

Material Safety Data Sheet
May be used to comply with
OSHA's Hazard Communication Standard

OSHA's Hazard Communication Standard, 29 CFR 1910.1200. Standard must be consulted for specific requirements.

U.S. Department of Labor

Occupational Safety and Health Administration (Non-Mandatory Form) CHM00/35 Form Approved

OMB No. 1218–0072 X460/0087 – 010



IDENTITY (As Used on Label and List) Note: Blank spaces are not permitted. If any item is not applicable, or no HYDRO-BALANCE HYDRO-FOAM CONCENTRATE information is available, the space must be marked to indicate that. #H-501) #H-506 #H-555 Section I Manufacturer's Name **Emergency Telephone Number** During Transit-INFOTRAC North American Research Corporation (972) 492-1800 800-535-5053 Address (Number, Street, City, State, and ZIP Code) Telephone Number for Information P.O. Box 1318 (972) 492-1800 Date Prepared Lewisville, TX 75067 1/12/98 Signature of Preparer (optional) Section II — Hazardous Ingredients/Identity Information Other Limits Hazardous Components (Specific Chemical Identity; Common Name(s)) OSHA PEL ACGIH TLV Recommended % (optional) *Hydrofluoric Acid (CAS #7664-39-3) 3ppm as F 3ppm as F 6ppm as F **<** 20 $1mg/m^3$ *Phosphoric Acid (CAS #7664-38-2) $1mg/m^3$ $3mg/m^3$ <20 NFPA HAZARD RATING: pH = 1.0SHIPPING DESCRIPTION: "4" Health CORROSIVE LIQUID, ACIDIC, INORGANIC, NOS "0" Flammable (HYDROFLUORIC ACID) (PHOSPHORIC ACID), "1" Reactivity 8, UN 3264, PG II "Acid" Specific Hazard If the hazardous ingredients are listed with an asterisk*, the ingredient is subject to the reporting requirements of Section 313 of Title III of the Superfund Amendments & Reauthorization Act of 1986 & Section III — Physical/Chemical Characteristics **Boiling Point** Specific Gravity (H₂O = 1) 150°F 1.04 Vapor Pressure (mm Hg.) Melting Point @ 25°C 110 N/A Vapor Density (AIR = 1) Evaporation Rate @ 70°F 2.21 Not Det. (Butyl Acetate = 1) Solubility in Water Miscible Appearance and Odor Reddish liquid; Acidic to pungent odor Section IV — Fire and Explosion Hazard Data Flash Point (Method Used) Flammable Limits LEL UEL Not Flammable N/D N/D Extinguishing Media Not flammable. Use water spray to keep containers cool. Use appropriate media on surrounding fire. Special Fire Fighting Procedures
Wear self-contained breathing apparatus (NIOSH approved) & full protective clothing. Do not use water spray on leaking containers. Unusual Fire and Explosion Hazards Reaction with alkalis will generate considerable heat and toxic gases. Reaction with some metals, i.e. Aluminum, will generate Hydrogen GAs. Heat increases container

pressure and may cause rupturing at container.

Section V —	Reactivity Dat	a				——————————————————————————————————————
Stability	Unstable	·	Conditions to Avoid High heat			WIIG
	Stable	Х	·			
ncompatibility (Materials to Avoid	n Cvar	nides, Sulfides and some	oxides		
Hazardous Decor	mposition or Byprox	ducts			ton vanon	
	Compose. Boils	away a	as hydrogen fluoride gas Conditions to Avoid	anu wa	ter vapor.	
Hazardous Polymerization			N/A			
	Will Not Occur	х				
Section VI -	- Health Hazar	d Data				
Route(s) of Entry	r: In	halation?	X Skir	1? X		Ingestion? X
May be a ch	(Acute and Chronic ironic health f	nazara.	Product can cause burns	which	may not be imm	mediately painful or visible.
Wearing con	taminated clo	thing s	uch as shoes & gloves may	resul	t in pailful d	elayed effects. INHALATION of
vapors over	· TLV limits ma	ay caus	e damage to respiratory s	ystem	and cause pulm	onary edema.
Carcinogenicity:	· · · · · · · · · · · · · · · · · · ·	TP? No			graphs? No	OSHA Regulated? No
				····		
Vapor can of pulmonary equantities Medical Condition Generally Aggra Use no oils permissible Emergency and large quantities water or mits Section VII Steps to Be Ta Contain span absorbe	edema. SKIN COLOR of clean water ons awated by Exposure so or ointments e mask or NIOS. First Aid Procedultity of milk o ilk may be per — Precautions when in Case Materills and leaks ont. Larger sp	NTACT: r while VAPO H posit res r water formed s for Scial is Rei neut	wash with copious amounts holding the eyelids apare of opthaine in affected eyelinds and the summer of the summer	ime. Sycling.	ter. Eye LUNIA patient if al not rub for 2 of sodium glu fresh air. I DO NOT induce Call a physici	ngs and respiratory system and CT: flush eyes immediately with larg lergic to novacaine. Apply 2 drops -3 hours. Irrigate eye for 20 conate. See physician at once. f TLV is exceeded, wear OSHA vomiting. Immediately drink a an. Gastric lavage with lime, ay be absorbed with sand, dirt or
Dispose of	in accordance	with	federal, state and local	regula	L TORS.	
Store in w near alkal Other Precauti before usi Gauntlet c or using r	lies. AVoid brooms For Professing. Keep out of Toves, footgenestroom after	eathing essinal of reac ar, lon handli	vapors and always wear p , Industrial & Institution th of children. Protective igsleeve coveralls, or rub ng. Do Not smoke, eat or	rotect nal us ve equi	ive equipment we only. For or pment: chemica	when handling. utdoor use only. Read entire label l splash goggles, PVC or Neoprene ds thoroughly before eating, drinkin Always apply product down wind.
	II — Control M					
Use only	rotection <i>(Specify T</i> in well ventil	ated ar	reas (Outdoors). If expost	ure lim	its are exceed Special	ed use OSHA permissible chemical mas
Ventilation	Local Exhaust	Local Exhaust N/A			N/A	
	Mechanical (G	eneral)	N/A		Other For outd	oor use only.
Protective Glo	oves PVC or Neo	prene (gloves	Eye P	otection cal goggles or	chemical faceshield
Other Protecti	ive Clothing or Equ			<u> </u>		
NA (Charles			Longsleeves or apron			and cating ampling on using restroom