M A T E R I A L S A F E T Y

D A T A S H E E T

HAZARD RATINGS

HEALTH	2	0=least
FLAMMABILITY	0	1=slight
REACTIVITY	2	2=moderate
		3=high
		4=extreme

I. P R O D U C T I D E N T I F I C A T I O N:

Prepared for: Visual Pollution Tech, Inc.
Address: **P.O.** Box 12833 Scottsdale, AZ 85267
Product Name: Dissolve
Product Code: 1321

Chem Info Phone 480-657-9183
General Info 480-657-9183
Chem Emergency 800-255-3924
Date Prepared 8/14/92
Preparer:T.W.Smoot

II. H A Z A R D O U S I N G R E D I E N T S :

Name: Phosphoric Acid ;2 % CAS# 7664-38-2 OSHA (PEL):1 mg/m3
Hydrochloric Acid; 20 % CAS# 7647-01-0
OSHA (PEL): 5 ppm ceiling

III. P H Y S I C A L D A T A:

Appearance and odor: Clear red with sharp acid odor.
Boiling Point: > 212 F
Specific Gravity,(H2O=1): 1.09 **pH**,1.5 **Vapor Pres.:**MMHg@20C Not Determined **Solubility in water:**
Vapor Density(9Air=1):" " Complete
Evap. Rate: (HOH-1) N.D. **Melting Point:** NA

IV. F I R E & E X P L O S I O N D A T A:

Flash Point: None **Test Methods:** T.C.C.
Flammability Limits In Air,% by Vol.:NA **Lower:**NA **Upper:**NA
Extinguishing Media:NA
Special Fire Fighting Procedures: If containers are broken, acid resistant boots must be worn; If containers heated to boil, bursting could cause splashing of corrosive solution into eyes: Use face mask.
Unusual Fire Fighting Hazard: See above.

V. H E A L T H I N F O R M A T I O N

Effects_of_Over_Exposure: **Inhalation:** Hydrogen chloride gas, mist and vapor can cause irritation of respiratory tract, with burning, choking, coughing, headaches and rapid heartbeat. 35 ppm cab cause irritation of throat and 50-100 ppm is nearly unbearable for one hour.Inflamation, destruction of nasal passages and breathing difficulties can occur with higher concentrates and may be delayed in offset. 1000-2000 ppm can be fatal. **Ingestion:** Can cause severe burns of mouth, throat, and stomach. Nausea pain and vomiting frequently occur. Depending upon amount swallowed holes in the intestinal tract, kidney inflammation, shock and death can occur. **Skin Contact:** Liquid hydrogen chloride or concentrated vapors can rapidly cause burning of skin. Repeated or prolonged contact with dilute solution, and concentrated vapors, can cause irritation and dermatitis.
Eye Contact: Liquid or concentrated vapors can cause eye irritation, severe burns and permanent damage including blindness.
Emergency_First_Aid: **Inhalation:** Move person to fresh air. If breathing stops, administer artificial respiration. Get medical attention immediately. **Skin:**Wash well with water. Remove contaminated clothing. Get medical attention immediately. **EYES:**Flush with water, get medical attention immediately, lift lower and upper eyelids and rotate eyeballs. **Ingestion:** Do not induce vomiting. Drink lots of water, get medical attention.
Control_Measures: Keep containers closed. Use only with adequate ventilation.Use chemically resistant rubber gloves, splash goggles or safety glasses and dust mask. Use with local exhaust..
Spills: For small spills and large spills, dilute and neutralize with soda ash. Recover for proper disposal. Consult federal, state and local disposal requirements.

VI. R E A C T I V I T Y D A T A

Stability: Stable **Incompatibility:** Stong Bases.
Hazardous Decomposition or byproducts: Hydrogen gas.
Hazardous Polymerization: Will not occur.

* Toxic Chemicals subject to reporting requirements section 313 of Emergency Planning and Community Right-To-Know Act and of 40 CFR 372. This information must be included on all MSDS'S that are copied and distributed for this product.