

Safety Data Sheet

Section 1

Product and Company Identification

Distributed by:

X-EDGE PRODUCTS INC. Phone: (866) 591-9991

P.O. Box 141305

Grand Rapids, MI 49514

United States of America

Emergency Phone Numbers

CFB 574-848-5288 Normal Business Hrs.

USA Chemtrec 800-424-9300 24 Hours

International Chemtrec 703-527-3887

Manufactured by:

CFB INC.

Recommended Usage: rust and scale remover

Other Identifier: Cleaner, Concentrate

Product Name:

Step 1- NU-Tool

Date Prepared: 12/07/16

Section 2 Hazards Identification

Classification of the Mixture: Clear or light yellow liquid. Characteristic.

Most Important Hazards: This material is considered hazardous by the OSHA Hazard Communication Standard (29 CFR 1910.1200).

May cause eye and skin burns. May cause respiratory tract irritation. Harmful if swallowed.

Hazard Classification:

Causes severe skin burns – Category 1B

Causes severe eye damage – Category 1

Signal Word: Danger!

Pictograms:



Precautionary Statements:

Inhalation - Avoid breathing dust/fume/gas/mist/vapors/spray. Keep container tightly closed. Use only with adequate ventilation.

Skin – Avoid contact with skin and clothing. Wash thoroughly after handling.

Eyes - Avoid contact with eyes. Wash thoroughly after handling.

Ingestion – Harmful if swallowed.

Quantity of Ingredients with Unknown Acute Toxicity: 1.0%

Section 3 Composition Information on Ingredients

Ingredient	WT %	CAS #
Phosphoric Acid	>20	7664-38-2
Isopropyl Alcohol	<10	67-63-0

Section 4 First Aid Measures

Eyes: Flush eyes with running water for at least 15 minutes. If redness, burning, blurred vision or irritation persists, transport to nearest medical facility for additional treatment.

Skin: Flush skin with water, wash with soap and water. If irritation occurs, get medical attention. Remove contaminated clothing. Do not reuse clothing until cleaned. If material is injected under the skin, transport to the nearest medical facility for additional treatment. If redness, swelling, pain and/or blisters occur, transport to the nearest medical facility for additional treatment.

Ingestion: Do NOT induce vomiting and obtain medical attention. Have victim rinse mouth out with water. If vomiting occurs spontaneously, keep head below hips to prevent aspiration.

Inhalation: Remove victim to fresh air and keep at rest in a position comfortable for breathing. If the victim has difficulty breathing or tightness of the chest, is dizzy, vomiting or unresponsive, give oxygen with rescue breathing or CPR as required and transport to the nearest medical facility.

Section 5 Fire Fighting Measures

Flammable Properties:

Flash point: 85°F (ASTM D56)

Flammable limits in air: N/A

Auto ignition temperature: N/A

Extinguishing media: CO₂, dry chemical, foam

Special firefighting measure:

The material as received will not support combustion, however its residues may; therefore, procedures for an oil fire should be followed. Use self-contained breathing apparatus. Use foam or dry chemical to extinguish fire. Water may be used only to keep surrounding containers cool. Firefighters should wear proper protective equipment and self-contained breathing apparatus with full face piece operated in positive pressure mode.

Section 6 Accidental Release Measures

- Eliminate ignition sources and ventilate area.
- Absorb spillage with inert absorbent material.
- Contain spill and keep from entering waterways or sewers.
- Advise EPA/state agency if required.
- Use proper personal protective equipment for clean-up.
- Treat contaminated absorbent same as spilled product.

Section 7 Handling and Storage

Handling and Storage Precautions: Avoid heat, open flames, including pilot lights, and strong oxidizing agents. Use explosion-proof ventilation to prevent vapor accumulation. Ground all handling equipment to prevent sparking. Avoid contact with eyes, skin and clothing. Wash thoroughly after handling. Do not eat, drink or smoke when using this product. Have appropriate fire extinguishers and spill clean-up equipment in or near storage area.

Work/Hygienic Practices: Wash with soap and water before eating, drinking, smoking, applying cosmetics, or using toilet. Launder contaminated clothing before reuse. Properly dispose of contaminated leather articles such as shoes or belts that cannot be decontaminated. Contaminated leather articles including shoes cannot be decontaminated and should be destroyed to prevent reuse.

Section 8 Personal Protection/ Exposure Controls

Engineering Controls: Use adequate ventilation to keep vapors and mists of this material below applicable standards.

