

# MATERIAL SAFETY DATA SHEET

## 1. Product and Company Identification

**Material name** BARBER SELECT REGULAR TEXTURIZING RELAXER  
**Revision date** 30-Apr-2007  
**CAS #** Mixture  
**Product use** Hair Relaxer  
**Company information** PRO-LINE INTERNATIONAL  
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 skin and eye burns. Irritating to respiratory system. Also harmful if swallowed.  
**Potential health effects**  
**Routes of exposure** Skin contact. Ingestion.  
**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. Irritating to mouth, throat, and stomach.  
**Target organs** Eyes. Skin.

## 3. Composition / Information on Ingredients

Components	CAS #	Percent
SODIUM HYDROXIDE, 20%	1310-73-2	< 10

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 immediately with plenty of water. Remove and isolate contaminated clothing and shoes. For minor skin contact, avoid spreading material on unaffected skin. Get medical attention if irritation develops or persists.  
**Inhalation** Move to fresh air. Call a physician if symptoms develop or persist.  
**Ingestion** If material is ingested, immediately contact a physician or poison control center. 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.  
**Notes to physician** Symptoms may be delayed.  
**General advice** Ensure that medical personnel are aware of the material(s) involved, and take precautions to protect themselves. Immediate medical attention is required. Keep victim warm. In case of shortness of breath, give oxygen. Call a physician if symptoms develop or persist.

## 5. Fire Fighting Measures

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

Material name: BARBER SELECT REGULAR TEXTURIZING RELAXER  
Formula: 95937 Version #: 1.0 Revision date: 30-APR-2007 Print date: 30-APR-2007

MSDS US  
1 / 5

## 6. Accidental Release Measures

<b>Environmental precautions</b>	Prevent further leakage or spillage if safe to do so. Do not contaminate water.
<b>Methods for cleaning up</b>	Should not be released into the environment. Sweep up or gather material and place in appropriate container for disposal.

## 7. Handling and Storage

<b>Handling</b>	Do not get this material in your eyes, on your skin, or on your clothing. Do not breathe gas/fumes/vapor/spray.
<b>Storage</b>	Keep container tightly closed. Keep the container dry. Store in cool 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, 20% 1310-73-2 2 Mg/m3 Ceiling

#### ACGIH - Threshold Limits Values - TLV Basis - Critical Effects

SODIUM HYDROXIDE, 20% 1310-73-2 eye, skin and upper respiratory tract irritation

#### OSHA - Final PELs - Time Weighted Averages (TWAs)

SODIUM HYDROXIDE, 20% 1310-73-2 2 Mg/m3 TWA

<b>Engineering controls</b>	Use process enclosures, local exhaust ventilation, or other engineering controls to control airborne levels below recommended exposure limits.
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### Personal protective equipment

**Eye / face protection** Avoid contact with eyes.

Applicable for industrial settings only. Goggles.

**Skin protection** Avoid contact with the skin and the eyes.

Applicable for industrial settings only. Wear appropriate chemical resistant gloves. Use chemical splash goggles and face shield (ANSI Z87.1 or approved equivalent).

**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

<b>Appearance</b>	Not available
<b>Clarity</b>	Not available
<b>Color</b>	Not available
<b>Form</b>	Solid.
<b>Odor</b>	Not available
<b>Odor threshold</b>	Not available
<b>Physical state</b>	Solid.
<b>pH</b>	Not available
<b>Melting point</b>	Not available
<b>Freezing point</b>	Not available
<b>Boiling point</b>	Not available
<b>Flash point</b>	217.4 °F (103 °C) estimated
<b>Evaporation rate</b>	Not available
<b>Flammability limits in air, lower, % by volume</b>	Not available
<b>Flammability limits in air, upper, % by volume</b>	Not available
<b>Vapor pressure</b>	Not available
<b>Vapor density</b>	Not available
<b>Specific gravity</b>	0.92 - 0.97 G/mL
<b>Relative density</b>	Not available
<b>Solubility (H2O)</b>	Not available
<b>Octanol/H2O coeff</b>	Not available
<b>Auto-ignition temperature</b>	699.8 °F (371 °C) estimated

Material name: BARBER SELECT REGULAR TEXTURIZING RELAXER  
Formula: 95937 Version #: 1.0 Revision date: 30-APR-2007 Print date: 30-APR-2007

MSDS US  
2 / 5

Decomposition temperature Not available  
VOC (Weight %) 7 % estimated  
Viscosity 160000 - 340000 cps

## 10. Chemical Stability & Reactivity Information

Incompatible materials Amines. Caustics. Isocyanates. Strong acids. Strong oxidizing agents.

## 11. Toxicological Information

Acute effects Causes burns. Acute LD50: 7059 mg/kg, Rat, Dermal

### Component analysis - LD50

#### Toxicology Data - Selected LD50s and LC50s

SODIUM HYDROXIDE, 20% 1310-73-2 Dermal LD50 Rabbit: 1350 mg/kg

Local effects Irritating to eyes and skin.

Chronic effects Prolonged exposure may cause chronic effects.

## 12. Ecological Information

Ecotoxicity Components of this product are hazardous to aquatic life.

### Environmental effects

#### Ecotoxicity - Freshwater Fish Species Data

SODIUM HYDROXIDE, 20% 1310-73-2 96 Hr LC50 Oncorhynchus mykiss: 45.4 mg/L [static]

## 13. Disposal Considerations

Disposal instructions This product, in its present state, when discarded or disposed of, is not a hazardous waste according to Federal regulations (40 CFR 261.4 (b)(4)). Under RCRA, it is the responsibility of the user of the product to determine, at the time of disposal, whether the product meets RCRA criteria for hazardous waste.

## 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)

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, 20% 1310-73-2 21 CFR 173.310  
**FDA - Food Additives Generally Recognized as Safe (GRAS)**  
 SODIUM HYDROXIDE, 20% 1310-73-2 21 CFR 184.1763

**Occupational Safety and Health Administration (OSHA)**

**29 CFR 1910.1200 hazardous chemical** Yes

**CERCLA (Superfund) reportable quantity** SODIUM HYDROXIDE, 20%: 1000

**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)

Material name: BARBER SELECT REGULAR TEXTURIZING RELAXER  
 Formula: 95937 Version #: 1.0 Revision date: 30-APR-2007 Print date: 30-APR-2007

MSDS US  
 4 / 5

**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, 20% 1310-73-2 Present

**New Jersey - Right to Know Hazardous Substance List**

SODIUM HYDROXIDE, 20% 1310-73-2 sn 1706

**Pennsylvania - RTK (Right to Know) List**

SODIUM HYDROXIDE, 20% 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**

30-Apr-2007