

MATERIAL SAFETY DATA SHEET

PRODUCT NAME: TWB-4000-234 WB LAMINATING CLR **HMIS CODES: H F R P**
PRODUCT CODE : TWB 4234 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 : 05-31-95 **NAME OF PREPARER :** M. SCHULE
REASON REVISED : See Section VIII.

===== **SECTION II - HAZARDOUS INGREDIENTS/SARA III INFORMATION** =====

HAZARDOUS COMPONENTS	CAS NUMBER	OSHA PEL	ACGIH TLV	MFR TLV	VAPOR PRESSURE mm Hg @ TEMP	WEIGHT PERCENT
N-Methyl PYRROLIDONE	872-50-4	100 ppm	100 ppm		N/A	10
Triethylamine	121-44-8	10 ppm			54.0 68F	< 5.0%
Diethylene Glycol n-Butyl Ether	000112-345	NE	NE	35 ppm	0.1 77F	< 0.5%

~~~No toxic chemicals (s) subject to the reporting requirements of section 313 of Title III and of 40 CFR 372 are present.\*\*\*\*\*  
~~~Typical, a sub-component of one of the ingredients.

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

BOILING POINT: 212 DEG F **SPECIFIC GRAVITY (H2O=1):** 1.0
VAPOR DENSITY: HEAVIER THAN AIR **EVAPORATION RATE:** SLOWER THAN ETHER
SOLUBILITY IN WATER: Soluble.
APPEARANCE AND ODOR: Milky liquid with mild odor.

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

FLASH POINT: None **METHOD USED:** TCC
FLAMABLE LIMITS IN AIR BY VOLUME - LOWER: 0.9% UPPER: 24.6%

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 water has evaporated.

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

STABILITY: STABLE
CONDITIONS TO AVOID
None

INCOMPATIBILITY (MATERIALS TO AVOID)
None

HAZARDOUS DECOMPOSITION 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 SYMPTOMS OF EXPOSURE
Overexposure may cause slight skin irritation.

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
None currently known.

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, seek medical attention.
SKIN CONTACT: Wash skin 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 in the vicinity of spill or released vapor. Stop source of leak. Absorb large spill with absorbent clay or other suitable materials.

WASTE DISPOSAL METHOD

Flocculate liquid wastes. Dispose of residues 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 FLAME, SPARKS, OR HOT SURFACES.

OTHER PRECAUTIONS

Health Maintenance Identification System (HMIS) : H/1, F/0, R/0, P/B.

===== SECTION VIII - CONTROL METHODS =====

RESPIRATORY PROTECTION

If exposure does exceed occupational exposure limits, use a NIOSH approved respirator, or an atmosphere-supplying respirator, or an air-purifying respirator for organic vapors.

VENTILATION

Use adequate ventilation to keep airborne concentration below exposure standards.

PROTECTIVE GLOVES

Use waterproof gloves for direct contact.

EYE PROTECTION

Use chemical safety goggles.

OTHER PROTECTIVE CLOTHING OR EQUIPMENT

Eyewash fountains, safety showers are recommended.

WORK/HYGIENIC PRACTICES

After use, wash hands thoroughly with soap and water before eating, drinking, or smoking. Launder contaminated clothing.

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

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