

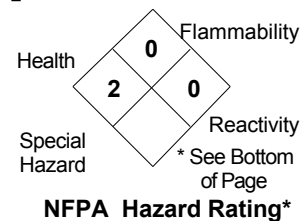
# MATERIAL SAFETY DATA SHEET

Manufactured by:

**SURFLEX**<sup>®</sup>  
SERIES

**Anderson  
Chemical Company**

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



**Product Name: Scale Kleen**

24-HOUR EMERGENCY PHONE #: 1-800-424-9300 (CHEMTREC) Revised: 12/18/2007 lmt

Supersedes: 5/17/2005

## I. IDENTIFICATION

### Chemical Name And Synonyms:

Not applicable

### DOT Shipping Name

Corrosive liquid, acidic, inorganic, n.o.s.  
(Phosphoric acid / Nitric Acid)

### Chemical Family:

Acid

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

Corrosive Material UN3264

# PG  
8 III

## II. HAZARDOUS INGREDIENTS

Component	CAS NO.	%	TLV	PEL	Toxic	Hazard
Phosphoric acid	7664-38-2	<15	1 mg/M3	1 mg/M3	NA	Corrosive to skin and eyes.
Nitric Acid	7697-37-2	<3	5 mg/M3	5 mg/M3	313**	Corrosive to skin and eyes.

\*\*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:** 1.102  
**Appearance:** Clear, pale pink liquid

**Form:** Liquid  
**Solubility In Water:** Complete  
**Odor:** None

**pH, 1% Soln.:** 2.0

## 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 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:** Corrosive. May cause severe irritation and/or burns to skin and eyes. May cause irreversible damage to eyes in some cases. Harmful if swallowed.

### 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 plenty of water. If irritation persists, 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 to fresh air.

\* 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:** Contact with reactive metals, contact with alkaline materials, especially caustic soda and caustic potash. Also hypochlorite solution.

**Incompatibility:** Contact with reactive metals (aluminum, zinc, mild steel) may produce flammable explosive hydrogen - air mixtures. Reacts (Materials To Avoid) violently with strong bases.

### Hazardous

**Decomposition Products:** At flame temperatures, toxic phosphorous oxide and nitrogen oxide fumes may be emitted.

## VII. SPILL OR LEAK PROCEDURES

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

Small spills can be diluted with large amounts of water and flushed to sanitary sewer. For large spills, dike and salvage or neutralize. Soda ash and lime are neutralizing agents.

**Waste Disposal Method:** If material can not be salvaged, neutralize and then discharge into a treatment system in accordance with local, state and federal regulations.

## VIII. SPECIAL PROTECTION INFORMATION

**Respiratory Protection:** For severe mist, use NIOSH approved respirator and self-contained breathing apparatus.

**Ventilation:** Adequate to meet exposure limit for acid mist.

**Protective Gloves:** Rubber or neoprene.

**Eye Protection:** Chemical goggles.

**Protective Clothing:** Where contact is likely, rubber apron and boots.

## IX. SPECIAL PRECAUTIONS

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

Store in suitable containers. Avoid contact with skin and eyes. Use goggles, rubber apron and boots where liquid splashing or contact is expected. Wash thoroughly after handling.

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

## X. REVISED INFORMATION

**MSDS Status:** dye added