

MATERIAL SAFETY DATA SHEET

1. Product and Company Identification

Material name MOTIONS RELAXER - SUPER
Revision date 06-Jan-2006
CAS # Mixture
Product use Hair Relaxer
Company information MOTIONS
2525 Armitage Avenue
Melrose Park, IL 60160 US
Emergency Emergency Phone (708) 450-3175
Shipping Emergencies CHEMTREC 800 424-9300 or 703 527-3887
General information Business Phone (708) 450-3000

2. Hazards Identification

Emergency overview Causes severe skin and eye burns. Irritating to respiratory system.
Potential health effects
Routes of exposure Ingestion. Skin contact. Inhalation.
Eyes Avoid contact with eyes. This product causes eye burns. Risk of serious damage to eyes.
Skin Avoid contact with the skin. Causes skin burns.
Inhalation Do not breathe gas/fumes/vapor/spray. Irritating to respiratory system.
Ingestion Do not ingest. Ingestion may produce burns to the lips, oral cavity, upper airway, esophagus and possibly the digestive tract.
Target organs Eyes. Skin. Gastrointestinal tract.

3. Composition / Information on Ingredients

Components	CAS #	Percent
Sodium Hydroxide	1310-73-2	< 2.5
Non-hazardous and other components below reportable levels		> 90
Composition comments	This product is not considered to be a carcinogen by IARC, ACGIH, NTP, or OSHA.	

4. First Aid Measures

First aid procedures
Eye contact Immediately flush eyes with plenty of water for at least 20 minutes. Get medical attention immediately.
Skin contact Wash off with soap and water. Remove and isolate contaminated clothing and shoes. For minor skin contact, avoid spreading material on unaffected skin. If skin irritation persists, call a physician.
Inhalation Move to fresh air. If breathing is difficult, give oxygen. Oxygen or artificial respiration if needed. Do not use mouth-to-mouth method if victim inhaled the substance. Induce artificial respiration with the aid of a pocket mask equipped with a one-way valve or other proper respiratory medical device. Call a physician if symptoms develop or persist.
Ingestion If material is ingested, immediately contact a physician or poison control center. Have victim rinse mouth thoroughly with water. Do not induce vomiting without medical advice. If vomiting occurs naturally, have victim lean forward to reduce risk of aspiration. Do not use mouth-to-mouth method if victim ingested the substance. Induce artificial respiration with the aid of a pocket mask equipped with a one-way valve or other proper respiratory medical device.
General advice Ensure that medical personnel are aware of the material(s) involved, and take precautions to protect themselves. In case of shortness of breath, give oxygen. In the case of accident or if you feel unwell, seek medical advice immediately (show the label where possible).

5. Fire Fighting Measures

Flammable properties None known.

Extinguishing media

Suitable extinguishing media Small Fires: Dry chemical, CO2, water spray or regular foam.
Large Fires: Water spray, fog or regular foam.

6. Accidental Release Measures

Personal precautions Do not touch or walk through spilled material. Do not touch damaged containers or spilled material unless wearing appropriate protective clothing. Keep people away from and upwind of spill/leak.

Environmental precautions Prevent further leakage or spillage if safe to do so. Do not contaminate water.

Methods for containment Stop the flow of material, if this is without risk.

Methods for cleaning up Should not be released into the environment. Sweep up or gather material and place in appropriate container for disposal. Avoid dust formation. Small Dry Spills: With clean shovel place material into clean, dry container and cover loosely; move containers from spill area.

7. Handling and Storage

Handling Do not get this material in your eyes, on your skin, or on your clothing. Do not breathe gas/fumes/vapor/spray.

Storage Keep container tightly closed. Keep the container dry. Store in cool place. Keep in a well-ventilated place. Keep out of the reach of children. Use care in handling/storage. Keep this material away from food, drink and animal feed.

8. Exposure Controls / Personal Protection

Exposure guidelines

ACGIH - Threshold Limits Values - Ceilings (TLV-C)

Sodium Hydroxide 1310-73-2 2 Mg/m3 Ceiling

ACGIH - Threshold Limits Values - TLV Basis - Critical Effects

Sodium Hydroxide 1310-73-2 irritation

OSHA - Final PELs - Time Weighted Averages (TWAs)

Sodium Hydroxide 1310-73-2 2 Mg/m3 TWA

Engineering controls Use process enclosures, local exhaust ventilation, or other engineering controls to control airborne levels below recommended exposure limits.

Personal protective equipment

Eye / face protection Avoid contact with skin, eyes and clothing.

Applicable for industrial settings only. Wear safety glasses with side shields. or Wear chemical goggles. Face-shield.

Skin protection Applicable for industrial settings only. Wear chemical protective equipment that is specifically recommended by the manufacturer. It may provide little or no thermal protection. Wear appropriate chemical resistant gloves. Use chemical splash goggles and face shield (ANSI Z87.1 or approved equivalent). Avoid contact with the skin. Wear suitable protective clothing.

Respiratory protection Applicable for industrial settings only. When workers are facing concentrations above the exposure limit they must use appropriate certified respirators.

General hygiene considerations Keep away from food and drink. Handle in accordance with good industrial hygiene and safety practice. Avoid contact with the skin and the eyes.

9. Physical & Chemical Properties

Appearance Not available

Clarity Not available

Color Not available

Form Solid.

