

# MATERIAL SAFETY DATA SHEET

(Prepared According to 29 CFR 1910,1200)

Prepared by: \_\_\_\_\_

Effective Date: 8/02

N/A=Not Applicable

## SECTION 1 - PRODUCT IDENTIFICATION

**Product Name:** Restore  
**Generic Name:** Cleaner  
**Suppliers Name:** Ultra Chem, Inc.  
**Suppliers Address:** 8043 Flint  
Lenexa, KS 66214  
**Chemical Family:** Liquid Cleaner  
**Formula:** U1246  
**Information Phone Number:** 913-492-2929  
**Emergency Phone Number:** 800-451-0726  
**Proper Shipping Name:** Corrosive Liquids, N.O.S., 8, UN1760, PG III, (Contains: Caustic Soda)

### HMIS Hazardous Materials Identification System

Health	1
Flammability	0
Reactivity	1
Maximum Personal Protection	D

## SECTION 2 - HAZARDOUS INGREDIENTS

CHEMICAL NAME	CAS NO.	WT.%	PEL	TWA-TLV	STEL-TLV	CARCINOGEN
Sodium Hydroxide	1310-73-2	< 5	No Info	2mg/m <sup>3</sup>	2mg/m <sup>3</sup>	No
Diethanolamine	111-42-2	< 0.5	3 ppm	No Info	3 ppm	No
Dodecylbenzene Sulfonic Acid	7664-93-9	< 8	No Info	No Info	No Info	No

This product contains the following toxic chemicals subject to the reporting requirements of section 313 of the Emergency Planning and Community Right-To-Know Act of 1986 and of CFR 372:

CAS#	Chemical Name	Percent by Weight
1310-73-2	Sodium Hydroxide	2.2
111-42-2	Diethanolamine	0.4

## SECTION 3 - PHYSICAL DATA

**Boiling Range (°F):** 212 - 289°  
**Vapor Pressure:** N/A  
**% Volatile:** > 75  
**Solubility in Water:** Complete  
**Physical Description:** Clear Blue Liquid with Mint Odor.  
**Specific Gravity:** 1.025 ± .010  
**Vapor Density:** N/A  
**pH:** 10.0 - 11.0  
**Evaporation Rate:** N/A

## SECTION 4 - FIRE AND EXPLOSION HAZARD DATA

**Flash Point (Method Used):** N/A  
**Upper Explosive Limit:** N/A  
**Lower Explosive Limit:** N/A  
**Extinguishing Media:** Appropriate for surrounding fire.  
**Special Fire Fighting Procedures:** N/A  
**Unusual Fire and Explosion Hazards:** N/A

## SECTION 5 - REACTIVITY DATA

**Stability:** Stable  
**Incompatibility (Materials to Avoid):** Strong Acids.  
**Hazardous Decomposition Products:** Unknown  
**Hazardous Polymerization:** Will not occur.

## SECTION 6 - STORAGE AND HANDLING INFORMATION

**Precautions to be Taken in Handling and Storage:** Keep out of reach of children.  
Keep container tightly sealed when not in use.  
For Trained Industrial and Institutional Personnel Only.

## SECTION 7 - HEALTH HAZARDS AND FIRST AID

**Effects of Overexposure:**  
**Primary Route of Entry:**  
**Skin:** Skin irritant. Prolonged or repeated exposure may cause moderate reddening or swelling.  
**Eyes:** Severe eye irritant. Liquid and mists may cause corneal damage.  
**Inhalation:** Vapors may be irritating to mucous membranes of the nose, throat, and lungs.  
**Ingestion:** May be irritating to the mouth, throat, esophagus, and gastrointestinal system. Vomiting, and diarrhea expected with large doses.

**First Aid Procedures:**  
**Skin:** Flush with water 15 minutes while removing contaminated clothing and shoes. Thoroughly clean clothing before reuse.  
**Eyes:** Flush eyes with water for 15 minutes while holding eyelids apart to ensure total flushing. Seek immediate medical attention.  
**Inhalation:** Remove to fresh air. If breathing has stopped, give artificial respiration. If breathing difficult, give oxygen. Seek medical attention.  
**Ingestion:** Do not induce vomiting. Rinse mouth with water. If conscious, dilute stomach contents by drinking water. Keep head below hips to prevent breathing vomit into lungs. Seek medical attention.

## SECTION 8 - SPECIAL PROTECTION INFORMATION

**Respiratory Protection:** Use with adequate ventilation.  
**Protective Gloves:** Waterproof recommended.  
**Other Protective Equipment:** N/A

**Ventilation:** Good general ventilation should be sufficient for most conditions. Local exhaust ventilation may be necessary for some operations.  
**Eye Protection:** Safety glasses recommended.

## SECTION 9 - SPILL OR LEAK PROCEDURES

**Steps to be Taken in Case Material is Released or Spilled:**  
Wear appropriate protective and respiratory equipment.  
Prevent spills from entering sewers or any unauthorized water systems.

**Waste Disposal Method:**  
Dispose in accordance with appropriate Federal, State and Local regulations.