

# MATERIAL SAFETY DATA SHEET

COMPLIES WITH OSHA'S 29 CFR 1910, 1200 AND STATE HAZARD COMMUNICATION STANDARD

**A BRITE COMPANY**  
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**DALLAS, TEXAS 75247**  
**214-638-0465**

**24 HOUR EMERGENCY PHONE NUMBER 1-800-424-9300 (CHEMTREC)**

## SECTION 1: PRODUCT IDENTIFICATION

TRADE NAME: ZnBrite ABZ 474 LCD  
GENERAL OR GENERIC ID: Zinc plating bath additive  
DATE PREPARED: 8/20/97  
LATEST REVISION DATE: 8/20/97  
NFPA/HMIS HAZARD CODES  
(minimal = 0; slight = 1; moderate = 2; serious = 3; severe = 4)  
HEALTH: 2/2 FIRE: 3/3 REACTIVITY: 0/0 SPECIAL: B

## SECTION 2: HAZARDOUS INGREDIENTS IDENTITY INFORMATION

HAZARDOUS COMPONENTS	CAS #	OSHA PEL	ACGIH TLV	IDLH LEVEL	% /WT
Methanol	67-56-1	200ppm	200ppm	25000ppm	<5
Aromatic Aldehyde	N/A	N/A	N/A	N/A	<5

\*= Reportable under SARA Title III

## SECTION 3: PHYSICAL/CHEMICAL CHARACTERISTICS

BOILING POINT: 212°F                      SPECIFIC GRAVITY: 0.90-1.02  
VAPOR PRESSURE: N/A                      PERCENT VOLATILE: N/A  
VAPOR DENSITY: N/A                      EVAPORATION RATE: slower than  
SOLUBILITY IN WATER: complete                      ether  
APPEARANCE AND ODOR: Clear to light amber liquid with alcohol odor.

## SECTION 4: FIRE AND EXPLOSION HAZARD DATA

FLASH POINT: 88°F                      FLAMMABLE LIMITS: Unknown  
EXTINGUISHING MEDIA: Water fog, carbon dioxide, alcohol foam, dry chemical and Halon.  
SPECIAL FIRE FIGHTING PROCEDURES: Pressure demand, self contained respiratory protection and protective clothing should be worn by firefighters.  
UNUSUAL FIRE AND EXPLOSION HAZARDS: None known.

## SECTION 5: REACTIVITY DATA

STABILITY: Stable                      HAZARDOUS POLYMERIZATION: Will not occur  
INCOMPATIBILITY: None known  
CONDITIONS TO AVOID: Oxidizing agents.  
HAZARDOUS DECOMPOSITION PRODUCTS: None known

## SECTION 6: HEALTH HAZARD DATA

### ROUTES OF ENTRY /SIGNS AND SYMPTOMS OF EXPOSURE:

ACUTE: Mildly irritating to the eyes and skin.  
INGESTION: Industrial chemicals are not to be taken internally.  
INHALATION: Mist or dust are not hazardous.  
CHRONIC EFFECTS: None known  
CARCINOGENS: None under OSHA, IARC or NTP.  
MEDICAL CONDITIONS AGGRAVATED BY EXPOSURE: None known.  
EMERGENCY AND FIRST AID PROCEDURES:  
EYES: Immediately flush with plenty of water for 15 minutes. See a physician.  
SKIN: Wash with soap and water. Remove contaminated clothing. See a physician if irritation occurs.  
INHALATION: Remove to fresh air. If breathing has stopped start artificial respiration. See a physician.  
INGESTION: Call a physician immediately, **DO NOT INDUCE VOMITING DILUTE BY DRINKING WATER (MILK IF AVAILABLE) NEVER GIVE LIQUIDS TO AN UNCONSCIOUS PERSON.**

## SECTION 7: PRECAUTIONS FOR SAFE HANDLING AND USE

### SPILL OR LEAK PROCEDURES:

SMALL SPILLS: Flush to treatment system with large amounts of water.  
LARGE SPILLS: Contain spill, sweep up into suitable containers. Keep out of fish bearing waters.  
WASTE DISPOSAL METHOD: Dump to waste water treatment system, observe local, state and federal regulations.

## SECTION 8: TRANSPORTATION AND LABELING

### REGULATORY INFORMATION:

DOT HAZARD CLASS: 3  
SHIPPING NAME: Flammable liquids, toxic, n.o.s. (Methanol)  
PACKING GROUP: II  
ID NUMBER: UN 1992  
LABELS: 3, 6.1  
TSCA: All components included in the inventory.

## SECTION 9: HANDLING AND STORAGE

HANDLING AND STORING: Keep container closed when not in use.  
OTHER PRECAUTIONS: Keep out of reach of children. Store in proper chemical storage area.  
If water pollution occurs, notify the proper authorities.

## SECTION 10: CONTROL MEASURES

RESPIRATORY PROTECTION: Use NIOSH approved respiratory equipment for dust and mist.  
VENTILATION: Local exhaust to maintain air contamination below TLV limit.  
GLOVES: Rubber gloves, neoprene, or synthetic rubber required.  
EYE PROTECTION: Safety glasses or goggles required.  
OTHER PROTECTIVE EQUIPMENT: As needed to prevent prolonged or repeated skin contact. Eye wash fountain and safety shower in work area.  
WORK /HYGIENIC PRACTICES: Launder contaminated clothing before reuse.

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