

MATERIAL SAFETY DATA SHEET

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SECTION I:**GENERAL INFORMATION****PRODUCT NAME:** WT422 WASTE TREATMENT **Product Shelf Life:** 1000 daysProper Shipping Name: FERRIC CHLORIDE
SOLUTION,8,UN2582,PG III

Container Description: Drum

SECTION II:**HAZARDOUS INGREDIENTS**

COMPONENT NAME	CAS#	Weight %	OSHA PEL	AGGIH TLV
Ferric Chloride	7705-08-0	30-50%	1.4	1.4

SECTION III:**PHYSICAL DATA**

Boiling Point: >200 F	Solubility in H2O: Complete
Vapor Pressure: N/A	Appearance: Brown
Vapor Density: N/A	pH 5% sol'n: 3-5
Specific Gravity: 1.45	V.O.C. %: 0
(H2O=1@77 F)	Evaporation Rate: N/A
Odor: None	

SECTION IV:**FIRE AND EXPLOSION DATA**

ESTIMATED FLAMMABLE LIMITS (%By volume in air) LEL:NE UEL:NE

FLASH POINT(OF):T.C.C. Non Flammable

EXTINGUISHING MEDIA: Use water spray to cool containers exposed to fire.

SPECIAL FIRE FIGHTING PROCEDURES: Wear full-faced respirator self-contained breathing apparatus. Use water to keep fire exposed containers cool and flush spills away from the fire. In the case of large fires also cool surrounding equipment and structures with water. Do not spray pool fires directly. A solid stream of water or foam directed into hot burning liquid can cause frothing which can be violent.

UNUSUAL FIRE AND EXPLOSION HAZARDS: May emit highly toxic fumes when burning. Component(s) have high fire hazard when exposed to heat or flame.

SECTION V:**HEALTH HAZARD DATA**

INHALATION:Can cause nasal irritation, dizziness, nausea and headache

INGESTION:Can cause damage to throat and esophagus. Can cause nausea, vomiting and diarrhea.

SKIN:Can cause irritation and burns.

EYES:Can cause severe irritation, tearing, blurred vision.

SECTION VI:**EMERGENCY AND FIRST AID PROCEDURES**

INHALATION: If affected, remove individual to fresh air. If breathing is difficult, administer oxygen. Get medical attention.

INGESTION: Call physician or poison control center.

SKIN CONTACT: Wash exposed area with soap and water. Remove contaminated clothing. Launder clothing before reuse.

EYE CONTACT: Flush for at least 15 minutes with large amounts of water, lifting upper and lower lids occasionally. Get medical attention immediately.

SECTION VII:**REACTIVITY DATA**

STABILITY Stable: True

HAZARDOUS POLYMERIZATION CAN OCCUR: False

CONDITIONS AND MATERIALS TO AVOID: Excessive heat

HAZARDOUS DECOMPOSITION PRODUCTS: Sulfur oxides

SECTION VIII:**SPILL OR LEAK PROCEDURES** **ERG#: 154**

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

Ventilate if in enclosed area. Eliminate all ignition sources.

SMALL SPILL: Slowly neutralize with dilute soda ash or lime to pH 6-9. If soda ash is used, provide adequate ventilation to dissipate the carbon dioxide gas. Mop up or soak up with non-combustible absorbent inorganic material. Transfer to a DOT approved container.

LARGE SPILL: Contain by diking with a non-combustible absorbent inorganic material. Prevent runoff from entering sewers, stream drains, surface water and soil. Slowly neutralize with dilute soda ash or lime to pH between 6-9. If soda ash is used, provide adequate ventilation to dissipate the carbon dioxide gas. Transfer neutralized solution to a DOT approved container. Destroy by approved incineration or deposit with approved landfill. Must be in accordance with federal, state and local laws and regulations.

SECTION IX:**SPECIAL PROTECTION**

RESPIRATORY: If threshold limit value is exceeded, use MSHA/NIOSH approved respirator for acid vapors.

EYEWEAR: Chemical splash goggles and face shield compliance with OSHA regulations are advised. Provide eye bath near work site.

CLOTHING/GLOVES: Wear resistant gloves such as rubber.

VENTILATION: Provide sufficient mechanical (general and/or local exhaust) ventilation to maintain exposure levels below TLV's.

SECTION X:**SPECIAL PRECAUTIONS**

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING:

Keep container closed when not in use. Store away from ignition sources in cool dry area. Use adequate ventilation. Read all container labeling. Use drum spigots that are not metal.

ADDITIONAL PRECAUTIONS: Since empty containers may retain product residues (vapor, liquid or solid) all labeled hazard precautions must be observed.

FOR INDUSTRIAL USE ONLY. KEEP OUT OF REACH OF CHILDREN. DO NOT TAKE INTERNALLY.

SECTION XI:**FEDERAL AND STATE REGULATORY INFORMATION**

FEDERAL REGULATORY INFORMATION

All components of this material are included in the EPA Toxic Substances Control Act (TSCA) Chemical Substance Inventory

Title III SARA Section 302

Product contains materials subject to reporting under SARA Section 302: **NO**

CERCLA

Product contains materials subject to reporting under CERCLA (40 CFR302.4): **YES RQ=1000**

Title III SARA Section 313

Product contains materials subject to reporting under SARA Section 313: **NO**

Resource Conservation and Recovery Act (RCRA)

Product is a hazardous waste under RCRA (40 CFR 261.20): **NO**

STATE REGULATORY INFORMATION

California Proposition 65

Product contains materials that are carcinogenic and/or can cause reproductive harm and is subject to warning and discharge requirements under the "Safe Water and Toxic Enforcement Act of 1986": **NO**

SECTION XII:**ADDITIONAL INFORMATION**

NCPA-HMIS RATINGS

HEALTH (ACUTE) 2

FAMMABILITY 0

REACTIVITY 0

PERSONAL PROTECTION -

FOR CHEMICAL EMERGENCIES CALL: 800-535-5053

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