

**MATERIAL SAFETY DATA SHEET**

**PRODUCT NAME:** WATERBASE INK  
**PRODUCT CODE:** WB 5000 and 5500 Gloss and Flat

**HMIS CODES: H F R P**  
**1 0 0 B**

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

**MANUFACTURER'S NAME:** T.W. GRAPHICS GROUP  
**ADDRESS:** 3323 S. MALT AVE. COMMERCE, CA 90040  
**EMERGENCY TELEPHONE:** CHEMTREC: 1-800-424-9300  
**OTHER INFORMATION CALLS:** 1-323-721-1400  
**DATE PREPARED:** October 26, 2009  
**PREPARED BY:** Juan R Madrigal  
**REASON REVISED:** UPDATE

===== **SECTION 2 – HAZARDOUS INGREDIENTS/IDENTITY**

HAZARDOUS COMPONENTS	CAS #	OSHA-PEL	ACGIH-TLV	MFR-TLV	VAPOR PRESSURE	
					Mm Hg@TEMP	WEIGHT %
ETHYLENE GLYCOL MONOBUTYL ETHER	111-76-2	25 ppm	25 ppm		0.6 68F	<5.0%
HEXYLENE GLYCOL	107-41-5	25 ppm	25 ppm		0.1 68F	<5.0%
DIMETHYLETHANOLAMINE		25 ppm			N/A	<5.0%
SURFACTANT	9016-45-9				N/A	<5.0%
DIPROPYLENE GLYCOL	025265-718	25ppm			N/A	<5.0%

+++No toxic chemical (s) subject to the reporting requirements of section 313 of Title III of CFR 372 are present+++  
+ TLV refer to products as such and do not indicate value in the finished ink as printed which represents a smaller percentage considered irritating.

===== **SECTION 3 – PHYSICAL & CHEMICAL CHARACTERISTICS**

**Boiling Point:** >212 DEG F  
**Evaporation Rate:** SLOWER THAN ETHER  
**Solubility in Water:** Soluble  
**Appearance & odor:** Milky or colored liquid with mild odor.  
**Specific Gravity (H2O=1):** 1.2  
**Vapor Density (Air = 1)** HEAVIER THAN AIR

===== **SECTION 4 – FIRE & EXPLOSION DATA**

**Flash Point:** NONE  
**Method Used:** EPA 1010  
**Flammable Limits in Air**  
**% by Volume:** **LOWER-** 1.2% **UPPER-** 8.5%  
**Extinguisher Media:** FOAM, ALCOHOL FOAM, DRY CHEMICAL, WATER FOG  
**Special Fire:** WEAR SELF-CONTAINED BREATHING APPARATUS AND  
**Fighting Procedures:** PROTECTIVE CLOTHING TO PROTECT AGAINST HAZARDOUS EFFECTS OF NORMAL COMBUSTION OR OXYGEN DEFICIENCY.  
**Unusual Fire & Explosion Hazards:** WILL NOT SUPPORT COMBUSTION UNLESS THE WATER HAS EVAPORATED.

===== **SECTION 5 – PHYSICAL HAZARDS (REACTIVITY DATA)**

**Stability:** Stable under normal conditions. Keep away from heat.  
**Incompatibility (Materials to Avoid):** ISOLATE FROM ACIDIC MATERIALS.  
**Hazardous Decomposition or Byproducts:** Normal combustion products as carbon monoxide, carbon dioxide, or oxides of nitrogen.  
**Hazardous Polymerization:** WILL NOT OCCUR.

===== SECTION 6 – HEALTH HAZARD

**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 SYMPTOMS OF EXPOSURE**  
NONE CURRENTLY KNOWN.

**INGESTION HEALTH RISKS AND SYMPTOMS OF EXPOSURE**  
OVEREXPOSURE MAY CAUSE SLIGHT TOXICITY; MAY CAUSE NAUSEA AND NARCOSIS.

**HEALTH HAZARD (ACUTE AND CHRONIC)**  
NONE CURRENTLY KNOWN.

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

**MEDICAL CONDITIONS GENERALLY AGGRAVATED BY EXPOSURE**  
PRE-EXISTING NASAL, EYE, SKIN, OR RESPIRATORY TRACT IRRITATIONS MAY BE AGGRAVATED BY OVEREXPOSURE.

**Emergency & First Aid Procedures:**

- 1. Eye Contact:** IMMEDIATELY FLUSH EYES W/RUNNING WATER FOR AT LEAST 15 MINUTES WHILE HOLDING THE EYELIDS OPEN. IF IRRITATION PERSISTS, CALL A PHYSICIAN.
- 2. Skin Contact:** WASH SKIN THOROUGHLY W/MILD SOAP & WATER. LAUNDER CONTAMINATED CLOTHING. IF IRRITATION PERSISTS, CALL A DOCTOR.
- 3. Inhalation:** IF THERE ARE ACUTE OR CHRONIC SYMPTOMS, MOVE PERSON TO FRESH AIR, GIVE ARTIFICIAL RESPIRATION, SEEK MEDICAL CARE.

===== SECTION 7 – SPECIAL PRECAUTIONS & SPILL/LEAK PROCEDURES

**Precautions to be taken:** STORE & USE IN A WELL-VENTILATED AREA.

**In Handling & Storage:** DO NOT USE NEAR OPEN FLAME, SPARKS OR HOT SURFACES KEEP CONTAINERS TIGHTLY CLOSED.

**In case Material is Released or Spilled:** ELIMINATE OPEN FLAMES OR IGNITION IN THE VICINITY OF VAPOR. STOP SOURCE OF LEAK. ABSORB LARGE SPILLS W/ABSORBENT CLAY OR OTHER SUITABLE MATERIALS.

**Waste Disposal Methods:** FLOCCULATE LIQUID WASTES, DISPOSE OF RESIDUES OBSERVING LOCAL, STATE, & FEDERAL HEALTH, SAFETY & POLLUTION LAWS.

===== SECTION 8 – SPECIAL PROTECTION INFORMATION/CONTROL MEASURES

- Respiratory Protection:** IF EXPOSURE DOES EXCEED OCCUPATIONAL EXPOSURE LIMITS, USE A NIOSH-APPROVED RESPIRATOR, OR AN AIRPURIFYING RESPIRATOR OR AN ATMOSPHERE-SUPPLYING RESPIRATOR FOR ORGANIC VAPORS.
- Ventilation:** USE ADEQUATE VENTILATION TO KEEP AIRBORNE CONCENTRATION BELOW EXPOSURE STANDARDS.
- Protective Gloves:** USE NITRILE OR NEOPRENE GLOVES FOR DIRECT CONTACT.
- Eye Protection:  
Practices:** USE CHEMICAL SAFETY GOGGLES.
- Other protective Clothing or  
Equipment:** APRONS, EYEWASH FOUNTAINS & SAFETY SHOWERS ARE RECOMMENDED.
- Work / Hygienic Practices:** AFTER USE, WASH HANDS W/SOAP & WATER BEFORE EATING, DRINKING OR SMOKING. LAUNDRER CONTAMINATED CLOTHING BEFORE USE.

===== SECTION 10 – DISCLAIMER

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