Odor Not available

Odor threshold Not available

Physical state Solid.

pH 12 - 14

Melting point Not available

Freezing point Not available

Boiling point Not available

Flash point	239.0 °F (115 °C) estimated
Evaporation rate	Not available
Flammability limits in air, lower, % by volume	Not available
Flammability limits in air, upper, % by volume	Not available
Vapor pressure	Not available
Vapor density	Not available
Specific gravity	0.92 - 0.96
Relative density	Not available
Solubility (H2O)	Not available
Octanol/H2O coeff	Not available
Auto-ignition temperature	Not available
Decomposition temperature	Not available
VOC (Weight %)	0 % estimated

10. Chemical Stability & Reactivity Information

Chemical stability	Stable at normal conditions.
Incompatible materials	None known.
Possibility of hazardous reactions	Will not occur.

11. Toxicological Information

Acute effects	Causes burns. Causes severe burns. Acute LD50: 29558 mg/kg estimated, Rat, Dermal Acute LD50: 29542 mg/kg estimated, Rat, Oral
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Component analysis - LD50

Toxicology Data - Selected LD50s and LC50s

Sodium Hydroxide	1310-73-2	Dermal LD50 Rabbit: 1350 mg/kg
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Local effects	Causes skin and eye burns. Irritating to respiratory system.
Chronic effects	Prolonged exposure may cause chronic effects.

12. Ecological Information

Ecotoxicity	This material is not expected to be harmful to aquatic life. Components of this product are hazardous to aquatic life.
Environmental effects	Harmful to aquatic life.

13. Disposal Considerations

Waste codes	D002: Waste Corrosive material [pH <=2 or >=12.5, or corrosive to steel]
Disposal instructions	Dispose in accordance with all applicable regulations. Must be incinerated in a suitable incineration plant holding a permit delivered by the competent authorities. Incinerate the material under controlled conditions in an approved incinerator.

14. Transport Information

Department of Transportation (DOT) Requirements

<= 5 Kg (11 lbs)

Basic shipping requirements:

Proper shipping name	Consumer commodity
Hazard class	ORM-D

Additional information:

Packaging exceptions	156, 306
Packaging non bulk	156, 306
Packaging bulk	None
ERG number	154

Department of Transportation (DOT) Requirements

Basic shipping requirements:

Proper shipping name	Corrosive solids, n.o.s. (SODIUM HYDROXIDE RQ = 22 lbs)
Hazard class	8
UN number	UN1759
Packaging group	III
Additional information:	
Special provisions	128, IB8, IP3
Packaging exceptions	154
Packaging non bulk	213
Packaging bulk	240
ERG number	154



IATA

Basic shipping requirements:

Proper shipping name	Corrosive solid, n.o.s. (SODIUM HYDROXIDE)
Hazard class	8
UN number	1759
Packaging group	III
Packaging instructions	822



IMDG

Basic shipping requirements:

Proper shipping name	CORROSIVE SOLID, N.O.S. (SODIUM HYDROXIDE)
Hazard class	8
UN number	1759
Packaging group	III



15. Regulatory Information

US federal regulations

This product is a "Hazardous Chemical" as defined by the OSHA Hazard Communication Standard, 29 CFR 1910.1200.

FDA - Direct Food Additives

Sodium Hydroxide 1310-73-2 21 CFR 173.310

FDA - Food Additives Generally Recognized as Safe (GRAS)

Sodium Hydroxide 1310-73-2 21 CFR 184.1763

Occupational Safety and Health Administration (OSHA)

29 CFR 1910.1200 hazardous chemical Yes

CERCLA (Superfund) reportable quantity None

Superfund Amendments and Reauthorization Act of 1986 (SARA)

Hazard categories
Immediate Hazard - Yes
Delayed Hazard - Yes
Fire Hazard - No
Pressure Hazard - No
Reactivity Hazard - No

Section 302 extremely hazardous substance No

Section 311 hazardous chemical Yes

Inventory status

Country(s) or region	Inventory name	On inventory (yes/no)*
Australia	Australian Inventory of Chemical Substances (AICS)	No
Canada	Domestic Substances List (DSL)	No
Canada	Non-Domestic Substances List (NDSL)	No
China	Inventory of Existing Chemical Substances in China (CCS)	No
Europe	European Inventory of New and Existing Chemicals (EINECS)	No
Europe	European List of Notified Chemical Substances (ELINCS)	No
Japan	Japanese Inventory of Existing and New Chemical Substances (ENCS)	No
Korea	Korean Inventory of Chemicals (KICS)	No
New Zealand	New Zealand Inventory	No
Philippines	Philippine Inventory of Chemicals and Chemical Substances (PICCS)	No
United States & Puerto Rico	Toxic Substances Control Act (TSCA) Inventory	No

A "Yes" indicates that all components of this product comply with the inventory requirements administered by the governing country(s)

International regulations

The product is classified and labelled in accordance with EC directives or respective national laws.

State regulations

This product does not contain a chemical known to the State of California to cause cancer, birth defects or other reproductive harm.

Massachusetts - Right To Know List

Sodium Hydroxide 1310-73-2 Present

New Jersey - Right to Know Hazardous Substance List

Sodium Hydroxide 1310-73-2 sn 1706

Pennsylvania - RTK (Right to Know) List

Sodium Hydroxide 1310-73-2 Environmental hazard

16. Other Information**HMIS ratings**

Health: 3*
Flammability: 1
Physical hazard: 0

NFPA ratings

Health: 3
Flammability: 1
Instability: 0

Disclaimer

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.

Issue date

06-Jan-2006