<table>
<thead>
<tr>
<th>CHEMICAL IDENTITY</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>LABEL IDENTITY</td>
<td>CALCIUM OXIDE</td>
</tr>
<tr>
<td>CHEMICAL NAME/SYNONYMS</td>
<td>CALCIUM OXIDE</td>
</tr>
<tr>
<td>FORMULA</td>
<td>CaO</td>
</tr>
<tr>
<td>CHEMICAL FAMILY</td>
<td>OXIDE</td>
</tr>
<tr>
<td>CAS REGISTRY NUMBER</td>
<td>LISTED IN THE TSCA INVENTORY</td>
</tr>
<tr>
<td>HAZARDOUS INGREDIENTS</td>
<td>CALCIUM OXIDE</td>
</tr>
<tr>
<td>%:</td>
<td>100</td>
</tr>
<tr>
<td>TLV:</td>
<td>5mg/m3</td>
</tr>
<tr>
<td>OSHA/PEL:</td>
<td>5mg/M3</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>PHYSICAL AND CHEMICAL PROPERTIES</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>COLOR, FORM AND ODOR</td>
<td>Colorless crystals or powder, no odor</td>
</tr>
<tr>
<td>BOILING POINT</td>
<td>2850</td>
</tr>
<tr>
<td>DENSITY (gm/cc)</td>
<td>3.37</td>
</tr>
<tr>
<td>VAPOR PRESSURE @ 20°</td>
<td>NA</td>
</tr>
<tr>
<td>% VOLATILE BY VOLUME (%)</td>
<td>NA</td>
</tr>
<tr>
<td>REACTION WITH WATER</td>
<td>NA</td>
</tr>
<tr>
<td>EVAPORATION RATE (H2O=1)</td>
<td>NA</td>
</tr>
<tr>
<td>SOLUBILITY IN WATER</td>
<td>Soluble</td>
</tr>
<tr>
<td>MELTING POINT</td>
<td>2580</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>FIRE AND EXPLOSION HAZARD DATA</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>FLASH POINT</td>
<td>NA</td>
</tr>
<tr>
<td>AUTOIGNITION TEMPERATURE (°C)</td>
<td>NA</td>
</tr>
<tr>
<td>FLAMMABILITY</td>
<td>Non-combustible</td>
</tr>
<tr>
<td>EXTINGUISHING MEDIA</td>
<td>Use dry chemical, CO₂, contact with water may generate sufficient heat to ignite combustible materials</td>
</tr>
<tr>
<td>SPECIAL FIRE FIGHTING PROCEDURES</td>
<td>Wear a self-contained breathing apparatus</td>
</tr>
<tr>
<td>UNUSUAL FIRE &amp; EXPLOSION HAZARDS</td>
<td>None Known</td>
</tr>
</tbody>
</table>
CALCIUM OXIDE
MATERIAL SAFETY DATA SHEET

HEALTH HAZARD INFORMATION

TOXICITY DATA

Na

HMIS RATING:
HEALTH: ND FLAMMABILITY: ND REACTIVITY: ND PERSONAL PROTECTION: ND

ROUTES OF ENTRY

INHALATION: Yes
SKIN: Yes
INGESTION: Yes

MEDICAL CONDITIONS AGGRAVATED BY OVEREXPOSURE:

ND

EFFECTS OF OVEREXPOSURE (acute and chronic):

INHALATION: of dust for prolonged periods of time at high dust concentrations may result in coughing, sneezing, burning sensations to the upper respiratory tract and possible inflammation of the respiratory passages.
DERMAL: will result in irritation and possible corrosion damage
EYE: severe burning sensation may result
INGESTION: of sufficient quantities of this material is not likely to occur in an industrial environment. Calcium compounds usually have a low order of toxicity, however corrosive properties of the material may result in a burning of the digestive tract tissue.

CARCINOGENICITY: ND NTP: No IARC MONOGRAPHS: No OSHA REGULATE: No

EMERGENCY FIRST AID PROCEDURES:

INGESTION: if conscious have victim drink plenty of water, DON'T induce vomiting.
INHALATION: Remove to fresh air, perform artificial respiration breathing stopped
SKIN CONTACT: Wash affected area with soap and water
EYE CONTACT: Flush eyes for at least 15 minutes with lukewarm water.
*in all cases seek medical attention*

REACTIVITY DATA

STABILITY

Stable

CONDITIONS CONTRIBUTING TO UNSTABILITY

None known

INCOMPATIBILITY (MATERIALS TO AVOID)

Boric oxide, acids, fluorine, water, steam and organic materials

HAZARDOUS DECOMPOSITION PRODUCTS

None known

HAZARDOUS POLYMERIZATION

Will Not Occur

CONDITIONS TO AVOID

None known
CALCIUM OXIDE
MATERIAL SAFETY DATA SHEET

SAFE HANDLING AND USE

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED:

Avoid dusting and skin or eye contact, sweep up and transfer to a sealed container.

WASTE DISPOSAL METHOD:

Consult federal, state and local regulations for proper disposal.

SPECIAL PROTECTIVE INFORMATION

RESPIRATORY PROTECTION

NIOSH approved respirator if ventilation controls are not possible or inadequate

LOCAL EXHAUST

Fume hood

MECHANICAL (general)

NA

SPECIAL

NA

OTHER

NA

PROTECTIVE GLOVES

Rubber

EYE PROTECTION

Safety glasses

OTHER PROTECTIVE EQUIPMENT

Wear protective clothing

SPECIAL PRECAUTIONS

PRECAUTIONS TO BE TAKEN IN HANDLING/STORAGE:

Store material in sealed containers in a dry area. Protect containers from physical damage. Avoid contact with moisture

TRANSPORTATION REQUIREMENTS

DOT CLASS: NA

UN NUMBER: NA

IMCO CLASS: NA

OTHER:

PRECAUTIONARY LABELING

NONE

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NA= NOT APPLICABLE

ND= NO DATA FOUND