

MATERIAL SAFETY DATA SHEET

COMPLIES WITH OSHA'S 29 CFR 1910, 1200 AND STATE HAZARD COMMUNICATION STANDARD

A BRITE COMPANY
3217 WOOD DRIVE
GARLAND, TEXAS 75041
214-291-0400

24 HOUR EMERGENCY PHONE NUMBER 1-800-424-9300 (CHEMTREC)

SECTION 1: PRODUCT IDENTIFICATION

TRADE NAME: Deoxidizer NC 620
GENERAL OR GENERIC ID: Compound, Acid Mixture
DATE PREPARED: 5/11/04
LATEST REVISION DATE: 5/11/04
NFPA/HMIS HAZARD CODES
(minimal = 0; slight = 1; moderate = 2; serious = 3; severe = 4)
HEALTH: 3/3 FIRE: 0/0 REACTIVITY: 1/1 SPECIAL: H

SECTION 2: HAZARDOUS INGREDIENTS IDENTITY INFORMATION

HAZARDOUS COMPONENTS	CAS #	OSHA PEL	ACGIH TLV	IDLH LEVEL	% WT
Ferric Sulfate	10028-22-5	N/A	N/A	N/A	<60
*Nitric Acid	7697-37-2	2 ppm	5 mg/m ³	1000ppm	8
*Sulfuric Acid	7664-93-9	1mg/m ³	1mg/m ³	80mg/m ³	8
Fluoboric Acid	16872-11-0	2mg/m ³	2mg/m ³	500mg/m ³	<10

*= Reportable under SARA Title III

SECTION 3: PHYSICAL/CHEMICAL CHARACTERISTICS

BOILING POINT: 212°F
VAPOR PRESSURE: N/A
VAPOR DENSITY: N/A
SOLUBILITY IN WATER: complete
APPEARANCE AND COLOR: Clear amber liquid with pungent odor.

SPECIFIC GRAVITY: 1.33
PERCENT VOLATILE: N/A
EVAPORATION RATE: N/A
pH (1% Solution): 2.08

SECTION 4: FIRE AND EXPLOSION HAZARD DATA

FLASH POINT: not flammable
EXTINGUISHING MEDIA: Water fog, carbon dioxide, alcohol foam, dry chemical.

SPECIAL FIRE FIGHTING PROCEDURES: Pressure demand, self contained respiratory protection and protective clothing should be worn by firefighters in areas where chemical products are stored.

UNUSUAL FIRE AND EXPLOSION HAZARDS: Do not use solid water streams near ruptured tanks or spills of product as it is acidic based and may react violently with water. At high temperatures, sulfur trioxide gas can be released.

SECTION 5: REACTIVITY DATA

STABILITY: Stable
HAZARDOUS POLYMERIZATION: Will not occur
INCOMPATIBILITY: Product is corrosive to mild steel, copper, copper alloys and galvanized steel. May be corrosive to paints, enamels and concrete. Oxidizing agents.

CONDITIONS TO AVOID: Heat, electric arcs, sparks and flames.
HAZARDOUS DECOMPOSITION PRODUCTS: At temperatures above 600 °C sulfur trioxide may be released. Can react with most metals to give flammable, potentially explosive hydrogen gas.

SECTION 6: HEALTH HAZARD DATA

ROUTES OF ENTRY /SIGNS AND SYMPTOMS OF EXPOSURE:

ACUTE: Corrosive to eyes and skin, concentrated solutions can destroy tissue on contact. Can cause blindness.

INGESTION: Harmful if swallowed. Can cause severe burns and complete tissue perforation of mucous membranes of the mouth, throat, esophagus and stomach if swallowed.

INHALATION: Mist or dust at high levels may cause irritation to the nose, throat and lungs. May cause damage to the upper respiratory tract.

CHRONIC EFFECTS: None known

CARCINOGENS: None under OSHA, IARC or NTP.

MEDICAL CONDITIONS AGGRAVATED BY EXPOSURE: None known.

EMERGENCY AND FIRST AID PROCEDURES:

EYES: Immediately flush with plenty of water for 15 minutes. See a physician.

SKIN: Wash with soap and water. Remove contaminated clothing. See a physician if irritation occurs.

INHALATION: Remove to fresh air. If breathing has stopped start artificial respiration. See a physician.

INGESTION: Call a physician immediately, **DO NOT INDUCE VOMITING DILUTE BY DRINKING WATER (MILK IF AVAILABLE) NEVER GIVE LIQUIDS TO AN UNCONSCIOUS PERSON.**

SECTION 7: PRECAUTIONS FOR SAFE HANDLING AND USE

SPILL OR LEAK PROCEDURES:

SMALL SPILLS: Flush to treatment system with large amounts of water.

LARGE SPILLS: Sweep up into suitable containers. Keep out of fish bearing waters.

WASTE DISPOSAL METHOD: Dump to waste water treatment system, observe local, state and federal regulations. Product is hazardous waste, EPA Code (c,R), EPA Hazardous Waste Numbers D002, D003, due to pH.

SECTION 8: TRANSPORTATION AND LABELING

REGULATORY INFORMATION:

DOT HAZARD CLASS: 8

SHIPPING NAME: Corrosive liquids, oxidizing, n.o.s. (Sulfuric Acid, Nitric Acid, Fluorboric Acid)

ID NUMBER: UN 3093

PACKING GROUP: II

LABELS: 8, 5.1

TSCA: All components included in the inventory.

SECTION 9: HANDLING AND STORAGE

HANDLING AND STORING: Keep container closed when not in use.

OTHER PRECAUTIONS: Keep out of reach of children. Store in proper chemical storage area.

If water pollution occurs, notify the proper authorities.

SECTION 10: CONTROL MEASURES

RESPIRATORY PROTECTION: Use NIOSH approved respiratory equipment for dust and mist.

VENTILATION: Local exhaust to maintain air contamination below TLV limit.

GLOVES: Rubber gloves, neoprene, or synthetic rubber required.

EYE PROTECTION: Safety glasses or goggles required.

OTHER PROTECTIVE EQUIPMENT: As needed to prevent prolonged or repeated skin contact. Eye wash fountain and safety shower in work area.

WORK /HYGIENIC PRACTICES: Launder contaminated clothing before reuse.

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