Respiratory Protection: If engineering controls do not maintain airborne concentrations to a level which is adequate to protect worker health, an approved respirator must be worn. Respirator selection, use and maintenance should be in accordance with the requirements of the OSHA Respiratory Protection Standard, 29 CFR 1910.134.

Skin Protection: Use protective clothing that is chemically resistant to this product. Acceptable materials for gloves and aprons are: neoprene, nitrile rubber or viton.

Eye Protection: Use safety glasses or goggles. Have suitable eye wash water available.

Other/General Protection: For mists and vapors: Air Purifying, organic vapor cartridge, NIOSH approved respirator. Use self-contained breathing apparatus for environments with unknown concentrations or emergency situations.

Chemical Name

Phosphoric acid
Isopropyl Alcohol

OSHA TWA (mg/m³)

1 mg/m³
200 ppm

ACGIH TWA (mg/m³)

400 ppm

Section 9 Physical and Chemical Properties

Color:	None	Vapor Pressure:	N/A °F	Solubility in Water:	Complete
Appearance:	Clear Liquid	% Volatile by Volume:	> 50% as water	Evaporation Rate	
Odor:	Characteristic	Vapor Density (air = 1):	> 1	(water = 1):	> 1
Boiling Point:	> 212° F	Reactivity in Water:	Non-reactive	Specific Gravity:	1.093
VOC (Concentrate) EPA Method 24: N/A lbs/gal				pH 100%:	0.1-1

Section 10 Stability and Reactivity

Stability: Stable **Conditions to avoid:** Incompatible materials, metals, excess heat and bases. **Incompatibility:** Bases, amines, metals.
Decomposition Products: Phosphine. Oxides of phosphorus. Hydrogen gas is released in contact with most metals. **Hazardous Polymerization:** Will not occur.

Section 11 Toxicological Information

Likely Routes of Exposure: Inhalation, skin, eyes and ingestion.

Potential Health Effects:

Eye Effects: Corrosive. This mixture can cause irritation, redness, burns and tissue destruction.

Skin Effects: Corrosive. This mixture can cause burns, inflammation and significant irritation.

Oral Effects: Harmful if swallowed. May cause burns to mouth and esophagus. Gastrointestinal tract irritation, nausea and vomiting.

Inhalation Effects: Harmful if inhaled. May cause respiratory tract irritation.

Chronic Health Effects: Primary target organs following repeated exposure are respiratory tract, eyes, skin, lungs.

Mutagenicity: Negative

Carcinogenicity: This mixture does not contain any component greater than 0.1% that is listed as a carcinogenic or a potential carcinogen by the National Toxicology Program, by the I.A.R.C. monographs or by OSHA.

Reproductive Effects: Negative

Teratogenicity: Negative

Sensitization: Negative

Toxicological Data: N/D

Section 12 Ecological Information

Not classified due to inadequate data available on this mixture. Recommend avoidance of release to the environment.

Section 13 Disposal Considerations

Avoid release to the environment. Dispose in a safe manner in accordance with national, state and local regulations. If “used” RCRA criteria must be determined. Dispose of container by recycling or if permitted incineration.

Section 14 Transportation Information

Proper Shipping Name: Detergents, Soaps.

Shipping Class: 55

Dot Identification Number: Corrosive, Liquid

Dot Shipping Label: UN1805, Phosphoric acid Solution, 8, PGIII

TDG Classification: Not controlled under TDG (Canada).

Section 15 Regulatory Information

U.S. Federal Regulatory Information:

SARA 302 Threshold Planning Quantity: N/A

SARA 304 Reportable Quantity: N/A

SARA 311 Categories:

Acute Health Effects:	Yes
Chronic Health Effects:	No
Fire Hazard:	No
Sudden Release of Pressure Hazard:	No
Reactivity Hazard:	Yes

EPA/TSCA Inventory: The components of this product are listed on the EPA/TSCA inventory of chemicals.

EPA Hazard Classification Code: Unused material is B104 Spent Acid without metals

CERCLA: Phosphoric acid in this product is subject to the reporting requirements of CERCLA. 5000 lbs. RQ

SARA Title III - Section 313 Supplier Notification: None of the ingredients is listed.

WHMIS Classification: WHMIS controlled.

Other Regulations: All components of this formulation are listed on the CEPA-DSL (Domestic Substance List)

Section 16 Other Information

NFPA Hazard Rating:

Health:	3	Severe
Flammability:	1	Slight
Reactivity:	0	None

SDS Dated12/07/16

Revision Date: 12/07/16

*Threshold Limit Value/Personal Exposure Limit

N/A = Not Applicable

N/E = Not Established

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