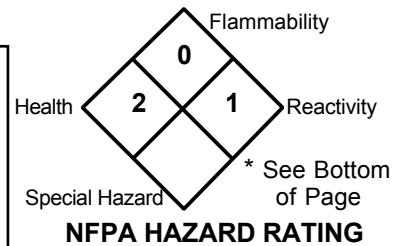


# MATERIAL SAFETY DATA SHEET



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



Product Name: **PROTECT**

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

Revised: 3/22/2004 Imt  
 Supersedes: 3/7/2003

## I. IDENTIFICATION

**Chemical Name And Synonyms:**  
 Not applicable

**DOT Shipping Name**  
 Compounds, Cleaning Liquid  
 (Sodium Hydroxide/Sodium Hypochlorite)

**Chemical Family:**  
 Alkali

**DOT Hazard Class & I.D. Number** # **PG**  
 Corrosive Material NA1760 8 II

## II. HAZARDOUS INGREDIENTS

Component	CAS NO.	%	TLV	PEL	Toxic	Hazard
Sodium hydroxide	1310-73-2	<6.5	2 mg/M3		NA	Corrosive to skin and eyes.
Sodium Hypochlorite	7681-52-9	3	NE	NE	NA	Irritant to skin, eyes, and mucous membranes.
Trade Secret	TSRN 1800		NE	NE	NA	May cause eye irritation.
Trade Secret	TSRN 2398		NE	NE	NA	Slight eye irritant.
Trade Secret	TSRN 5890		NE	NE	NA	Irritant to skin, eyes, 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

## III. PHYSICAL DATA

**Boiling Point:** About 212° F.

**Form:** Liquid

**pH, 1% Soln.:** 11.8

**Specific Gravity:** 1.176

**Solubility In Water:** Complete

**Appearance:** Pale yellow, clear to slightly cloudy

**Odor:** Slight chlorine odor

## 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.

### Unusual Fire And

**Explosion Hazards:** If the stock solution container breaks, the product 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. If irritation persists, get medical attention. Remove contaminated clothing and wash before reuse.

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

## VI. REACTIVITY DATA

Stability - Unstable:                      Stable: **X**

**Conditions To Avoid:** Store separately from acids.

**Incompatibility:** Reacts vigorously with strong acids liberating chlorine gas.  
(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 larger spills, dike, then neutralize chlorine by adding sodium sulfite, sodium bisulfite or sodium thiosulfate; then neutralize alkalinity by adding a dilute acid.

**Waste Disposal Method:** Dispose according to governmental regulations. Neutralized wastes can usually be disposed of in a landfill or by diluting with a large amount of water and discharging to a sanitary sewer.

## 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, face shield.

**Protective Clothing:** Wear protective clothing along with rubber shoes or boots.

## IX. SPECIAL PRECAUTIONS

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

Wear protective equipment. Wash after handling. Safety showers and eyewash stations should be provided in the areas where this product is handled. Keep containers closed and sealed.

**Other Precautions:** Not applicable.

## X. REVISED INFORMATION

**MSDS Status:** New and improved formula.