

MATERIAL SAFETY DATA SHEET

SECTION 1 - MANUFACTURER INFORMATION

MANUF / DIST: CCS DISTRIBUTING INC
1021 STARR AVE
EAU CLAIRE, WI 54703

PREPARER/CONTACT: GARY SOLEY

EMERGENCY PHONE 715-834-7080

Emergency 24 hour Medical Chemical INFOTRAC 800-535-5053

TRADE NAME / SYNONYMS. . . . : PRO WIRE WHEEL CLEANER

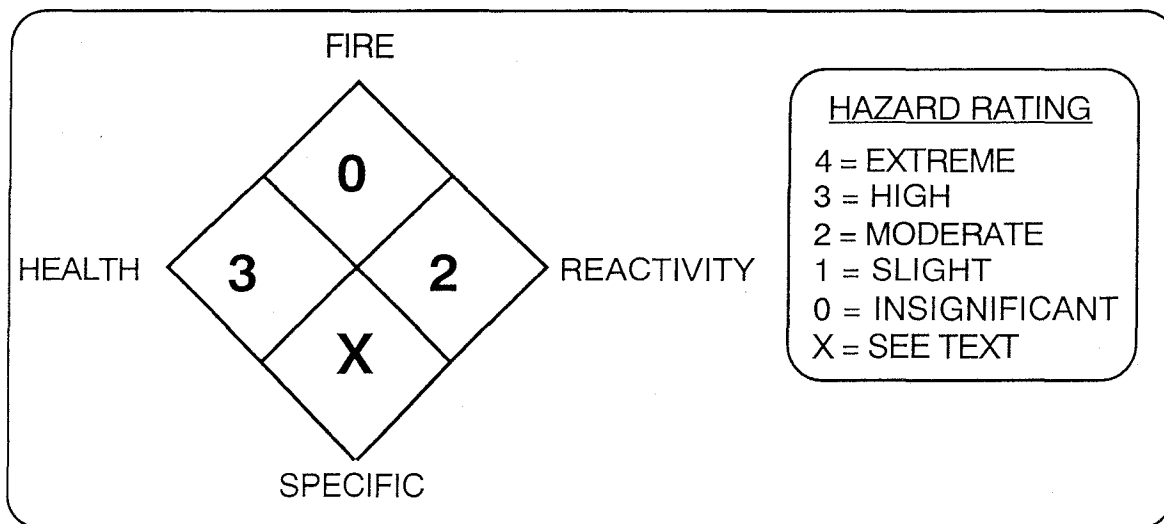
CHEMICAL NAME / SYNONYMS: NOT APPLICABLE

CHEMICAL FAMILY. : NOT APPLICABLE

FORMULA. : Proprietary

PRODUCT CODE. : NOT APPLICABLE

HAZARDOUS MATERIAL IDENTIFICATION SYSTEM:



SECTION 2 - HAZARDOUS INGREDIENTS

NAMES OF HAZARDOUS INGREDIENTS: See CFR29§1910.1200 (i)-(13)

CHEMICAL / COMMON NAME	CAS#	PERCENTAGE	PEL-OSHA	TLV-ACGIH
Ammonium Bifluoride	1341-49-7	>1	2.5mg/m3	2.5mg/m3
Sulfuric Acid	7664-93-9	>1	1mg/m3	1mg/m3
2 Butoxy Ethanol (Skin)	111-76-2	>1	50PPM	25PPM

THIS PRODUCT HAS NO CARCINOGENS

SECTION 3 - HEALTH HAZARD DATA

HEALTH EFFECTS (Acute and Chronic):

Acute:

- a) Eyes -Vapors as well as liquid can cause corneal burns or conjunctivitis.

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- b) Skin - Vapors as well as liquid can cause severe burns which may not immediately be noticed. Hydrofluoric Acid will penetrate skin and attack protein, subsurface tissue and bone.
- c) Inhalation - Even small amounts, and prolonged breathing of fumes can cause irritation of. Heavy exposure can cause throat burns, lung inflammation and pulmonary edema. Calcium level in body will be depleted if not promptly treated.
- D) Ingestion - Will cause severe mouth, throat and stomach burns kidneys can be affected, can be fatal. Possibility of hypocalcemia could be fatal, unless medical attention is prompt.

*****SEE ADDITIONAL COMMENTS SECTION*****

Chronic

- a) Overexposure to Mineral Acids has been found to cause anemia, liver, kidney, and lung damage. Hypocalcemia and blood damage and tissue breakdown in laboratory animals.

PRIMARY ROUTES OF ENTRY:

- a) Skin
- b) Inhalation

MEDICAL CONDITIONS AGGRAVATED BY EXPOSURE:

Pre-existing skin, eye and respiratory disorders may be aggravated by exposure to product.

EMERGENCY FIRST AID PROCEDURES:

- a) Skin - Immediately flush skin with lots of running water for at least 30minutes. Remove contaminated clothing and shoes. Wash before reuse.
- b) Eyes - Flush immediately with large quantities of running water for at least 15 minutes. Consult physician.
- C) Inhalation - If affected, remove individual to fresh air. If breathing is difficult, administer oxygen. If breathing has stopped, give artificial respiration. Keep person warm, quiet and get medical attention.
- D) Ingestion - Call physician immediately. If conscious give lots of water or milk. Do not give anything by mouth to an unconscious or convulsing person.

