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**SECTION 1 - IDENTIFICATION****Product Identifier****Product Name** Mag and Wire**Other means of identification****SDS #** 6003**Product Code** 6003**Synonyms** Mag and Wire**UN/ID No** 1790**Recommended use of the chemical and restrictions on use****Recommended Use** Wheel Cleaner**Details of the supplier of the safety data sheet****Supplier Address**

New Dixie Distribution Co., Inc

3811 Alcolu St

Alcolu SC, 29001

**Emergency Telephone Number****Company Phone Number**

803-473-9300

**Emergency Telephone (24 hr)**

INFOTRAC 1-352-323-3500 (International)

1-800-535-5053 (North America)

**SECTION 2. HAZARDOUS IDENTIFICATION**

Signal Word: WARNING! - FOR HEALTH EFFECTS (Acute and Chronic): SEE SECTION 11

**SECTION 3 - COMPOSITION/INFORMATION ON INGREDIENTS**

NAMES OF HAZARDOUS INGREDIENTS: See CFR29§1910.1200 (i)-(13) [ exact % withheld as trade secret ]

| CHEMICAL / COMMON NAME  | CAS#      | PERCENTAGE | PEL-OSHA | TLV-ACGIH |
|-------------------------|-----------|------------|----------|-----------|
| Hydrofluoric Acid       | 7664-39-3 | >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 DOES NOT CONTAIN CARCINOGENS: (NTP, IARC, OSHA) VOC COMPLIANT

**SECTION 4 - FIRST AID MEASURES****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 a physician.
- c) Inhalation: If affected, remove the individual to fresh air. If breathing is difficult, administer oxygen. If breathing has stopped, give artificial respiration. Keep a person warm, quiet and get medical attention.
- d) Ingestion: Call a physician immediately. If conscious, give lots of water or milk. Do not give anything by mouth to an unconscious or convulsing person

**SECTION 5 - FIRE FIGHTING MEASURES****EXTINGUISHING MEDIA: SEE SECTION 8 OTHER ADDITIONAL COMMENTS SPECIAL FIRE FIGHTING PROCEDURES:**

Clear area of all personnel. Do not enter a confined area without full bunker gear. See additional comments section.

UNUSUAL FIRE AND EXPLOSION HAZARDS: N/A

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.

**SECTION 6 - ACCIDENTAL RELEASE MEASURES**

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

**SECTION 7 - HANDLING AND STORAGE****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 P G II, Corrosive, Poison.

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

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.

**SECTION 8 - EXPOSURE CONTROLS/PERSONAL PROTECTION**

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 mishandling

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.

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

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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 the workplace. OTHER ENGINEERING

CONTROLS: None Known

VENTILATION:

LOCAL EXHAUST: Below TLV(s) MECHANICAL (General): N/A

SPECIAL: N/A OTHER: N/A

## **SECTION 9 - PHYSICAL AND CHEMICAL PROPERTIES**

|                             |                     |                                                                        |
|-----------------------------|---------------------|------------------------------------------------------------------------|
| PHYSICAL STATE:             | Thin Liquid         | APPEARANCE, ODOR, VISCOSITY: Low viscosity brownish liquid, clean odor |
| ODOR INFORMATION:           | Definite acid odor. | PERCENT VOLATILE BY VOLUME (%): > 80.00                                |
| SPECIFIC GRAVITY (WATER=1): | 1.210               | SOLUBILITY IN WATER 100%                                               |
| BOILING POINT (F):          | >212                | EVAPORATION RATE (WATER=1): 1                                          |
| VAPOR PRESSURE (mmHg):      | N/D                 | pH 1                                                                   |
| VAPOR DENSITY (AIR=1):      | N/D                 | FLAMMABLE LIMITS: LEL= N/A UEL= N/A                                    |
| FLASH POINT (Method Used):  | None                | Melting pt-N/A /freezing pt-30°F/Relative density N/A                  |

## **SECTION 10 - STABILITY AND REACTIVITY**

**THIS PRODUCT IS STABLE, AND HAZARDOUS POLYMERIZATION WILL NOT OCCUR**

## **SECTION 11 - TOXICOLOGICAL INFORMATION**

FOR NUMERICAL MEASURES OF TOXICITY SEE SECTION 3, COLUMNS (PEL-OSHA) AND (TLV-ACGIH)

\*Acute\*:

- a) Eyes: Vapors as well as liquid can cause corneal burns or conjunctivitis.
- 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. POISON IF INGESTED.

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

\*Chronic\*

Overexposure to Mineral Acids has been found to cause anemia, liver, kidney, and lung damage, hypocalcaemia, 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.

THIS PRODUCT DOES NOT CONTAIN CARCINOGENS: (NTP, IARC, OSHA)

## **SECTION 12 - ECOLOGICAL INFORMATION**

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ENVIRONMENTAL DATA: N/A 100% BIODEGRADABLE ECOTOXICOLOGICAL INFORMATION: N/A

**SECTION 13 - DISPOSAL CONSIDERATIONS**

WASTE DISPOSAL METHODS: Dispose of according to local, state and federal regulations

**SECTION 14 - TRANSPORT INFORMATION**

HYDROFLUORIC ACID SOLUTION, not more than 60% strength, 8, 6.1,

UN-1790, PG II, CORROSIVE, POISON

KEEP OUT OF THE REACH OF CHILDREN! SHIPPING INFO, UN/NA #'s, Secondary container label INFO NECESSARY OR SUGGESTED

**SECTION 15 - REGULATORY INFORMATION**

UNITED STATES: TSCA (TOXIC SUBSTANCE CONTROL ACT) TSCA REGULATORY: All Ingredients are on the TSCA Inventory or are not required to be listed on the TSCA Inventory.

**SECTION 16 - OTHER INFORMATIONS**

|                    |                  |                |                    |                                    |
|--------------------|------------------|----------------|--------------------|------------------------------------|
| <b><u>NFPA</u></b> | Health Hazards 3 | Flammability 0 | Instability 0      | Special Hazards None               |
| <b><u>HMIS</u></b> | Health Hazards 3 | Flammability 0 | Physical Hazards 0 | Personal Protection Not determined |

**Issue Date:** 11-Oct-1998**Revision Date:** 16-Jan-2022**Revision Note:** New format**Disclaimer**

**The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.**

**End of Safety Data Sheet**