

MATERIAL SAFETY DATA SHEET

IRON OFF

Latest Revision Date...07/19/06

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SECTION 1

MANUFACTURER INFORMATION

HYDRO-ZONE, INC.
17800 Telegraph Road
Romulus, Michigan 48174
Ph. (734) 247-4488

FOR CHEMICAL EMERGENCY
CALL INFOTRAC @ 1-800-535-5053
24 HRS/DAY, 7 DAYS/WEEK

SECTION 2

PRODUCT IDENTIFICATION

PRODUCT NUMBER..... HZ 6129
TRADE NAME OR CHEMICAL NAME... IRON OFF
SYNONYMS..... NA
CHEMICAL FAMILY..... Acidic Cleaner
NFPA - HEALTH HAZARD..... 3
 FIRE HAZARD..... 0
 REACTIVITY HAZARD..... 0
NFPA SCALE..... 4=Extreme 3=High 2=Moderate 1=Slight 0=Insignificant
KEY..... NA= Not Applicable ND= Not Determined

SECTION 3

HAZARDOUS INGREDIENTS

CHEMICAL NAME(S)	CAS NUMBER	% WT	TLV-TWA	PEL	SEC.313	CARCINOGEN?
Sulfuric Acid	7664-93-9	<10	1 mg/m3	1 mg/m3	Yes	No
Hydrofluoric Acid	7664-39-3	<10	3 ppm	3 ppm	Yes	No

SECTION 4

SHIPPING DATA

D.O.T. PROPER SHIPPING NAME... Corrosive Liquid, Acidic, Inorganic, N.O.S. (Hydrofluoric Acid, Sulfuric Acid)
D.O.T. HAZARD CLASS..... Corrosive Material Class 8
D.O.T. LABELS REQUIRED..... Corrosive
UN/NA I.D. NUMBER..... UN 3264
PACKAGING GROUP..... II
NON-BULK SHIPPING NAME..... Corrosive Liquid, Acidic, Inorganic, N.O.S. (Hydrofluoric Acid, Sulfuric Acid), 8, UN 3264, PG II
BULK SHIPPING NAME..... Corrosive Liquid, Acidic, Inorganic, N.O.S. (Hydrofluoric Acid, Sulfuric Acid), 8, UN 3264, PG II, RQ (If 1,428 lbs. or more in one container)

SECTION 5

PHYSICAL DATA

BOILING/FREEZING POINT @760 mmHg... 215°F (102°C) / ND
pH..... 1.0
VAPOR PRESSURE mm Hg @20° C..... ND
VAPOR DENSITY (Air = 1)..... ND
PERCENT VOLATILE BY WEIGHT (%)..... 80
SPECIFIC GRAVITY @20°C..... 1.09
SOLUBILITY IN WATER..... Complete
EVAPORATION RATE..... (Water=1) <1
APPEARANCE AND ODOR..... Pink liquid with pungent odor.

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SECTION 6 FIRE AND EXPLOSION HAZARD DATA

FLASH POINT (Test Method)..... NA
AUTOIGNITION TEMPERATURE..... NA
FLAMMABILITY LIMITS IN AIR (% V)... NA
EXTINGUISHING MEDIA..... Not combustible
SPECIAL FIRE FIGHTING PROCEDURES... Wear self-contained breathing apparatus and chemical protective clothing.
UNUSUAL FIRE & EXPLOSION HAZARDS... NA

SECTION 7 REACTIVITY DATA

PRODUCT STABILITY..... Stable
Conditions to Avoid..... Contact with soft metals can produce hydrogen gas.
CHEMICAL INCOMPATIBILITY..... Strong alkalis
HAZARDOUS DECOMPOSITION PRODUCTS... Carbon monoxide and unidentified organic compounds
HAZARDOUS POLYMERIZATION..... Will Not Occur

SECTION 8 HEALTH HAZARD DATA

SKIN CONTACT... Contact with liquid, mist or vapor may cause immediate irritation or corrosive burns to all human tissue.
Severity of burns is determined by the concentration of the solution and duration of exposure.
EYE CONTACT... May result in permanent vision loss unless removed quickly by thorough irrigation of water.
INHALATION.... Inhalation of concentrated vapor or mists will damage upper respiratory tract and lung tissues.
INGESTION..... May be fatal.

SECTION 9 EMERGENCY AND FIRST AID PROCEDURES

SKIN.....Remove contaminated clothing and flush exposed skin with soap and water for at least 15 minutes. Get medical attention promptly. Discard contaminated clothing and footwear.
EYES.....Immediately flush eyes with large amounts of water for 15 minutes and get immediate medical attention. Speed in treatment is essential.
INGESTION...If swallowed, DO NOT INDUCE VOMITING. Get medical attention immediately. Treat for acid ingestion. Never give anything by mouth to an unconscious person.
INHALATION...Move to fresh air. Aid in breathing, if necessary, and get medical attention.

SECTION 10 ENVIRONMENTAL DATA

SPILL OR LEAK PROCEDURES... Prevent spread of spill. Avoid skin contact. Neutralize with soda ash. Absorb onto inert material. Do NOT use sand as violent reaction may occur. Place in suitable container for disposal.
WASTE DISPOSAL METHOD..... Corrosive. Dispose of in accordance with all federal, state and local regulations.
HAZARDOUS WASTE 40CFR261... Yes. Hazardous Waste Number: D002, U134
CONTAINER DISPOSAL..... Empty containers may contain residuals. Thoroughly clean, then offer for recycling, reuse, or disposal in accordance with governmental regulations.

SECTION 11 SPECIAL PROTECTION INFORMATION

RESPIRATORY PROTECTION.....NIOSH/MSHA approved can or cartridge respirator for gas and vapor as needed to maintain P.E.L.
VENTILATION.....Local and/or mechanical exhaust to maintain exposure below P.E.L.
PROTECTIVE CLOTHING.....Neoprene gloves, full chemical suit, boots - as necessary to prevent skin contact.
EYE PROTECTION.....Chemical goggles and/or full face shield.
OTHER PRECAUTIONS.....Safety shower and eyewash fountains should be easily accessible.

SECTION 12 SUPPLIER INFORMATION

This information is furnished without warranty, expressed or implied, except that it is accurate to the best knowledge of manufacturer. The data on this sheet relates only to the specific material designated herein. Manufacturer assumes no legal responsibility for use or reliance upon this data.