

IRON X

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PRODUCT NAME: IRON X

TRADE SECRET REGISTRY #307554-5554P

HMIS CODES: H F R P

UN NUMBER : 8, 6.1, UN2817,PGIII

3 0 1 B

===== SECTION I - MANUFACTURER IDENTIFICATION =====

MANUFACTURER'S NAME: PARISER INDUSTRIES

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DATE PRINTED : 06/09/03

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NAME OF PREPARER : ENVIRONMENTAL

DEPARTMENT

===== SECTION II - HAZARDOUS INGREDIENTS/SARA III INFORMATION =====

REPORTABLE COMPONENTS	CAS NUMBER	VAPOR PRESSURE		WEIGHT PERCENT
		mm Hg	@ TEMP	
AMMONIUM BIFLUORIDE TLV 2.5mg/m3	1341-49-7	N/A	N/A	17.00
HYDROFLUOSILICIC ACID OSHA PEL 2.5mg/m3	16961-83-4	N/A	N/A	6.00

*** No toxic chemical(s) subject to the reporting requirements of section 313 of Title III and of 40 CFR 372 are present. ***

===== SECTION III - PHYSICAL/CHEMICAL CHARACTERISTICS =====

pH 1% SOLUTION : 4.10

BOILING RANGE: 220øF - 239.5øC

SPECIFIC GRAVITY (H2O=1): 1.08

VAPOR DENSITY: N/A

EVAPORATION RATE: N/A

COATING V.O.C.: NOT APPLICABLE

MATERIAL V.O.C.: NOT APPLICABLE

SOLUBILITY IN WATER: SOLUBLE

APPEARANCE AND ODOR: WATER WHITE SOLUTION ODORLESS

===== SECTION IV - FIRE AND EXPLOSION HAZARD DATA =====

FLASH POINT : N/A

METHOD USED: n/a

FLAMMABLE LIMITS IN AIR BY VOLUME- LOWER: n/a

UPPER: n/a

EXTINGUISHING MEDIA: FOR FIRES INVOLVING THIS PRODUCT, WATER SPRAY, CARBON DIOXIDE, FOAM OR DRY CHEMICAL MAY BE USED.

SPECIAL FIREFIGHTING PROCEDURES

SELF-CONTAINED POSITIVE PRESSURE BREATHING APPARATUS AND PROTECTIVE CLOTHING SHOULD BE WORN. WATER SPRAY MAY BE USED TO CONTROL DUST.

UNUSUAL FIRE AND EXPLOSION HAZARDS

N/A

===== SECTION V - REACTIVITY DATA =====

STABILITY: STABLE

CONDITIONS TO AVOID

HEAT, SPARKS AND FLAMES. TEMPERATURES ABOVE 250ø C.

INCOMPATIBILITY (MATERIALS TO AVOID)

ATTACKS GLASS

HAZARDOUS DECOMPOSITION OR BYPRODUCTS

HYDROGEN FLUORIDE, AMMONIA

HAZARDOUS POLYMERIZATION: WILL NOT OCCUR

===== SECTION VI - HEALTH HAZARD DATA =====

INHALATION HEALTH RISKS AND SYMPTOMS OF EXPOSURE

REMOVE TO FRESH AIR. IF NOT BREATHING, GIVE ARTIFICIAL RESPIRATION, PREFERABLY MOUTH-TO-MOUTH. IF BREATHING IS DIFFICULT, GIVE OXYGEN. CALL A PHYSICIAN.

SKIN AND EYE CONTACT HEALTH RISKS AND SYMPTOMS OF EXPOSURE

FLUSH WITH WATER SEEK MEDICAL ATTENTION

SKIN ABSORPTION HEALTH RISKS AND SYMPTOMS OF EXPOSURE

CAN CAUSE SEVERE SKIN IRRITATION AND CORROSION. CAUSES IRRITATION AND BURNING OF THE EYES. IF INGESTED, CAN CAUSE NAUSEA AND VOMITING. COUGHING AND DIFFICULTY OF BREATHING CAN RESULT IF INHALED.

INGESTION HEALTH RISKS AND SYMPTOMS OF EXPOSURE

IF INGESTED, GIVE WATER OR MILK. IF UNCONSCIOUS OR CONVULSING, DO NOT GIVE FLUIDS, KEEP VICTIM WARM. SEEK MEDICAL HELP.

