

# MATERIAL SAFETY DATA SHEET

Manufactured by:

**Anderson**

**Chemical Company**

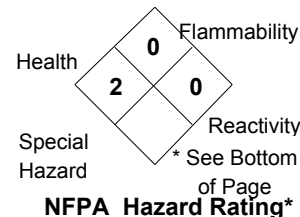
325 SOUTH DAVIS AVENUE  
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Product Name: **Defy GSP**

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

Revised: 12/30/2008 lmt  
Supersedes: 9/10/2007



## I. IDENTIFICATION

### Chemical Name And Synonyms:

Not applicable

### DOT Shipping Name

Sodium Hydroxide Solution

### Chemical Family:

Not applicable

### 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	<10	2 mg/M3	2 mg/M3	NA	Corrosive to skin and eyes.
Trade Secret	TSRN 3475		NE	NE	NA	Eye and skin irritant.
Trade Secret	TSRN 8250		NE	NE	NA	May cause irritation to the eyes, skin, and respiratory tract.

\*\*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  
NE: Not established

## III. PHYSICAL DATA

Boiling Point: Above 212° F.  
Specific Gravity: 1.085  
Appearance: Clear, red liquid

Form: Liquid  
Solubility In Water: Complete  
Odor: None

pH, 1% Soln.: 11.9

## IV. FIRE AND EXPLOSION HAZARD DATA

Flashpoint: Not Applicable

Extinguishing Media: Not applicable

Special Fire Although this product is not combustible, if a fire occurs in the near vicinity, good firefighting practice dictates the use of self-Fighting Procedures: contained breathing apparatus and other protective gear.

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: Causes irritation (possibly severe), burns to the eyes and skin. May cause permanent eye damage. Causes irritation, possibly severe 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 immediately with water for 15 minutes, raise eyelids for complete rinsing. Get prompt medical attention.

SKIN: Flush with water for 15 minutes, remove contaminated clothing. If irritation persists, get medical attention. Wash contaminated clothing before reuse.

INGESTION: Rinse mouth with water. Give water to dilute. Do not induce vomiting. Get immediate medical attention. Never give anything by mouth to a semicomatose, comatose, convulsing or unconscious person.

INHALATION: Remove to fresh air. If breathing is difficult, get immediate medical attention.

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

HMIS A. Safety Glasses B. Safety Glasses, Gloves C. Safety Glasses, Gloves, Apron D. Face Shield, Gloves, Apron E. Safety Glasses, Gloves, Dust Respirator F. Safety Glasses, Gloves, Apron, Dust Respirator G. Safety Glasses, Gloves, Vapor Respirator H. Splash Goggles, Gloves, Apron, Vapor Respirator I. Safety Glasses, Gloves, Vapor and Dust Respirator J. Splash Goggles, Gloves, Apron, Vapor and Dust Respirator K. Air Line, Hood or Mask, Gloves, Full Suit, Boots X. Ask your supervisor for guidance.

## VI. REACTIVITY DATA

**Stability - Unstable:** **Stable: x**  
**Conditions To Avoid:** None

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

**Hazardous** Not applicable

**Decomposition Products:**

## VII. SPILL OR LEAK PROCEDURES

**Steps To Be Taken In Case Material Is Released Or Spilled:**

Wear appropriate personal protective equipment. Small spills can be diluted with a large amount of water and flushed to sanitary sewer. For large spills, dike, absorb with an inert material. Residue may be diluted with water and neutralized with dilute acid.

**Waste Disposal Method:** Dispose of the product according to local, state or federal regulations.

## VIII. SPECIAL PROTECTION INFORMATION

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

**Ventilation:** Should be adequate to keep mist level below the TLV.

**Protective Gloves:** Rubber or chemical resistant

**Eye Protection:** Chemical goggles.

**Protective Clothing:** Wear protective clothing appropriate to use conditions.

## IX. SPECIAL PRECAUTIONS

**Precautions To Be Taken In Handling And Storing:**

Wear protective glasses and gloves. Wash after handling. Keep container closed and sealed. Safety shower and eyewash stations should be provided in the areas where this product is handled.

**Other Precautions** Not applicable

## X. REVISED INFORMATION

**MSDS Status:** added water conditioner to product.

The opinions expressed herein are those of qualified experts within *ANDERSON* Chemical Company. We believe that the information contained herein is current as of the date of this Material Safety Data Sheet. Since the use of this information and these opinions and the conditions of use of the product are not within the control of *ANDERSON* Chemical Company, it is the user's obligation to determine the conditions of safe use of the product.