

CALCIUM OXIDE/MAGNESIUM OXIDE

MSDS

LINWOOD MINING & MINERALS CORP.
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Date of Preparation: 1/9/04

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PRODUCT INFORMATION

Substance: Calcium Oxide/Magnesium Oxide
Chemical Formula: CaO/MgO CAS Number: 1305-78-8/1309-48-4
Synonyms: Quicklime; Burnt lime; Lime
Chemical Family: Inorganic base

HAZARDOUS INFORMATION

Calcium Oxide 55%
Magnesium Oxide 45%

PHYSICAL DATA

Appearance: Off-white pebbles, granules or dust.
Odor: Odorless
Water solubility: 0.12g/100g water
Boiling point: N.A.
Specific Gravity: 2.0
Evaporation rate: N.A.

FIRE AND EXPLOSION INFORMATION

Calcium Oxide is not combustible itself. When mixed with small amounts of water, enough heat can be generated to cause ignition of combustible material, such as paper.

REACTIVITY DATA

Stability: Unstable in the presence of water and acids.
Hazardous decomposition products: None
Hazardous polymerization: None
Incompatibility: Water and acids

SPILL OR LEAK PROCEDURES

Calcium oxide is not a hazardous waste and, therefore may be cleaned up and disposed of normally. Federal and local regulations should be reviewed prior to disposal. Care should be taken to avoid contact with water and acids. Appropriate personal protection should be considered when cleaning up and disposing.

HEALTH HAZARD INFORMATION

Exposure/ Health effects

Lime is nontoxic. Acute exposure to lime dust is very irritating to eyes, nose, and throat. It can cause burns on moist skin and is corrosive to eyes. Chronic exposure to the dust can cause damage to the nasal passages. Any physical condition normally aggravated by dust, such as eye, nose, throat inflammation, will be aggravated by lime dust.

First Aid

Flush eyes immediately with water for at least 15 minutes, and call a physician. Wash skin with soap and water and apply burn ointment. Call a physician. Drink water for throat irritation.

Occupational Control Measures

Primary route of entry:	Respiratory
Exposure limits(TLV):	5 mg/cu. meter
Permissible exposure limit(PEL):	N.A.
Ventilation system:	A dust collection system is recommended.
Respiratory protection:	A protective filter mask is recommended.
Skin and eye protection:	Cover as much of the skin as possible. Wear tight fitting goggles.

STORAGE AND SPECIAL PRECAUTIONS

Store in a dry area. Avoid contact with water and acids.