

MSDS**Material Safety Data Sheet**

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Ferric Chloride, Lump**SECTION 1 PRODUCT IDENTIFICATION**

NAME: Ferric Chloride, Lump
EKI ORDER NUMBERS: 4187, 4185
SYNONYMS: N/I
CAS NO: 7705-08-0
FORMULA: $\text{FeCl}_3 \cdot 6\text{H}_2\text{O}$
REVISION DATE: 19 April 2004

******LABEL HAZARD STATEMENT AND PRECAUTIONS******

WARNING! HARMFUL IF SWALLOWED OR INHALED. CAUSES IRRITATION. Avoid contact with skin, eyes and clothing. Avoid breathing dust. Keep container closed. Use only with adequate ventilation. Wash thoroughly after handling.

SECTION 2 HAZARDOUS INGREDIENTS / EXPOSURE LIMITS

INGREDIENT/CAS NO -----	OSHA PEL -----	ACGIH TLV -----
Ferric Chloride/7705-08-0	N/E	1mg Fe/m3 TWA

SECTION 3 PHYSICAL / CHEMICAL CHARACTERISTICS

SOLUBILITY IN WATER: Soluble	BOILING POINT (C): N/I
VAPOR PRESSURE (mm Hg): 1.1	VAPOR DENSITY: N/I
SPECIFIC GRAVITY: 2.9	MELTING POINT (C): 37
EVAPORATION RATE: N/I	
APPEARANCE AND ODOR: Yellowish-brown lumps of crystals; slight odor of hydrochloric acid.	

SECTION 4 FIRE / EXPLOSION HAZARD DATA

FLASH POINT (C): Not a fire hazard.
AUTOIGNITION TEMPERATURE (C): Does not apply.
FLAMMABLE LIMITS (%): Does not apply
EXTINGUISHING MEDIA: Water, dry chemical, foam, CO2.
SPECIAL FIRE FIGHTING PROCEDURES: Firefighters should wear self-contained breathing apparatus with fullface piece operated in pressure-demand or other positive-pressure mode.
UNUSUAL FIRE AND EXPLOSION HAZARDS: Fire may generate hydrochloric acid fumes.

SECTION 5 REACTIVITY DATA

STABILITY: Stable

CONDITIONS TO AVOID: N/I

MATERIALS TO AVOID: Metals. Water contact will release toxic fumes.

HAZARDOUS DECOMPOSITION PRODUCTS: HCl.

HAZARDOUS POLYMERIZATION: Does not occur.

SECTION 6 HEALTH HAZARD DATA

ROUTES OF ENTRY AND EFFECTS OF OVEREXPOSURE:

INHALATION: Causes severe mucous membrane irritation of upper respiratory tract.

SKIN CONTACT: Causes irritation. May cause burns.

EYE CONTACT: Causes severe irritation. May cause burns.

SKIN ABSORPTION: N/I

INGESTION: Causes severe irritation to mouth, throat, stomach. Liver damage may occur with larger quantities.

CHRONIC: Liver damage.

MEDICAL CONDITIONS GENERALLY AGGRAVATED BY EXPOSURE: N/I

CARCINOGENICITY: None

****FIRST AID PROCEDURES****

GET IMMEDIATE MEDICAL ATTENTION

EYE CONTACT: Immediately flush with plenty of water for at least 15 minutes, separating eyelids occasionally.

SKIN CONTACT: Immediately flush with plenty of water for at least 15 minutes while removing contaminated garments.

INHALATION: Remove to fresh air. Get medical attention for any breathing difficulty.

INGESTION: Do NOT induce vomiting. If conscious, give large quantities of water to drink.

SECTION 7 PRECAUTIONS FOR SAFE HANDLING AND USE

STEPS TO BE TAKEN IN CASE MATERIAL IS SPILLED OR RELEASED: Scoop or sweep up and containerize for disposal.

WASTE DISPOSAL METHOD: Dispose in accordance with all applicable federal, state, and local environmental regulations.

STORAGE: Store tightly closed at 15-30C.

SECTION 8 CONTROL MEASURES

VENTILATION: Local or general.

RESPIRATORY PROTECTION: If required, approved half-face dust respirator.

EYE PROTECTION: Chemical safety goggles and/or full face shield.

SKIN PROTECTION: Gloves, lab coat and impervious apron.

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