

MATERIAL SAFETY DATA SHEET

PRODUCT NAME: ACRYLIC WATERBASE INK
PRODUCT CODE: WB 2000

HMIS CODES: H F R P
1 0 0 B

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

MANUFACTURER'S NAME: T. W. GRAPHICS GROUP
ADDRESS: 7220 East Slauson Avenue, City of Commerce, CA. 90040
EMERGENCY PHONE: 1-800-424-9300 **INFORMATION PHONE:** (323) 721-1400
DATE REVISED : 08-25-89 **NAME OF PREPARER** : N. J. DAVID

===== **SECTION II - HAZARDOUS INGREDIENTS/IDENTITY INFORMATION** =====

HAZARDOUS COMPONENTS	OCCUPATIONAL EXPOSURE LIMITS				VAPOR PRESSURE mm Hg @ TEMP	WEIGHT PERCENT
	CAS NUMBER	OSHA PEL	ACGIH TLV	M FR TLV		
Acrylic COPOLYMER	N/A				N/A	10
2-(Dimethylamino) ethanol	108-01-0	25 ppm			4.0 68F	< 5.0%
Dipropylene Glycol Methyl Ether		100 ppm			0.6 80F	< 5.0%
Ethylene Glycol N-Butyl Ether	111-76-2	50 ppm	25 ppm		0.6 68F	2.66
VINYL COPOLYMER	N/A				N/A	< 5.0%

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

BOILING POINT: 274 – 340 Deg F **SPECIFIC GRAVITY (H20=1):** 1.1
VAPOR DENSITY: HEAVIER THAN AIR **EVAPORATION RATE:** SLOWER THAN ETHER
COATING V.O.C. : 1.66 LB/GL (199 GR/LT)
MATERIAL V.O.C. : 1.05 LB/GL (126 GR/LT)
SOLUBILITY IN WATER: Complete solubility.
APPEARANCE AND ODOR: Milky or colored liquid with mild odor.

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

FLASH POINT: None **METHOD USED:** EPA 1010
FLAMMABLE LIMITS IN AIR BY VOLUME- LOWER: 1.0% UPPER: 13.4%

EXTINGUISHING MEDIA: FOAM, ALCOHOL FOAM, CO2, DRY CHEMICAL, WATER FOG

SPECIAL FIREFIGHTING PROCEDURES

Wear self-contained breathing apparatus to protect against hazardous effects of normal combustion or oxygen deficiency.

UNUSUAL FIRE AND EXPLOSION HAZARDS

Will not support combustion unless the water has evaporated.

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

STABILITY: STABLE
CONDITIONS TO AVOID
None

INCOMPATIBILITY (MATERIALS TO AVOID)
None

HAZARDOUS DECOMPOSITON OR BYPRODUCTS
Normal combustion products as carbon dioxide, carbon monoxide, or oxides of nitrogen.

HAZARDOUS POLYMERIZATION: WILL NOT OCCUR

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

INHALATION HEALTH RISKS AND SYMPTOMS OF EXPOSURE
None currently known.

SKIN AND EYE CONTACT HEALTH RISKS AND SYMPTOMS OF EXPOSURE
None currently known.

SKIN ABSORPTION HEALTH RISKS AND SYPMTOMS OF EXPOSURE
None currently known.

INGESTION HEALTH RISKS AND SYMPTOMS OF EXPOSURE
Ingestion may cause slight toxicity, nausea, and narcosis.

HEALTH HAZARDS (ACUTE AND CHRONIC)
Prolonged exposure may cause slight toxicity.

CARCINOGENICITY: NTP? NO **IARC MONOGRAPHS?** NO **OSHA REGULATED?** NO

MEDICAL CONDITIONS GENERALLY AGGRAVATED BY EXPOSURE
Overexposure may cause eyes and skin irritations, headache, nausea.

EMERGENCY AND FIRST AID PROCEDURES
EYE CONTACT: Immediately flush eyes with running water for at least 15 minutes while holding the eyelids open. If irritation persists, call physician.
SKIN CONTACT: Wash skin thoroughly with mild soap and water. If irritation persists, see a physician.
INHALATION: If there are acute or chronic symptoms, move person to fresh air, give artificial respiration, and call a physician.

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

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED

Eliminate open flames or ignition in the vicinity of spill or released vapor. Stop source of leak. Absorb large spills with absorbent clay or other suitable materials.

WASTE DISPOSAL METHOD

Place contaminated material in disposable containers. Incinerate observing local, state, and federal health, safety, and pollution laws.

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING

Store and use in a well-ventilated area.
DO NOT USE OR STORE NEAR OPEN FLAMES, SPARKS, OR HOT SURFACES.
KEEP CONTAINERS TIGHTLY CLOSED.

OTHER PRECAUTIONS

HMIS RATINGS: H/1, F/0, R/0, P/B

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

RESPIRATORY PROTECTION

Wear approved NIOSH respiratory protective equipment.

VENTILATION

Use adequate ventilation to keep airborne concentration below exposure standards.

PROTECTIVE GLOVES

Use waterproof gloves for direct contact.

EYE PROTECTION

Wear safety goggles for prolonged exposure.

OTHER PROTECTIVE CLOTHING OR EQUIPMENT

Eyewash fountains, safety showers, and wash contaminated clothing before use.

WORK/HYGIENIC PRACTICES

Safety showers and eyewash fountains are recommended.

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

DISCLAIMER

This information is furnished without warranty, representation, inducement, license of any kind, except that it is accurate to the best of TW GRAPHICS' knowledge obtained from sources believed by TWG to be accurate. TW Graphics does not assume any legal responsibility for use or reliance upon same.
CUSTOMERS ARE ENCOURAGED TO CONDUCT TESTS BEFORE USE.