SODA LIME
Product Code: J553, J553B, J553C
Effective Date: March 06 2012

24 Hour Emergency Telephone:
INFOTRAC: (800)535-5053

All non-emergency questions may be directed to customer service @ (970)669-2500 or fax (970)663-5042

HAZARDOUS IDENTIFICATION

<table>
<thead>
<tr>
<th>Chemical Family</th>
<th>Alkaline Carbon Dioxide Absorbent</th>
</tr>
</thead>
<tbody>
<tr>
<td>Formulas</td>
<td>Ca (OH)2, KOH, NaOH</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Hazardous Ingredients/Components</th>
<th>Content by weight</th>
<th>CAS#</th>
<th>Maximum Exposure value 8-hour time weighted average OSHA PEL</th>
</tr>
</thead>
<tbody>
<tr>
<td>Calcium Hydroxide</td>
<td>&gt;73%</td>
<td>1305-62-0</td>
<td>5mg/cubic meter</td>
</tr>
<tr>
<td>Potassium Hydroxide</td>
<td>0-5%</td>
<td>1310-58-3</td>
<td>2mg/cubic meter (ceiling)</td>
</tr>
<tr>
<td>Sodium Hydroxide</td>
<td>&lt;4%</td>
<td>1310-73-2</td>
<td>2 mg/cubic meter (ceiling)</td>
</tr>
</tbody>
</table>

Other Ingredients:
Modifiers (includes pH indicator) <1%
Water <19%

EMERGENCY OVERVIEW

SYSTEM | SYMPTOMS OF EXPOSURE | FIRST AID PROCEDURES
--------|----------------------|----------------------
INHALATION | Dust can cause irritation and injury to the Respiratory system | Remove to fresh air
SKIN | Irritation upon direct contact | Wash affected area with water; if irritation occurs and persists, get medical attention. Remove contaminated clothing
EYES | Severe irritation upon contact | Immediately flush area with water for AT LEAST 15 minutes. Get medical attention
INGESTION | Harmful if swallowed | Dilute with weak vinegar solution or a 5% solution of ammonium chloride if these are available. If not dilute with large quantities of water. Do not induce vomiting. Get medical attention.

POTENTIAL HEALTH EFFECTS

SEE EMERGENCY OVERVIEW

OTHER:
Sensitization: none known
Carcinogenicity: none known

FIRST AID MEASURES

SEE EMERGENCY OVERVIEW

FIRE FIGHTING MEASURES

FIRE:
Non flammable
EXPLOSION:
Non explosive
ACCIDENTAL RELEASE MEASURES

Avoid inhalation and direct contact

For small spills: Scoop up and place in closed fiberboard or lined metal containers. Rinse area with water. Wash area with soapy water and rinse.

For large spills: Scrape or shovel into containers as above.

Waste disposal: Dispose of all product wastes and water rinses in accordance with current local, state, and Federal regulations. SEE ALSO SECTION ON DISPOSAL CONSIDERATIONS

HANDLING AND STORAGE

Avoid breathing dust. Avoid skin and eye contact. Keep from freezing. Do not use any materials exposed to below-freezing temperatures. Keep away from moisture.

PERSONAL PROTECTION/EXPOSURE CONTROLS

EYE: Safety glasses or goggles and face shield

GLOVES: Protective, loose-fitting, insulated

LOCAL EXHAUST: Recommended

VENTILATION: Avoid inhalation and direct contact. Use is a well-ventilated location

RESPIRATORY: Self-contained breathing apparatus where needed

OTHER: Avoid contact with water when using this product

Specific engineering controls to be used: none

PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE: White granules

ODOR: Odorless

SOLUBILITY in water: Slight

SPECIFIC GRAVITY: approximately 2

PH: 10.5 – 12.5

% VOLATILES by VOLUME: <19

VAPOR PRESSURE / DENSITY: not applicable / not applicable

EVAPORATION RATE: not applicable

BOILING POINT / FREEZING POINT: not applicable / not applicable

DENSITY: not applicable

COEFFICIENT OF WATER / OIL: not applicable

STABILITY AND REACTIVITY

STABILITY: Stable

HAZARDOUS POLYMERIZATION: Will not occur

INCOMPATIBILITIES: Will react (be neutralized) with acids. May react with chloroform slightly, producing sodium formate, carbon monoxide, and phosgene. May react with trichloroethylene producing dichloracetylene, carbon monoxide, and phosgene.

CONDITIONS OF REACTIVITY/AVOID: Presence of acids, chloroform, trichloroethylene

CONDITIONS TO AVOID: Keep all Soda Lime that has been USED with highly flammable anesthetics away from heat, sparks, open flames – as residual amounts of these materials will be present.
TOXICOLOGICAL/ECOLOGICAL INFORMATION

TOXICOLOGICAL DATA/ENVIRONMENTAL TOXICITY: No data available for this product.

DISPOSAL INFORMATION

Consult all regulations (federal, state, provincial, local) or a qualified waste disposal firm when classifying waste and its disposal. According to EPA (40 CFR §261.3), waste of this product is not defined as hazardous. Always dispose of waste of this product in accordance with all applicable regulations. State and local regulations may differ from federal. Check before disposing of this and any waste product.

OTHER INFORMATION

TRANSPORT (Land, DOT, IATA):
This product is not regulated because it contains less than 4% sodium hydroxide (NaOH).

PRODUCT USE:
C02 absorbent