MSDS Material Safety Data

Jorgensen Laboratories, Inc.
1450 North Van Buren Avenue
Loveland, CO 80538

Soda Lime
Product Code: J553 and J553B
Effective Date: July 1, 2007
24 Hour Emergency Telephone:
800-535-5053

All non-emergency questions may be directed to customer service @ 1-970-669-2500 or fax 1-970-663-5042

HAZARDOUS IDENTIFICATION

Chemical Family: Alkaline Carbon Dioxide Absorbent
Formulas: Ca (OH)2, KOH, NaOH

Hazardous Ingredients	Content by Weight	CAS Number	Maximum Exposure Value (8 hour time-weighted average) OSHA PEL
Calcium hydroxide	> 73%	1305-62-0	5 mg / cubic meter
Potassium hydroxide	0-5%	1310-58-3	2mg / cubic meter (ceiling)
Sodium hydroxide	< 4%	1310-73-2	2 mg / cubic meter (ceiling)

Other ingredients:
Modifiers (includes pH Indicator) < 1%
Water < 19.0%

EMERGENCY OVERVIEW

	Signs & Symptoms Of Acute Exposure	Emergency First Aid Procedures
Inhalation:	Dust can cause irritation and injury to the Respiratory system	Remove to fresh air
Eyes:	Severe irritation upon contact	Immediately flush eyes with water for at Least 15 minutes; get medical attention
Skin:	Irritation upon direct contact	Wash affected area with water; if irritation occurs and persists, get medical attention. Remove contaminated clothing.
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

Route of Entry: Inhalation, Direct contact, Ingestion

Effects of acute and chronic exposure: Dust can cause irritation and injury to the respiratory system: severe irritation to the eyes on contact: irritation to the skin on contact; harmful if swallows

Irritancy: Severe irritation on contact with eyes and skin

Sensitization: None known

Carcinogenicity: None known

FIRST AID MEASURES

See EMERGENCY OVERVIEW above.

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.

Waste Disposal: Dispose of all product wastes and water rinses in accordance with current local, state, and Federal regulation.

HANDLING AND STORAGE

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

PERSONAL PROTECTION

Eye Protection: Safety glasses or goggles and face shield
Protective Gloves: Loose fitting, insulated
Local Exhaust: Recommended
Ventilation: Avoid inhalation and direct contact
Respiratory Protection: Self-contained breathing apparatus where needed
Other Protective Equipment: Avoid contact with water
Specific Engineering Controls to be used: none

PHYSICAL AND CHEMICAL PROPERTIES

Physical State:	White granules.
Odor:	No odor.
Specific Gravity:	Approximately 2.
Vapor Pressure:	Not applicable
Vapor Density:	Not Applicable
Evaporation Rate:	Not applicable
Boiling Point:	Not applicable
Freezing Point:	Not Applicable
pH:	10.5 to 12.5
Density:	Not applicable
Coefficient of water/oil distrib. :	Not applicable
Solubility in water:	Slight
Percent Volatile by Weight	< 19

STABILITY AND REACTIVITY

Conditions Under which the Product is Chemically Unstable: None
Name of any Substance or Class of Substance with which the Product is Incompatible: 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: Presence of acids, chloroform, trichloroethylene
Stability: Stable
Conditions to Avoid: Keep all SODA LIME that has been <u>used</u> with highly flammable anesthetics Away from heat, sparks and open flames, as residual amounts of these materials will be present.
Materials to Avoid: (See Above)msds553July07.doc
Hazardous Polymerization: Will not occur

DISPOSAL INFORMATION

Dispose of container and unused contents in accordance with federal, state and local requirements. State and local disposal regulation may differ from federal disposal regulations.

OTHER INFORMATION

TRANSPORT (DOT and IATA):

Not regulated, because less that 4% sodium hydroxide.

PRODUCT USE:

CO_2 absorbent.

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