

# MATERIAL SAFETY DATA SHEET

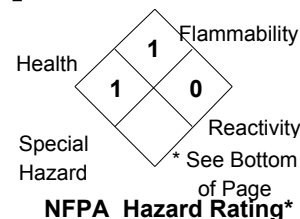
Manufactured by:

**SURFLEX**<sup>®</sup>  
SERIES

**Anderson  
Chemical Company**

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LITCHFIELD, MINNESOTA 55355  
(320) 693-2477

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



Product Name: **Freezer Cleaner**

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

Revised: 6/11/2010 lmt  
Supersedes: 8/19/2008

## I. IDENTIFICATION

### Chemical Name And Synonyms:

Not Applicable

### DOT Shipping Name

Not Applicable

### Chemical Family:

Not applicable

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

Not Applicable

# PG

## II. HAZARDOUS INGREDIENTS

Component	CAS NO.	%	TLV	PEL	Toxic	Hazard
2-butoxyethanol	111-76-2	10	20 ppm	25 ppm	313**	Irritant to skin and eyes. Combustible.
Trade Secret	TSRN 8250		NE	NE		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:** Not determined  
**Specific Gravity:** 1.020  
**Appearance:** Clear, colorless liquid

**Form:** Liquid  
**Solubility In Water:** Complete  
**Odor:** Odorless

## IV. FIRE AND EXPLOSION HAZARD DATA

**Flashpoint:** >200°F

**Extinguishing Media:** Water fog or fine spray. Dry chemical fire extinguishers. Carbon dioxide fire extinguishers. Foam. Do not use direct water stream, it may spread the fire. Alcohol resistant foams are preferred. General purpose synthetic or protein foams may be less effective.

**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. Use water spray to cool fire exposed containers and fire affected zone until fire is out and danger of reignition has passed. Burning liquids may be extinguished by dilution with water.

**Unusual Fire And Explosion Hazards:** Container may rupture from gas generation in a fire situation. Violent steam generation or eruption may occur upon application of direct water stream to hot liquids.

## 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:** May cause moderate eye irritation. Mist may cause eye irritation. Prolonged contact is essentially non-irritating to skin. Repeated contact may cause irritation, flaking and softening of skin. Mist may cause irritation of upper respiratory tract. Ingestion may be harmful. Harmful effects not anticipated from swallowing small amounts.

**Emergency And First Aid Procedures:** Eyes: Flush immediately with plenty of water for 15 minutes. Lift upper and lower eyelids for complete rinsing. If irritation persists after rinsing, get medical attention.

Skin: Flush with plenty of water.

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 to fresh air. If breathing difficulty occurs or persists, get 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:** Heat, flame and sparks. Avoid direct sunlight or ultraviolet sources.

**Incompatibility:** Strong oxidizing agents, strong acids and strong bases.  
(Materials to Avoid)

**Hazardous** Carbon monoxide, carbon dioxide and unidentified organic compounds.

**Decomposition Products:**

## VII. SPILL OR LEAK PROCEDURES

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

Remove unnecessary personnel. Wear appropriate personal protective equipment. Ventilate area. Remove sources of ignition. Contain spills, dike if necessary, and pump into suitable containers or collect liquid on absorbent material. Do not flush to sewer.

**Waste Disposal Method:** Dispose of chemical collected on absorbent material in accordance with local, state and federal regulations.

## VIII. SPECIAL PROTECTION INFORMATION

**Respiratory Protection:** Respiratory protection is not required for normal use. Use NIOSH approved self-contained breathing apparatus where TLV will exceed established levels.

**Ventilation:** As required to control vapor concentrations.

**Protective Gloves:** Skin contact should be minimized.

**Eye Protection:** Safety glasses should be sufficient for most operations.

**Protective Clothing:** Clean body-covering clothing.

## 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. Do not ingest. Store away from direct sunlight or ultraviolet light. Keep container tightly closed when not in use. Store in a dry place. Protect from atmospheric moisture. Store in: stainless steel, aluminum, plastite 3066, 316 stainless steel, opaque HDPE plastic. Maximum storage temperature is 40 deg C.

**Other Precautions** Eyewash stations should be provided in the areas where this product is handled.

## X. REVISED INFORMATION

**MSDS Status:**

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.