medical attention if irritation develops. Launder clothing before reuse. Ingestion If poisoning occurs, contact a Doctor or Poisons Information Centre on (03) 4747000 OR (03) 4791200 9am - 5pm Weekdays. Do not induce vomiting Seek immediate

medical attention.
SAFE HANDLING Storage Store in cool, dry area, removed from water/moisture, hydrofluoric acid, phosphorus pentoxide and foodstuffs. Ensure packages or storage tanks are adequately labelled, protected from physical damage and sealed when not in use. Caution: Swells when moist and may burst containers. Waste For small amounts: VERY SLOWLY, hydrate (add water) and then neutralise with Disposal dilute hydrochloric acid (e.g. 6NHCl) to pH of 7-8. Dilute and flush to sewer or landfill. For large amounts material can be readily recycled. Contact Manufacturer for additional information. Transport Not regulated for transport purposes.
EMERGENCY Spillage If spilt(bulk), contact emergency services if appropriate. Wear dust-proof PVC/rubber gloves, a Class p1 (Particulate) respirator (where an inhalation risk exists). Coveralls and rubber boots. Clear area of all unprotected personnel. Prevent spill entering drains or waterways. Collect and place in sealable containers for disposal. Avoid generating dust. Fire and Non flammable. However may generate heat upon contact with water: sufficient heat Explosion may be generated to ignite surrounding combustible materials. Evacuate area in fire situation and contact emergency services. DO NOT USE WATER: use dry chemical or carbon dioxide. Extinguishing Non flammable. Do not use water for fire fighting as contact will increase heat generation. Use dry agent or carbon dioxide extinguishers only.
PHYSICAL AND CHEMICAL PROPERTIES Flammability: NON FLAMMABLE Flash Point: NOT RELEVANT Boiling Point: 2850 C Melting Point: 2572 C Exposure std (TWA) 2 mg/m3 Calcium oxide Evaporation Rate: NOT AVAILABLE pH: 12.5 (Saturated solution) % Volatiles: NOT AVAILABLE Specific Gravity: 3.300 Solubility: SOLUBLE Vapour Pressure: NOT RELEVANT Upper Explosion Limit NOT RELEVANT Lower Explosion Limit NOT RELEVANT AMBER