SECTION 4 - CHEMICAL DATA

BOILING POINT (F) : >212
VAPOR PRESSURE (mmHg) : < 2
VAPOR DENSITY (AIR=1) : 2

SPECIFIC GRAVITY (WATER=1) : > 1.2
PERCENT VOLATILE BY VOLUME (%) . . . : > 80.00
EVAPORATION RATE (WATER=1) : 1

APPEARANCE AND ODOR INFORMATION: Lime Green pungent acid odor.

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SECTION 5 - PHYSICAL HAZARD DATA

FLASH POINT (Method Used): None FLAMMABLE LIMITS: Lel= N/A UEL= N/A
EXTINGUISHING MEDIA: SEE SECTION 8 OTHER ADDITIONAL COMMENTS
SPECIAL FIRE FIGHTING PROCEDURES: Clear area of all personnel. Do not enter confined area without full bunker gear. See additional comments section.

UNUSUAL FIRE AND EXPLOSION HAZARDS: N/A

INCOMPATIBILITY (Material To Avoid): Alkalies, silicones, metals, organics.

HAZARDOUS DECOMPOSITION PRODUCTS: None

WILL HAZARDOUS POLYMERIZATION OCCUR: NO

CONDITIONS TO AVOID FOR POLYMERIZATION: N/A

THIS PRODUCT IS STABLE

CONDITIONS TO AVOID FOR STABILITY: N/A

SECTION 6 - SPILL OR LEAK PROCEDURES

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED:

Absorb the large spill with suitable absorbant. Lime slurry, soda ash, or other alkali can neutralize the acid. Wash the residue down the drain or pit with plenty of water. Small spills can be flushed down the drain with plenty of water.

WASTE DISPOSAL METHODS:

Dispose of according to local, state and federal regulations.

SECTION 7 - EXPOSURE CONTROL INFORMATION

VENTILATION:

LOCAL EXHAUST: Below TLV(s)

MECHANICAL (General): N/A

SPECIAL: N/A

OTHER: N/A

RESPIRATORY PROTECTION:

An appropriate NIOSH approved hydrocarbon canister or respirator for mineral acids.

PROTECTIVE GLOVES:

Acid resistant gloves should be worn when using. In case of spills, full protective clothing should be worn.

OTHER PROTECTIVE EQUIPMENT:

Skin protection, full length clothing should always be worn when working with this product. Eye wash and quick drench facilities should be readily available in workplace.

OTHER ENGINEERING CONTROLS: None Known

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WORK PRACTICES:

Eye wash fountain and safety shower should be easily accessible. Discard properly. Do not use steel wool for application. Use stainless steel brushes, always wear protective gloves, face and eye protection.

HYGIENIC PRACTICES:

Avoid contact with eyes, skin and clothing. Avoid inhalation of product vapors. Wash thoroughly after handling and before eating, drinking or smoking. Remove contaminated clothing promptly and wash thoroughly before reusing.

SECTION 8 - SPECIAL PRECAUTION

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORAGE:

- A) Do not store under freezing conditions or above 120 degrees F.
- B) Protect from physical damage and keep tightly closed.
- C) Do not store near alkalis or alkaline materials and oxidizers.
- D) Containers mark: Hydrofluoric acid solution, not more than 60% strength, 8, UN1790 Pk Gp II, Corrosive, Poison.

MAINTENANCE PRECAUTIONS:

When working with FLAMMABLE material electrically ground all equipment and use only non-sparking tools.

OTHER PRECAUTIONS:

Containers, even those that have been emptied will retain product residue and vapors. Always obey hazard warnings. Avoid dropping full containers, they may burst, and cause spills.

EYE, FACE, AND BODY PROTECTION SHOULD ALWAYS BE WORN WHEN HANDLING OR USING THIS PRODUCT.

SHIPPING INFO, UN/NA #'s, Secondary container label INFO NECESSARY OR SUGGESTED:

**HYDROFLUORIC ACID SOLUTION, not more than 60% strength, 8,
UN-1790, PK GP II, CORROSIVE, POISON**

OTHER ADDITIONAL COMMENTS:

SPECIAL FIRE FIGHTING OR SPILL PROCEDURES - ALWAYS WEAR FULL BUNKER GEAR, AND BREATHING APPARATUS. COOL CONTAINERS WITH WATERFOG SPRAY. HEAVY STREAMS COULD SPREAD, AND SPLASH ACID ON OTHERS.

HEALTH EFFECTS -

- a. Fluorosis in bone and joints.
- b. Skin tissues can be deteriorated with exposure. Dermatitis, irritation, burning, pain can be prevented with proper handling, and protective equipment and clothing. Those personnel using this product should be familiar with the use, and cautioned to the severity of damage that could be caused by mis-handling

KEEP OUT OF THE REACH OF CHILDREN!
CCS DISTRIBUTING INC