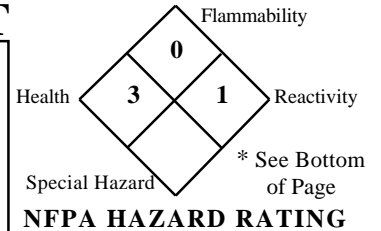


# MATERIAL SAFETY DATA SHEET

Distributed By:

**HILLYARD, INC.**

302 N. Fourth St.  
St. Joseph, Missouri 64502



Product Name: **Prelude XTRA**

EMERGENCY PHONE #: 1-800-424-9300 (CHEMTREC)

## I. IDENTIFICATION

**Chemical Name And**

**Synonyms:** Not applicable

**DOT Shipping Name**

Sodium Hydroxide Solution

**Chemical**

**Family:** Alkali

**DOT Hazard Class & I.D. Number**

Corrosive Material UN1824

# PG

8 II

## II. HAZARDOUS INGREDIENTS

| Component        | CAS NO.   | %  | TLV     | PEL     | Toxic | Hazard                     |
|------------------|-----------|----|---------|---------|-------|----------------------------|
| Sodium hydroxide | 1310-73-2 | 33 | 2 gm/M3 | 2 gm/M3 | NA    | Corrosive to eyes and skin |

\*\* Toxic chemical subject to the reporting requirements of Section 313 of the Emergency Planning and Community Right-To-Know Act of 1986 (40 CFR §372).

NA: Not applicable

## III. PHYSICAL DATA

**Boiling Point:** Above 220°F

**Specific Gravity:** 1.358

**Appearance:** Clear, blue liquid

**Form:** Liquid

**Solubility In Water:** Complete

**Odor:** None

**pH, 1%** 12.8

## IV. FIRE AND EXPLOSION HAZARD DATA

**Flashpoint:** Not Applicable

**Extinguishing Media:** Not applicable.

**Special Fire**

**Fighting Procedures:** Although this product is not combustible, if a fire occurs in the near vicinity, good fire-fighting practice dictates the use of self-contained breathing apparatus and other protective gear. Use water spray to cool fire exposed containers.

**Unusual Fire And**

**Explosion Hazards:** If the stock solution container breaks, the solution should be handled with care as it is corrosive.

## V. HEALTH HAZARD DATA

**Carcinogenic:** The raw materials used in this product are not considered to be a carcinogen by ACGIH and OSHA.

**Effects Of**

**Over-exposure:** Corrosive; May cause severe burns or irritation. May cause irreversible damage to eyes in some cases.

**Emergency And First**

**Aid Procedures:** **EYES:** Flush immediately with water for 15 minutes, raise eyelids for complete rinsing. Get prompt medical attention.

**SKIN:** Flush with water for 15 minutes. Get medical attention as soon as possible. Remove contaminated clothing, wash contaminated clothing before reuse.

**INGESTION:** DO NOT induce vomiting. Give large amounts of water or milk. Get immediate medical attention. Never give anything by mouth to an unconscious person.

\* NFPA Degree or Hazard: 4 = Extreme; 3 = High; 2 = Moderate; 1 = Slight; 0 = Insignificant.

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## VI. REACTIVITY DATA

Stability - Unstable:  Stable:

**Conditions To Avoid:** Do not mix with acids.

**Incompatibility:** Reacts vigorously with strong acids.  
(Materials To Avoid)

### Hazardous

**Decomposition Products:** Not applicable.

## VII. SPILL OR LEAK PROCEDURES

**Steps To Be Taken In Case Material Is Released Or Spilled:** Small spills can be diluted with a large amount of water and flushed to sanitary sewer. For large spills, dike, neutralize the product with dilute acid.

**Waste Disposal Method:** Dispose according to Federal, State and local regulations.

## VIII. SPECIAL PROTECTION INFORMATION

### Respiratory

**Protection:** Not required for normal use. If mist level is high, wear NIOSH approved respirator.

**Ventilation:** Adequate to keep mist level below the TLV.

**Protective Gloves:** Chemical resistant.

**Eye Protection:** Chemical goggles.

**Protective Clothing:** If contact with large amounts is anticipated, rubber apron and boots.

## IX. SPECIAL PRECAUTIONS

### Precautions To Be Taken

**In Handling And Storing:** Wear protective equipment, wash after handling. Keep container closed.

**Other Precautions:** Safety shower and eyewash stations should be provided in the areas where this product is handled.

## X. REVISED INFORMATION

**MSDS Status:** color change

**Revised:** 6/18/1999 lmt

**Supersedes:** 4/22/1999