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Material Safety Data Sheet Soda Lime, Indicating

ACC# 20855

Section 1 - Chemical Product and Company Identification

MSDS Name: Soda Lime, Indicating

Catalog Numbers: S80167, S195 500, S195-500, S195500, S2001 3, S2001-3, S20013, S201 212, S201-3, S201212, S2013

Synonyms: A precipitate solid formed from a combination of Calcium Oxide and Sodium Hydroxide with Ethyl Violet added as an indicator.

Company Identification:

Fisher Scientific
1 Reagent Lane
Fairlawn, NJ 07410

For information, call: 201-796-7100

Emergency Number: 201-796-7100

For CHEMTREC assistance, call: 800-424-9300

For International CHEMTREC assistance, call: 703-527-3887

Section 2 - Composition, Information on Ingredients

CAS#	Chemical Name	Percent	EINECS/ELINCS
2390-59-2	ETHYL VIOLET	<1.0	219-231-5
8006-28-8	SODA LIME	>99.0%	unlisted

Section 3 - Hazards Identification

EMERGENCY OVERVIEW

Appearance: gray-white. **Danger!** Causes severe skin burns. Causes severe eye burns. Corrosive. Water-Reactive. Hygroscopic. Causes digestive and respiratory tract burns.

Target Organs: None.

Potential Health Effects

Eye: Causes severe eye burns.

Skin: Causes skin burns. May cause deep, penetrating ulcers of the skin.

Ingestion: Causes gastrointestinal tract burns. Causes severe pain, nausea, vomiting, diarrhea, and shock.

Inhalation: Irritation may lead to chemical pneumonitis and pulmonary edema. Causes severe irritation of upper respiratory tract with coughing, burns, breathing difficulty, and possible coma.

Chronic: Prolonged or repeated skin contact may cause dermatitis.

Section 4 - First Aid Measures

Eyes: Immediately flush eyes with plenty of water for at least 15 minutes, occasionally lifting the upper and lower lids. Get medical aid immediately.

Skin: Get medical aid immediately. Immediately flush skin with plenty of soap and water for at least 15 minutes while removing contaminated clothing and shoes. Discard contaminated clothing in a manner which limits further exposure. Remove contaminated clothing and shoes.

Ingestion: Do NOT induce vomiting. If victim is conscious and alert, give 2-4 cupfuls of milk or water. Never give anything by mouth to an unconscious person. Get medical aid immediately.

Inhalation: Get medical aid immediately. Remove from exposure to fresh air immediately. If not breathing, give artificial respiration. If breathing is difficult, give oxygen.

Notes to Physician: Treat symptomatically and supportively.

Antidote: None reported.

Section 5 - Firefighting Measures

General Information: Wear appropriate protective clothing to prevent contact with skin and eyes. Wear a self-contained breathing apparatus (SCBA) to prevent contact with thermal decomposition products.

Extinguishing Media: Use dry chemical to fight fire.

Autoignition Temperature: Not applicable.

Flash Point: Not applicable.

NFPA Rating: Not published. Explosion Limits, Lower: Not available. Upper: Not available.

Section 6 - Accidental Release Measures

General Information: Use proper personal protective equipment as indicated in Section 8.

Spills/Leaks: Vacuum or sweep up material and place into a suitable disposal container. Avoid generating dusty conditions.

Section 7 - Handling and Storage

Handling: Wash thoroughly after handling. Use with adequate ventilation. Do not allow water to get into the container because of violent reaction. Do not get in eyes, on skin, or on clothing. Do not ingest or inhale.

Storage: Store in a tightly closed container. Store in a cool, dry, well-ventilated area away from incompatible substances. Keep away from strong acids. Keep away from water.

Section 8 - Exposure Controls, Personal Protection

Engineering Controls: Use adequate general or local exhaust ventilation to keep airborne concentrations below the permissible exposure limits.

Exposure Limits

Chemical Name	ACGIH	NIOSH	OSHA - Final PELs
ETHYL VIOLET	none listed	none listed	none listed
SODA LIME	none listed	none listed	none listed

OSHA Vacated PELs: ETHYL VIOLET: No OSHA Vacated PELs are listed for this chemical. SODA LIME: No OSHA Vacated PELs are listed for this chemical.

Personal Protective Equipment

Eyes: Wear appropriate protective eyeglasses or chemical safety goggles as described by OSHA's eye and face protection regulations in 29 CFR 1910.133 or European Standard EN166.

Skin: Wear appropriate gloves to prevent skin exposure.

Clothing: Wear appropriate protective clothing to prevent skin exposure.

Respirators: Follow the OSHA respirator regulations found in 29CFR 1910.134 or European Standard EN 149. Always use a NIOSH or European Standard EN 149 approved respirator when necessary.

