

16 OZ ETCHANT (276-1535)

Faxback Doc. # 2998

7 HC CORPORATION  
P.O. BOX 3262  
ARLINGTON, TEXAS 76010-3262  
1149 MINERAL SPRINGS ROAD  
ARLINGTON, TEXAS 76017  
(817) 468-7152

EMERGENCY  
RESPONSE  
NUMBER:  
(817) 467-5090

PRODUCT IDENTIFICATION

PRODUCT NAME:

FERRIC CHLORIDE SOLUTION - WASTEWATER TREATMENT GRADE

EFFECTIVE DATE:

SEPTEMBER, 1989

SYNONYMS:

IRON CHLORIDE

CAS NUMBER:

7705-08-0

CHEMICAL FORMULA:

FeCl<sub>3</sub>

HAZARDOUS INGREDIENTS:

FERRIC CHLORIDE - @ 37% TO 42%

HYDROCHLORIC ACID - 3% MAX.

DOT HAZARD CLASS:

CORROSIVE

SEC 1 PHYSICAL DATA:

APPEARANCE:

BROWN TO ORANGE COLOR

ODOR:

SLIGHTLY ACIDIC

SOLUBILITY:

COMPLETE

BOILING POINT:

@ 106 C.

MELTING POINT:

VARIES DEPENDING ON CONCENTRATION

SPECIFIC GRAVITY:

1.1 - 1.456

VAPOR DENSITY:

SIMILAR TO WATER

VAPOR PRESSURE:

40 mm Hg (95 F)

SEC 2 FIRE AND EXPLOSION INFORMATION

FIRE:

NOT FLAMMABLE (HOWEVER CONTACT WITH SOME METALS MAY PRODUCE HYDROGEN GAS TO FLAMMABLE OR EXPLOSIVE LIMITS).

EXPLOSION:

SEE "FIRE".

FIRE EXTINGUISHING MEDIA:  
THAT SUITABLE FOR BACKGROUND FLAMMABLES

SEC 3 REACTIVITY DATA:

STABILITY:  
STABLE  
HAZARDOUS DECOMPOSITION PRODUCTS:  
WILL NOT OCCUR  
HAZARDOUS POLYMERIZATION:  
WILL NOT OCCUR  
INCOMPATIBILITIES:  
RAPIDLY CORRODES MOST METALS. AVOID CONTACT WITH ALUMINUM AND  
ALUMINUM ALLOWS, CARBON STEEL, COPPER AND COPPER ALLOYS, AND NYLON.

SEC 4 LEAK/SPILL DISPOSAL INFORMATION

SPILLS:  
NEUTRALIZE WITH SODA ASH (Na<sub>2</sub>CO<sub>3</sub>) OR LIME (CaO) THEN PICK UP SPILLS  
WITH ABSORBENT MATERIAL AND DISPOSE OF AT APPROVED HAZARDOUS  
MATERIALS DISPOSAL SITE.  
REPORTABLE QUANTITY:  
1000 LBS (454 KG)  
DISPOSAL:  
(SEE "SPILLS")

SEC 5 HEALTH HAZARD INFORMATION

A. EXPOSURE/HEALTH EFFECTS  
INHALATION  
NOT VOLATILE  
INGESTION:  
CORROSIVE! INGESTION OF FERRIC CHLORIDE CAN CAUSE BURNS OF THE  
MOUTH, THROAT, ESOPHAGUS AND GASTROINTESTINAL TRACT.  
SKIN CONTACT:  
CORROSIVE! CAN CAUSE REDNESS, PAIN AND SKIN BURNS.  
EYE CONTACT:  
CORROSIVE! CAN CAUSE BURNS TO EYE TISSUE AND PERMANENT EYE DAMAGE.  
CHRONIC EXPOSURE:  
MAY CAUSE SKIN SENSITIZATION IN HUMANS.  
AGGRAVATION OF PRE-EXISTING CONDITIONS:  
CARCINOGEN RATING:  
NOT APPLICABLE  
  
B. FIRST AID

INHALATION:

REMOVE TO FRESH AIR. IF NOT BREATHING, GIVE ARTIFICIAL RESPIRATION.  
CALL PHYSICIAN

INGESTION:

DO NOT INDUCE VOMITING! GIVE LARGE QUANTITIES OF MILK OR WATER IF  
AVAILABLE. NEVER GIVE ANYTHING BY MOUTH TO UNCONSCIOUS PERSON.  
GET MEDICAL ATTENTION IMMEDIATELY.

SKIN EXPOSURE:

IN CASE OF CONTACT, IMMEDIATELY FLUSH WITH LARGE QUANTITIES OF WATER  
FOR AT LEAST 15 MINUTES. REMOVE AND WASH CONTAMINATED CLOTHING  
BEFORE REUSE. SEEK MEDICAL ATTENTION IF SKIN BURNS ARE EVIDENT.

EYE EXPOSURE:

FLUSH EYES WITH LARGE QUANTITIES OF WATER FOR AT LEAST 15  
MINUTES. OBTAIN MEDICAL ATTENTION IMMEDIATELY.

C. TOXICITY DATA: (RTECS 1982)  
ORAL LD50 - 900 mg/kg IN RATS.

SEC 6 OCCUPATIONAL CONTROL MEASURES:

AIRBORNE EXPOSURE LIMIT:

-OSHA PERMISSIBLE EXPOSURE LIMIT (PEL):  
NOT ESTABLISHED.

-ACGIH THRESHOLD LIMIT VALUE (TLV):  
FOR MISTS AND DUSTS OF SOLUBLE IRON SALTS. /mg/m<sup>3</sup> (AS Fe)

VENTILATION SYSTEM:

GENERAL VENTILATION SHOULD BE PROVIDED TO KEEP VAPOR AND MIST  
BELOW ACCEPTABLE LIMITS.

PERSONAL RESPIRATORS:

NOT NORMALLY REQUIRED.

SKIN PROTECTION:

WHERE POTENTIAL FOR EXPOSURE EXISTS, WEAR APRON AND BOOTS  
IMPERVIOUS TO THE PRODUCT.

EYE PROTECTION:

WEAR SPLASHPROOF GOGGLES AND FACE-SHIELD.

SEC 7 STORAGE AND SPECIAL INFORMATION

STORE AND HANDLE ONLY IN CONTAINERS SUITABLY LINED WITH OR  
CONSTRUCTED OF MATERIALS SPECIFIED FOR THIS PRODUCT (CONSULT  
YOU SUPPLIER).