

16 OZ ETCHANT (276-1535A)

Faxback Doc. # 2997

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:
FeCl3
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 ALLOYS, CARBON STEEL, COPPER AND COPPER ALLOYS, AND NYLON.

SEC 4 LEAK/SPILL DISPOSAL INFORMATION

SPILLS:

NEUTRALIZE WITH SODA ASH (Na₂CO₃) 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.

INGESTION: CALL PHYSICIAN.

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/m³ (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).