

# MATERIAL SAFETY DATA SHEET

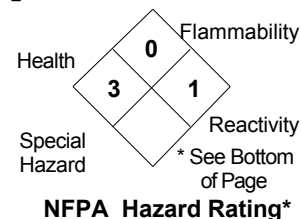
Manufactured by:

**SURFLEX**<sup>®</sup>  
SERIES

**Anderson  
Chemical Company**

325 SOUTH DAVIS AVENUE  
LITCHFIELD, MINNESOTA 55355  
(320) 693-2477

Health 3  
Flammability 0  
Reactivity 1  
Personal Protection X  
HMIS Rating System\*



Product Name: **Cutter Board Plus**

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

Revised: 10/16/2006 lmt

Supersedes: 2/18/2004

## I. IDENTIFICATION

### Chemical Name And Synonyms:

Not applicable

### Chemical Family:

Alkali

### DOT Shipping Name

Compounds, Cleaning Liquid  
(Potassium Hydroxide/Sodium hypochlorite)

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

Corrosive Material NA1760

# PG  
8 II

## II. HAZARDOUS INGREDIENTS

Component	CAS NO.	%	TLV	PEL	Toxic	Hazard
Potassium hydroxide	1310-58-3	<15	2 mg/M3	2 mg/M3	NA	Corrosive to skin & eyes.
Tetrapotassium pyrophosphate	7320-34-5	<10	NE	NE	NA	Causes eye irritation. May cause skin irritation
Sodium hypochlorite	7681-52-9	<5	NE	NE	NA	Irritant to skin, eyes, and mucous membranes.

\*\*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: 271° F.

Specific Gravity: 1.215

Appearance: Clear, pale yellow liquid

Form: Liquid

Solubility In Water: Complete

Odor: Slight chlorine odor

pH, 1% Soln.: 12.3

## IV. FIRE AND EXPLOSION HAZARD DATA

Flashpoint: Not Applicable

Extinguishing Media: Use media appropriate to surrounding fire.

### Special Fire

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

### 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, NTP, IARC and OSHA.

Effects Of Over-exposure: 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: Immediately 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. 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.  
INHALATION: Move person to fresh air. If breathing stops, administer artificial respiration. If breathing is difficult, have a trained person administer oxygen. 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, Apron F. Safety Glasses, Apron, Dust Respirator G. Safety Glasses, Gloves, Vapor Respirator H. Splash Goggles, Gloves, Apron, Vapor Respirator I. Safety Glasses, Apron, Vapor and Dust Respirator J. Splash Goggles, 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:** Carbon monoxide gas may form upon contact with reducing sugars, food and beverage products in enclosed spaces.

**Incompatibility:** Acids (reacts vigorously with strong acids liberating chlorine gas), halogenated compounds, prolonged contact with aluminum, brass, bronze, copper, lead, tin, zinc or other alkali sensitive metals or alloys.  
(Materials To Avoid)

### Hazardous

**Decomposition Products:** Oxides of phosphorus and potassium; phosphoric acid.

## 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, evacuate unnecessary personnel. Wear appropriate protective gear. Completely contain spilled material with dikes or sandbags, etc., and prevent run-off into ground or surface waters or sewers. Recover as much material as possible into containers for disposal. Neutralize chlorine by adding sodium sulfite, sodium bisulfite or sodium thiosulfate; then neutralize alkalinity by adding a dilute acid. Flush spill area with water followed by a covering of sodium bicarbonate. Neutralization products, both solid and liquid, must be recovered for disposal.

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

## 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 if splashing is possible.

**Protective Clothing:** Wear protective clothing along with rubber shoes or boots depending on the possibility of contact.

## IX. SPECIAL PRECAUTIONS

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

Avoid breathing mist/vapors. Do not get in eyes, on skin, or clothing. Wash thoroughly after handling. When mixing, slowly add to water to minimize heat generation and spattering. Use care when handling hot material. Store in accordance with all current regulations and standards. Keep containers tightly closed and properly labeled. Do not store in aluminum container or use aluminum fittings or transfer lines, as flammable hydrogen gas can be generated. Keep separated from incompatible materials.

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

## X. REVISED INFORMATION

**MSDS Status:** Updated