HEALTH HAZARDS (ACUTE AND CHRONIC)

SEE ABOVE

CARCINOGENICITY: NTP CARCINOGEN: No IARC MONOGRAPHS: No OSHA REGULATED: Yes

MEDICAL CONDITIONS GENERALLY AGGRAVATED BY EXPOSURE

NONE KNOWN

EMERGENCY AND FIRST AID PROCEDURES

SEE ABOVE

===== SECTION VII - PRECAUTIONS FOR SAFE HANDLING AND USE =====

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED

LEAKS SHOULD BE STOPPED. SPILLS SHOULD BE CONTAINED AND CLEANED UP IMMEDIATELY. SPILLS SHOULD BE REMOVED BY USING A VACUUM TRUCK. NEUTRALIZE REMAINING TRACES OF MATERIAL WITH ANY DILUTE INORGANIC ACID SUCH AS HYDROCHLORIC, SULFURIC, NITRIC, PHOSPHORIC, AND ACETIC ACID. THE SPILL AREA SHOULD THEN BE FLUSHED WITH WATER FOLLOWED BY LIBERAL COVERING OF SODIUM BICARBONATE. ALL CLEAN-UP MATERIAL SHOULD BE REMOVED AND PLACED IN APPROVED CONTAINERS, LABELED AND STORED IN A SAFE PLACE TO AWAIT PROPER TREATMENT OR DISPOSAL. SPILLS ON AREAS OTHER THAN PAVEMENT, I.E., DIRT OR SAND, MAY BE HANDLED BY REMOVING THE AFFECTED SOILS AND PLACING IN APPROVED CONTAINERS. PERSONS PERFORMING CLEAN-UP WORK SHOULD WEAR ADEQUATE PERSONAL PROTECTIVE EQUIPMENT AND CLOTHING. SPILLS OR RELEASES SHOULD BE REPORTED, IF REQUIRED, TO THE APPROPRIATE LOCAL, STATE AND FEDERAL REGULATORY AGENCIES. CAUTION: SODIUM HYDROXIDE MAY REACT VIOLENTLY WITH ACIDS AND WATER.

WASTE DISPOSAL METHOD

IF MATERIAL CAN NOT BE SALVAGED, A METHOD IS NEUTRALATION FOLLOWED BY DISCHARGE INTO A TREATMENT SYSTEM IN ACCORDANCE WITH ALL LOCAL, STATE, AND FEDERAL REGULATIONS.

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING

STORE IN CLOSED CONTAINER IN COOL DRY AREA. KEEP AWAY FROM ACIDS.

OTHER PRECAUTIONS

USE GOOD LABORATORY PRACTICES

===== SECTION VIII - CONTROL MEASURES =====

RESPIRATORY PROTECTION

USE SELF-CONTAINED BREATHING APPARATUS IN HIGH VAPOR CONCENTRATIONS.

IRON X

VENTILATION

GENERAL MECHANICAL VENTILATION OR LOCAL EXHAUST SHOULD BE SUITABLE TO KEEP VAPOR CONCENTRATIONS BELOW TLV. VENTILATION EQUIPMENT SHOULD BE EXPLOSION PROOF.

PROTECTIVE GLOVES

RUBBER OR VINYL GLOVES SHOULD BE WORN WHEN HANDLING THIS MATERIAL.

EYE PROTECTION

MONOGOGGLES

OTHER PROTECTIVE CLOTHING OR EQUIPMENT

EYE BATH, SAFETY SHOWER

WORK/HYGIENIC PRACTICES

N/A

===== SECTION IX - DISCLAIMER =====

TO THE BEST OF OUR KNOWLEDGE, THE INFORMATION CONTAINED HEREIN IS ACCURATE, OBTAINED FROM SOURCES BELIEVED BY PARISER INDUSTRIES, INC., TO BE ACCURATE. AS WITH ALL CHEMICALS, KEEP AWAY FROM CHILDREN, ANIMALS, AND FOOD PRODUCTS. FOR INDUSTRIAL USE ONLY, USE AS DIRECTED.

===== SECTION X - UN CODE =====

8, 6.1, UN2817, PGIII