

**MATERIAL SAFETY DATA SHEET**

**PRODUCT NAME:** WB ACTIVATOR  
**PRODUCT CODE:** WB-ACTI

**HMIS CODES:** **H F R P**  
3\* 2 1 E

===== **SECTION I - MANUFACTURER'S IDENTIFICATION** =====

**MANUFACTURER'S NAME:** T. W. GRAPHICS GROUP  
**ADDRESS:** 3323 S. Malt Ave. , CA 90040  
**EMERGENCY PHONE:** 1-800-424-9300      **INFORMATION PHONE:** (323) 721-1400  
**DATE PREPARED :** 01-07-96      **NAME OF PREPARER :** M. SCHULE  
**REASON REVISED :** Updated.

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

HAZARDOUS COMPONENTS	OCCUPATIONAL EXPOSURE LIMITS				VAPOR PRESSURE mm Hg @ TEMP	WEIGHT PERCENT
	CAS NUMBER	OSHA PEL	ACGIH TLV	MFR TLV		
Polyfunctional Aziridine	64265-57-2	NE	NE		N/A	80.00
Ethylene Glycol Monobutyl Ether	111-76-2	25 ppm	25ppm		0.6 68F	20

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

**BOILING POINT:** 340 Deg F      **SPECIFIC GRAVITY (H20=1):** 1.0  
**VAPOR DENSITY :** HEAVIER THAN AIR      **EVAPORATION RATE:** SLOWER THAN ETHER  
**COATING V. O. C. :** 1.72 LB/GL ( 206 GR/LT )  
**SOLUBILITY IN WATER:** Soluble.  
**APPEARANCE AND ODOR:** Clear liquid with strong ammonia odor.

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

**FLASH POINT:** 152 Deg F      **METHOD USED:** TCC  
**FLAMMABLE LIMITS IN AIR BY VOLUME- LOWER:** N/A      **UPPER:** N/A

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

**SPECIAL FIREFIGHTING PROCEDURES:**

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

**UNUSUAL FIRE AND EXPLOSION HAZARDS:**

Combustible! Keep containers tightly closed. Isolate from strong oxidizers, heat sparks, and open flame. Containers may explode if exposed to extreme heat. Use water spray to keep fire-exposed containers cool.

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

**STABILITY: STABLE****CONDITIONS TO AVOID**

Keep away from heat, sparks, and open flame.

**INCOMPATIBILITY (MATERIALS TO AVOID)**

Isolate from strong oxidizers, anhydrides, and acidic materials.

**HAZARDOUS DECOMPOSITION OR BYPRODUCTS**

Normal combustion byproducts as carbon dioxide, carbon monoxide, and oxides of nitrogen.

**HAZARDOUS POLYMERIZATION: WILL NOT OCCUR**

Polymerization may occur if mixed with acidic materials.

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

**INHALATION HEALTH RISKS AND SYMPTOMS**

Mists or vapor inhalation may cause lung damage and/or allergic reaction.

**SKIN AND EYE CONTACT HEALTH RISKS AND SYMPTOMS OF EXPOSURE**

Repeated and prolonged exposure may cause eye burns, irritation, and skin sensitization.

**SKIN ABSORPTION HEALTH RISKS AND SYMPTOMS OF EXPOSURE**

Prolonged and repeated contact may cause skin irritation and sensitization.

**INGESTION HEALTH RISKS AND SYMPTOMS OF EXPOSURE**

Harmful if swallowed.

**HEALTH HAZARDS (ACUTE AND CHRONIC)**

High vapor concentration may cause eye and skin irritation and/or allergic reaction to some individuals.

**CARCINOGENICITY: NTP? YES IARC MONOGRAPHS? YES OSHA REGULATED? YES**

Not a carcinogen at detectable levels, but because of the positive mutagenic test and carcinogenic effects of lower molecular weight aziridines, this product should be handled with due care.

**MEDICAL CONDITIONS GENERALLY AGGRAVATED BY EXPOSURE**

May cause sensitization for allergic individuals.

**EMERGENCY AND FIRST AID PROCEDURES**

**EYE CONTACT:** Flush eyes with plenty of water for at least 15 minutes while holding the eyelids open.

If irritation persists, contact a physician.

**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 or ignition to the vicinity of spill or released vapor. Stop source of leak. Absorb spills with absorbent clay or other suitable materials.

**WASTE DISPOSAL METHOD**

Flocculate liquid wastes and dispose of residues observing local, federal, health, safety, and anti-pollution laws.

**PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING**

WARNING! Avoid contact. Wear safety goggles, impervious gloves, respirator, and protective clothing while handling this material. High vapor concentration may be harmful and irritating to eyes and skin. Store and use in a well ventilated area. Keep containers tightly closed.

*DO NOT USE OR STORE NEAR OPEN FLAMES, SPARKS, OR HOT SURFACES*

**OTHER PRECAUTIONS**

H M I S Ratings: H/3\*, F/2, R/1, P/e.

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

**RESPIRATORY PROTECTION**

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

**VENTILATION**

Use adequate ventilation to keep airborne concentration below exposure standards

**PROTECTIVE GLOVES**

Use Nitrile or Neoprene gloves or North Hand Protection Style B-131 or equivalent.

**EYE PROTECTION**

Use chemical safety goggles.

**OTHER PROTECTIVE CLOTHING OR EQUIPMENT**

Eyewash fountain, safety showers and protective clothing 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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