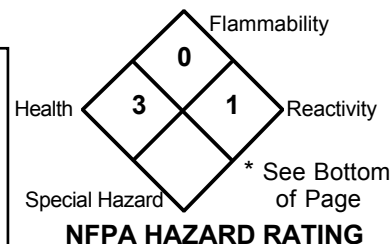


# MATERIAL SAFETY DATA SHEET



Manufactured by:  
**ANDERSON Chemical Company**  
Litchfield, Minnesota 55355-1041  
(320) 693-2477



Product Name: **PRELUDE**

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

Revised: 6/8/2006 lmt  
Supersedes: 11/2/2001

## 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% Soln.:** 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. Direct contact with water can cause a violent exothermic reaction.

## 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. Causes irritation (possibly severe), burns to the eyes. May cause permanent eye damage. Causes irritation (possibly severe), burns to the skin. Causes irritation (possibly severe), burns, pulmonary edema to the respiratory tract. Causes irritation (possibly severe), burns, nausea, vomiting to the gastrointestinal tract. The severity of effects depend on concentration and how soon after exposure the area is washed.

### Emergency And First

**Aid Procedures:** EYES: Flush with water for 15 minutes, raise eyelids for complete rinsing. Get immediate medical attention.  
SKIN: Immediately flush with water for 15 minutes. Remove contaminated clothing and wash before reuse. Get immediate medical attention if irritation persists. Discard contaminated leather goods.  
INGESTION: Do not induce vomiting. Give large quantities of water. Get immediate medical attention. Never give anything by mouth to an unconscious or convulsing 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: X**

**Conditions To Avoid:** Acid or incompatible materials may cause splattering and release of large amounts of heat. Will react with some metals forming flammable hydrogen gas.

**Incompatibility:** Acids, halogenated compounds, prolonged contact with aluminum, brass, bronze, copper, lead, tin, zinc or other alkali sensitive  
(Materials To Avoid) metals or alloys. Avoid contact with leather, wool, organic nitro compounds.

**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 drain.  
Large spills, wear appropriate personal protection and completely contain spilled material. Recover as much material as possible into containers for disposal or reuse. Remaining material may be diluted with water and neutralized with dilute acid. Flush spill area with water followed by a liberal covering of sodium bicarbonate.

**Waste Disposal Method:** Dispose of in accordance with federal, state or local disposal authorities.

## 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:

Do not get in eyes, on skin, or clothing. Wash thoroughly after handling. Do not breathe vapors or mists. Use with adequate ventilation. Keep containers tightly closed and properly labeled. NEVER add water to product. ALWAYS add product, with constant stirring, slowly to surface of water to minimize heat generation and spattering.

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

## X. REVISED INFORMATION

**MSDS Status:** Updated supplier information