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 Purifier
GENERAL OR GENERIC ID: Alkaline Zinc Plating Additive
DATE PREPARED: 7/31/97
LATEST REVISION DATE: 1/17/03
NFPA/HMIS HAZARD CODES
(minimal = 0; slight = 1; moderate = 2; serious = 3; severe = 4)
HEALTH: 2/2 FIRE: 0/0 REACTIVITY: 0/0 SPECIAL: NA

SECTION 2: HAZARDOUS INGREDIENTS IDENTITY INFORMATION

HAZARDOUS COMPONENTS	CAS #	OSHA PEL	ACGIH TLV	IDLH LEVEL	% /WT
*Thiourea	62-56-6	N/A	N/A	N/A	9

*= Reportable under SARA Title III

SECTION 3: PHYSICAL/CHEMICAL CHARACTERISTICS

BOILING POINT: >212°F
SPECIFIC GRAVITY: 1.03
VAPOR PRESSURE: N/A
PERCENT VOLATILE: N/A
VAPOR DENSITY: N/A
EVAPORATION RATE: N/A
SOLUBILITY IN WATER: complete
APPEARANCE AND COLOR: Colorless liquid with slight amine odor.

SECTION 4: FIRE AND EXPLOSION HAZARD DATA

FLASH POINT: not flammable
FLAMMABLE LIMITS: N/A
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: Non combustible material.

SECTION 5: REACTIVITY DATA

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

SECTION 6: HEALTH HAZARD DATA

ROUTES OF ENTRY /SIGNS AND SYMPTOMS OF EXPOSURE:
ACUTE: May cause temporary irritation to eyes. Contact with skin if not thoroughly washed can cause depression of bone marrow with anemia, leukopenia, thrombocytopenia and agranulocytocis. May cause allergic skin eruptions, thyroid enlargement.
INGESTION: Harmful if swallowed. Can cause irritatin to the mucous membranes to the mouth, throat, esophagus and stomach if swallowed.
INHALATION: Mist or dust at high levels may cause irritation to the nose, throat and lungs. May cause damage to the upper respiratory tract.
CHRONIC EFFECTS: None known
CARCINOGENS: Thiourea is asuspected carcinogen.
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: 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: None
SHIPPING NAME: None
ID NUMBER: None
PACKING GROUP: None
LABELS: None
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.
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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