



**Material safety data
sheet
Revised 03/24/03**

Section 1

Manufactures name:
Company Address:

Manufacture Information

Danny's Dealer Supplies Inc.
1037 Okeechobee Rd. Unit 1
West Palm Beach Fl. 33401
561-822-9994 Fax 561-655-1522
800-535-5053 Infotrac 24 hours Medical information
Cross Bones
Dds.430
Not Applicable
Not Applicable
Proprietary
Not Applicable

Company phone:
Emergency phone:
Trade name:
Part Number:
Chemical name:
Chemical Family:
Formula:
Product code:

Hazardous material identification

Product name:
Hazard rating:

Cross Bones

Dds.430
0 = Insignificant
1 = Slight
2 = Moderate
3 = High
4 = Extreme
* = Special

Health	3
Fire	0
Reactivity	2
Specific	*

Section 2

Hazardous ingredients

Hazardous ingredients See CFR29 § 1910.1200 (i)-(13)

Chemical name	CAS number	Percentage	PEL-OSHA	TLV-ACGIH
Hydrofluoric acid	7664-39-3	>1	2.5mg/m3	2.5mg/m3
Sulfuric acid	7664-93-9	>1	1mg/m3	1mg/m3
Phosphoric acid	7664-38-2	>1	1mg/m3	1mg/m3
2 Buloxy Ethanol (skin)	111-76-2	>1	50ppm	25ppm

Carcinogens NTP: no OSHA: no IARC Monograph: no

Section 3

Effects of overexposure First aid procedures

Health effects acute and chronic

Eyes: Vapor as well as liquid can cause corneal burns or conjunctivitis.
Skin: Vapor as well as liquid can cause corneal burns, which may not be noticed immediately. Hydrofluoric acid will penetrate the skin and attack protein, subsurface tissue and bone.
Ingestion: Will cause severe mouth, throat and stomach burns. Kidneys can be affected. Possibility of hypocalcaemia could be fatal unless medical attention is prompt.
Inhalation: Even small amounts and prolonged breathing of vapors can cause irritation. Heavy exposure can cause throat burns, lung inflammation and pulmonary edema. Calcium level in body will be depleted if not promptly treated.

Chronic: Over exposure to mineral acids has been found to cause ammonia, lung, liver and kidney damage. Hypocalcaemia, blood damage and tissue breakdown has been found in laboratory animal testing.

Emergency First aid procedures

Eyes: Flush with plenty of water for 15 minutes.
Skin: Immediately flush skin with plenty of running water for 30 minutes. Remove contaminated clothing and wash before reusing.
Ingestion: Contact a physician immediately. Drink copious amounts of water or milk.
Inhalation: Breathe fresh air. Administer oxygen if breathing is difficult. Contact a physician if problem continues. For emergencies contact Infotrac 800-535-5053

Section 4

Physical data

Appearance	Clear thin liquid
Odor	Acid
Solubility in water	100%
Vapor pressure mm hg	<2
Boiling/melting point (F)	>212
Vapor density (air=1)	2
Evaporation rate (water-1)	1
Percentage volatile by weight (%)	>80.00
Specific gravity (water-1)	1.210

Section 5 Fire, Explosion and Reactivity hazard data

Flash point °F	None
Flammability limits in air (%V)	LEL-N/A UEL-N/A
Extinguishing media	See section 8 other additional comments
Special fire fighting procedures	Clear area of all personnel. Do not enter confined area with out full bunker gear.
Unusual fire and explosion hazards	N/A
Chemical incompatibility	Avoid contact with acids and strong oxidizing agents.
Hazardous decomposition products	None
Hazardous polymerization	Will not occur.

Section 6 Spill or leak procedures Waste disposal method

Spill or leak procedures	Absorb large spills with suitable absorbent. Wash residue down drain or pit area with plenty of water. Acid Can be neutralized with lime slurry, soda ash or another alkaline product.
Waste disposal method	Dispose of according to local, state and federal regulations.

Section 7

Precautions for safe handling and use

Respiratory	An appropriate NIOSH approved hydrocarbon canister or respirator for mineral acids.
Ventilation	Local exhaust below TLV
Eye protection	Safety glasses should be worn in all industrial operations.
Handling instructions	Avoid eye contact and prolonged contact with skin. Wear protective acid resistant gloves. Full protective clothing should be worn Use adequate ventilation. Wash thoroughly after handling.

Work practices Eye wash fountain and safety shower should be easily accessible. Discard properly such items as rags and trash soaked with the product. Provide adequate ventilation.

Hygienic practices Avoid contact with eyes, skin and clothing. Avoid inhalation of product vapors. Remove contaminated clothing promptly and wash before reusing.

Section 8

Special precautions

Handling precautions Do not store under freezing conditions.
Protect from physical damage.
Do not store near alkalis, alkaline materials and oxidizers.
Containers mark: hydrofluoric acid solution not more than 60% strength 8 UN1790 PK GP II corrosive poison.

Maintenance precautions When working with flammable material electrically ground all equipment.

Other precautions Containers even those that have been emptied will retain product residue and vapors. Always obey hazard warnings and dispose of containers according to state or local guidelines.

Additional precautions Fire fighting and spill procedures. Always wear full bunker gear and breathing apparatus. Cool containers with water fog spray. Heavy spray could spread or splash acid on others.

Health effects Fluorosis in bones and joints.
Skin tissue can deteriorate with exposure.
Wear protective equipment when using product.
Become familiar with the product to assure proper usage and understanding the severity of damage caused by mishandling.

Shipping information. UN/NA#, secondary container label necessary or suggested Hydrofluoric acid solution not more than 60% strength 8 UN-1790 PK GP II corrosive poison.

KEEP OUT OF REACH OF CHILDREN