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POLY RESEARCH CORPORATION -- FERRIC CHLORIDE, ANHYDROUS -- 6810-00-682-6677

============= Product Identification ========================

Product ID:FERRIC CHLORIDE, ANHYDROUS

MSDS Date:10/11/1993

FSC:6810

NIIN:00-682-6677

MSDS Number: BTRPH === Responsible Party ===

Company Name: POLY RESEARCH CORPORATION

Address:125 CORPORATE DRIVE

City:HOLTSVILLE

State:NY ZIP:11742 Country:US

Info Phone Num:516-242-1020

Emergency Phone N um:800-424-9300

CAGE:64713

=== Contractor Identification ===

Company Name: POLY RESEARCH CORPORATION

Address:125 CORPORATE DRIVE

Box:City:HOLTSVILLE

State:NY

ZIP:11742-2007 Country:US

Phone:516-758-0460

CAGE:64713

======= Composition/Information on Ingredients ========

Ingred Name: FERRIC CHLORIDE (SARA III)

CAS:7705-08-0 RTECS #:LJ9100000 Fraction by Wt: 99%

Other REC Limits: NONE RECOMMENDED

OSHA PEL:1 MG (FE)/M3

ACGIH TLV:1 MG (FE)/M3; 9394

EPA Rpt Qty:1000 LBS DOT Rpt Qty:1000 L

BS
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LD50 LC50 Mixture:NONE SPECIFIED BY MANUFACTURER. Routes of Entry: Inhalation:YES Skin:YES Ingestion:YES Reports of Carcinogenicity:NTP:NO IARC:NO OSHA:NO Health Hazards Acute and Chronic:EYE CONTACT: MAY CAUSE IRRITATION AND MAY BE CORROSIVE AND RESULT IN PERMANENT VISUAL LOSS. SKIN CONTACT: A MODERATE SKIN IRRITANT. CONTACT CAN CAUSE IRRITATION OR CORROSIVE CHEMICAL BURNS TO HUMAN TI SSUE. INHALATION: IR RITANT. INGESTION:
MAY CAUSE SEVERE LIVER AND/OR KIDNEY DAMAGE. Explanation of Carcinogenicity:NONE Effects of Overexposure:SEE HEALTH HAZARDS. Medical Cond Aggravated by Exposure:PERSONS WITH A HISTORY OF EYE, SKIN AND RESPIRATORY DISORDERS MAY BE AT INCREASED RISK FROM EXPOSURE.
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First Aid:EYE: IMMEDIATELY FLUSH WITH PLENTY OF WATER FOR 15-20 MINUTES. GET MEDICAL ATTENTION. SKIN: REMOVE CONTAMINATED CLOTHING.
WASH WITH SOAP AND WATER. INHALATION: REMOVE TO FRESH AIR. GIVE OXYGEN IF BREA THING IS DIFFICULT. GIVE ARTIFICIAL RESPIRATION IF VICTIM IS NOT BREATHING. INGESTION:DO NOT INDUCE VOMITING. DRINK COPIOUS AMOUNTS OF WATER. GET IMMEDIATE MEDICAL ATTENTION.
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Flash Point:NONE Extinguishing Media:USE CARBON DIOXIDE, OR DRY CHEMICAL. Fire Fighting Procedures:WEAR FIRE FIGHTING PROTECTIVE EQUIPMENT AND A FULL FACED SE LF CONTAINED BREATHING APPARATUS. COOL EXTERIOR OF
STORAGE TANKS.

Unusual Fire/Explosion Hazard: MAY RELEASE CHLORINE GAS OR HYDROGEN CHLORIDE GAS AT HIGH TEMPERATURES AS MATERIAL DECOMPOSES. CAUTION: THIS MATERIAL HEATS ON CONTACT WITH WATER.

======== Accidental Release Measures ============

Spill Release Procedures: WEAR PROTECTIVE EQUIPMENT AND VENTILATE AREA AS REQUIRED. SWEEP OR SCOOP UP AND REMOVE. FLUSH AREA WITH WATER. Neutralizing Agent:NONE SPECIFIED B

Y MANUFACTURER.
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Handling and Storage Precautions:STORE AWAY FROM HEAT, STRONG ALKALIS AND ALKALI METALS. KEEP CONTAINERS CLOSED AND DRY. PROTECT CONTAINER FROM PHYSICAL DAMAGE. Other Precautions:AVOID CONTACT WITH WATER AND MINIMIZE CONTACT WITH MOISTURE.EMPTIED CONTAINER MAY RETAIN VAPOR AND PRODUCT RESIDUE.
====== Exposure Controls/Personal Protection ========
Respiratory Protection:USE NIOSH/MSHA APPROVED, FULL FACE RESPIRATOR WITH DUST FILTER. CONSULT RESPIRATOR MANUFACTURER TO DETERMINE APPROPRIATE EQUIPMENT. Ventilation:MECHANICAL (GENERAL) VENTILATION IS USUALLY ADEQUATE. Protective Gloves:IMPERVIOUS RUBBER GLOVES Eye Protection:SAFETY GLASSES WITH SIDE SHIELDS Other Protective Equipment:SAFETY SHOWER AND EYE BATH. Work Hygienic Practices:WASH THOROUGHLY AFTER HANDLING AND BEFORE EATING OR DRINKING. LAUNDER CONTAMINATED CLOTHING BEFORE REUSE. Supplemental Safety and Heal th NONE
========= Physical/Chemical Properties ==========
HCC:C1 Boiling Pt:B.P. Text:581F,305C Vapor Pres:NEGLIGIBLE Spec Gravity:2.8 -2.9 Solubility in Water:APPRECIABLE Appearance and Odor:GREENISH BLACK GRANULAR SOLID
========= Stability and Reactivity Data =========
Stability Indicator/Materials to Avoid:YES NONE SPECIFIED BY MANUFACTURER. Stability Condition to Avoid:AVOID HIGH TEMPERATURES. Hazardous Decomposition Products:CAN RELEASE CHLORINE GAS

AT ELEVATED

TEMPERATURES ABOVE 553F. CAN RELEASE HYDROGEN CHLORIDE GAS ON CONTACT WITH WATER.

======= Disposal Considerations ===========

Waste Disposal Methods:DISPOSE OF SPILLED, NEUTRALIZED, OR WASTE PRODUCT CONTAMINATED SOIL AND OTHER CONTAMINATED MATERIALS IN ACCORDANCE WITH ALL APPLICABLE FEDERAL, STATE AND LOCAL REGULATIONS.

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