Section 9 - Physical and Chemical Properties

Physical State: Solid
Appearance: gray-white
Odor: None reported
pH: Basic in solution
Vapor Pressure: Not available.
Vapor Density: Not available.
Evaporation Rate:
Viscosity: Not available.
Boiling Point: Not available.
Freezing/Melting Point: Not available.
Decomposition Temperature: Not available.
Solubility: Reacts with water
Specific Gravity/Density: Not available.
Molecular Formula: Mixture
Molecular Weight:

Section 10 - Stability and Reactivity

Chemical Stability: Stable. Substance readily absorbs carbon dioxide from air.
Conditions to Avoid: Incompatible materials, moisture, exposure to air, contact with water, acids.
Incompatibilities with Other Materials: Generates large amounts of heat when in contact with water and may steam and splatter.
Hazardous Decomposition Products: Toxic fumes of sodium oxide, calcium oxide.
Hazardous Polymerization: Has not been reported.

Section 11 - Toxicological Information

RTECS#:

CAS# 2390-59-2: KH2682000
CAS# 8006-28-8: VX9650000
LD50/LC50:
 Not available.
 Not available.

Carcinogenicity:
 CAS# 2390-59-2: Not listed by ACGIH, IARC, NIOSH, NTP, or OSHA. CAS# 8006-28-8: Not listed by ACGIH, IARC, NIOSH, NTP, or OSHA.
Epidemiology: No information reported.
Teratogenicity: No information reported. No information reported.
Reproductive Effects: No information reported.
Neurotoxicity: No information reported.
Mutagenicity: Mutation data reported.
Other Studies: No information reported/

Section 12 - Ecological Information

Ecotoxicity: Not available.
Environmental Fate: No information reported.
Physical/Chemical: Not available.
Other: None.

Section 13 - Disposal Considerations

Dispose of in a manner consistent with federal, state, and local regulations.
RCRA D-Series Maximum Concentration of Contaminants: None listed.
RCRA D-Series Chronic Toxicity Reference Levels: None listed.
RCRA F-Series: None listed.
RCRA P-Series: None listed.
RCRA U-Series: None listed.

Section 14 - Transport Information

	US DOT	IATA	RID/ADR	IMO	Canada TDG
Shipping Name:	SODA LIME	No information available.	No information available.	No information available. SODA LIME	
Hazard Class:	8			8	
UN Number:	UN1907			UN1907	
Packing Group:	III			III	

Section 15 - Regulatory Information

US FEDERAL

TSCA
 CAS# 2390-59-2 is listed on the TSCA inventory.
 CAS# 8006-28-8 is not listed on the TSCA inventory. It is for research and development use only.
Health & Safety Reporting List

None of the chemicals are on the Health & Safety Reporting List.

Chemical Test Rules

None of the chemicals in this product are under a Chemical Test Rule.

Section 12b

None of the chemicals are listed under TSCA Section 12b.

TSCA Significant New Use Rule

None of the chemicals in this material have a SNUR under TSCA.

SARA**Section 302 (RQ)**

None of the chemicals in this material have an RQ.

Section 302 (TPQ)

None of the chemicals in this product have a TPQ.

SARA Codes

CAS # 2390-59-2: acute, flammable. CAS # 8006-28-8: acute, chronic.

Section 313

No chemicals are reportable under Section 313.

Clean Air Act:

This material does not contain any hazardous air pollutants. This material does not contain any Class 1 Ozone depleters. This material does not contain any Class 2 Ozone depleters.

Clean Water Act:

None of the chemicals in this product are listed as Hazardous Substances under the CWA. None of the chemicals in this product are listed as Priority Pollutants under the CWA. None of the chemicals in this product are listed as Toxic Pollutants under the CWA.

OSHA:

None of the chemicals in this product are considered highly hazardous by OSHA.

STATE

CAS# 2390-59-2 is not present on state lists from CA, PA, MN, MA, FL, or NJ.

CAS# 8006-28-8 can be found on the following state right to know lists: New Jersey.

California No Significant Risk Level: None of the chemicals in this product are listed.

European/International Regulations**European Labeling in Accordance with EC Directives****Hazard Symbols:**

Not available.

Risk Phrases:**Safety Phrases:**

S 23 Do not inhale gas/fumes/vapour/spray. S 24/25 Avoid contact with skin and eyes. S 26 In case of contact with eyes, rinse immediately with plenty of water and seek medical advice. S 37/39 Keep container tightly closed in a cool, well-ventilated place. S 36/37/39 Wear suitable protective clothing, gloves and eye/face protection. S 28A After contact with skin, wash immediately with plenty of water.

WGK (Water Danger/Protection)

CAS# 2390-59-2: No information available.

CAS# 8006-28-8: No information available.

Canada

CAS# 2390-59-2 is listed on Canada's DSL/NDSL List.

This product has a WHMIS classification of E.

CAS# 2390-59-2 is not listed on Canada's Ingredient Disclosure List.

CAS# 8006-28-8 is not listed on Canada's Ingredient Disclosure List.

Exposure Limits**Section 16 - Additional Information**

MSDS Creation Date: 10/25/1995

Revision #4 Date: 9/02/1997

The information above is believed to be accurate and represents the best information currently available to us. However, we make no warranty of merchantability or any other warranty, express or implied, with respect to such information, and we assume no liability resulting from its use. Users should make their own investigations to determine the suitability of the information for their particular purposes. In no way shall Fisher be liable for any claims, losses, or damages of any third party or for lost profits or any special, indirect, incidental, consequential or exemplary damages, howsoever

arising, even if Fisher has been advised of the possibility of such damages.

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