

Distributed by:

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MATERIAL SAFETY DATA SHEET

**SECTION I PRODUCT IDENTIFICATION**

**TRADE NAME:** Rust Kutter **REVISION DATE:** 03/20/2009

**EMERGENCY PHONE:** 800-424-9300 (CHEMTREC)

**SECTION II INGREDIENTS AND HAZARDS**

<u>COMPONENTS</u>	<u>CAS#</u>	<u>% BY WT</u>	<u>OSHA, TWA(ppm)</u>	<u>NIOSHA STEL(ppm)</u>
Phosphoric Acid 75%	7664-38-2	45-55	1MG/M <sup>3</sup>	3MG/M <sup>3</sup>
2-Butoxyethanol 99%	111-76-2	5-9	50/skin	50
NP-9.5	9016-45-9	2-4	----	---
Citric Acid	77-92-9	3-5		

**SECTION III PHYSICAL / CHEMICAL CHARACTERISTICS**

**BOILING POINT:** 220°F (105°C)

**VAPOR PRESSURE (mm Hg.):** 5

**ODOR:** Sweet

**COLOR:** Clear Colorless Liquid

**VAPOR DENSITY (AIR=1):** As water

**SOLUBILITY IN WATER:** Complete

**VOLATILES %:** 60

**EVAPORATION RATE:** As water

**SPECIFIC GRAVITY: (H<sub>2</sub>O = 1):** 1.25

**SECTION IV FIRE AND EXPLOSION HAZARD DATA**

**FLASH POINT:** N/A

**EXTINGUISHING MEDIA:** This product is not combustible. Foam, carbon dioxide or dry chemical may be used where this product is stored.

**SPECIAL FIREFIGHTING PROCEDURES:** This product is nonflammable inorganic substance. However, hazardous decomposition and combustion products may be formed in a fire situation. Cool exposed containers with water spray to prevent overheating. Respiratory and eye protection are required for fire fighting personnel. Full protective equipment and self-contained breathing apparatus should be used for all indoor fires and any significant outdoor fires.

**UNUSUAL FIRE OR EXPLOSION DATA:** None

**SECTION V REACTIVITY DATA**

**STABILITY:** Stable

**CONDITIONS TO AVOID:** Heat

**INCOMPATIBILITY (Materials to avoid):** Strong Bases; Active Metals and Strong Oxidizers.

**HAZARDOUS DECOMPOSITION PRODUCTS:** Thermal decomposition may produce, Oxides of Phosphorous, Carbon Monoxide and Carbon Dioxide.

**HAZARDOUS POLYMERIZATION:** Will not occur.

<b>SECTION VI HEALTH HAZARD DATA</b>
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**PROBABLE ROUTE(S) OF ENTRY:** Skin Contact, Eye Contact, Inhalation and Ingestion

**EFFECTS Of OVER EXPOSURE (ACUTE and/or CHRONIC):**

**Eye:** Causes severe burns that result in damage to the eyes and possibly blindness. The severity of the effects depends on concentration and how soon after exposure the eyes are washed.

**Inhalation:** Breathing dust, mist or spray may cause damage to the upper respiratory tract and lung tissue proper, which could produce chemical pneumonia, depending upon severity of exposure.

**Skin:** Corrosive. Contact may cause burns and issue destruction.

**Ingestion:** Corrosive. Severe burns and complete tissue perforation of mucous membranes of mouth, throat, and stomach.

**MEDICAL CONDITIONS GENERALLY AGGRAVATED BY EXPOSURE:** None Known

**EMERGENCY FIRST AID PROCEDURES:**

**Eye Contact:** Immediately flush with plenty of water for two to three minutes. Remove contact lenses and continue flushing for 15 minutes. GET MEDICAL ATTENTION.

**Skin Contact:** Remove contaminated clothing and footwear Wash thoroughly with soap & water. Wash contaminated clothing and shoes before reuse. GET MEDICAL ATTENTION IMMEDIATELY.

**Ingestion:** NEVER GET ANYTHING BY MOUTH TO AN UNCONSCIOUS PERSON. If swallowed, DO NOT INDUCE VOMITING. Give large quantities of water. If available, give several glasses of milk. If vomiting occurs spontaneously, keep airway clear. GET MEDICAL ATTENTION IMMEDIATELY.

**Inhalation:** Remove to fresh air. If breathing is difficult have trained person administer oxygen. If breathing has stopped, start CPR. GET MEDICAL ATTENTION.

<b>SECTION VII PRECAUTIONS FOR SAFE HANDLING AND USE</b>
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**STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED:** Leaks should be stopped. Spills should be contained and cleaned up immediately. Large spills should be removed by using a vacuum truck. Neutralize with lime or other base, then absorb on diatomaceous earth or equivalent inert material. The spill area should then be flushed with water followed by liberal covering of sodium bicarbonate. All clean-up material should be removed and placed in approved containers, labeled and stored in a safe place to await proper treatment or disposal. Spills on areas other than pavement, e.g., dirt or performing clean-up work should wear adequate personal protection equipment and clothing. Spills or releases should be reported, if required, to the appropriate local, state, and federal regulatory agencies.

**WASTE DISPOSAL METHOD:** Observe all local, state, and federal regulations. Contact local EPA representative agency for additional information.

<b>SECTION VIII CONTROL MEASURES</b>
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**RESPIRATORY PROTECTION:** Respiratory Protection is not required under normal use. Use NIOSH/MSHA approved respirators where dust, mist or spray may be generated.

**VENTILATION:** Special ventilation is not required under normal use. Use local exhaust ventilation where dust, mist, or spray may be generated.



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