

MATERIAL SAFETY DATA SHEET

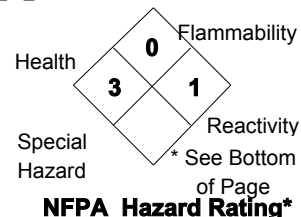
Manufactured by:

SURFLEX
SERIES

**Anderson
Chemical Company**

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LITCHFIELD, MINNESOTA 55355
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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: 10/1/2011 lmt
Supersedes: 10/16/2006

I. IDENTIFICATION

Chemical Name And Synonyms:

Not applicable

DOT Shipping Name

Compounds, Cleaning Liquid
(Potassium Hydroxide/Sodium hypochlorite)

Chemical Family:

Alkali

DOT Hazard Class & I.D. Number

Corrosive Material NA1760

PG

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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: Not established

Specific Gravity: 1.215

Appearance: Clear, pale yellow liquid

Form: Liquid

Solubility In Water: Complete

Odor: Slight chlorine

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. Cool fire-exposed containers with water. Move fire exposed containers if it can be done without risk.

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 NTP, IARC, 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 immediately with water for 15 minutes. Lift upper and lower eyelids for complete rinsing. Get immediate medical attention.

Skin: Flush with water for 15 minutes. If irritation persists after rinsing, get medical attention. Remove contaminated clothing and wash 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 semi-comatose, comatose, convulsing or unconscious person.

Inhalation: Remove victim from immediate source of exposure to fresh air. If breathing is difficult, administer oxygen if available. If victim is not breathing, administer CPR. If individual experiences nausea, headache, or dizziness, get immediate medical attention.

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

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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: Will react with some metals forming flammable hydrogen gas. Will react with acids to produce chlorine gas.

Incompatibility: Acids, ammonia, ether, halogenated compounds, oxidizing agents, reducing agents, oxidizable or combustible materials such as wood, cloth or organic materials, prolonged contact with aluminum, brass, bronze, copper, lead, tin, zinc or other alkali sensitive metals or alloys. Avoid contact with heavy metal such as iron, magnesium, aluminum, manganese, chromium, nickel and their alloys. Avoid contact with leather, wool, organic nitro compounds.
(Materials to Avoid)

Hazardous Decomposition Products: Toxic fumes of sodium oxide, HOCL, chlorine, HCl, NaCl, sodium chlorate and oxygen.

VII. SPILL OR LEAK PROCEDURES

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

Evacuate nonessential personnel. Wear appropriate personal protection equipment. 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 or reuse. Liquid may be removed with a vacuum truck. Remaining material may be diluted with water and neutralized; neutralize chlorine by adding sodium sulfite, or sodium thiosulfate; then neutralize alkalinity by adding a dilute acid. Flush spill area with water followed by a liberal 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. If eye irritation occurs, full face style mask should be used. When an air purifying respirator is not adequate or concentrations are above 10 ppm, use an SCBA.

Ventilation: Should be adequate to keep mist level below the TLV. Local exhaust where mist may be generated.

Protective Gloves: Natural rubber, neoprene or nitrile gloves should be worn.

Eye Protection: Safety glasses with side shields. Chemical goggles, face shield if appropriate.

Protective Clothing: If repeated or prolonged contact is anticipated, wear protective clothing appropriate to use conditions.

IX. SPECIAL PRECAUTIONS

Precautions To Be Taken In Handling And Storing:

Do not get in eyes, on skin, or clothing. Wash thoroughly after handling. Wear protective clothing/equipment. Do not breathe vapors or mists. Use with adequate ventilation. Keep containers tightly closed and properly labeled. Containers that have been emptied will retain product residue and should be handled as if they were full. Do not store in aluminum container or use aluminum fittings or transfer lines, as flammable hydrogen gas can be generated. Store in a cool, dry, well-ventilated place away 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: Review and update