

MATERIAL SAFETY DATA SHEET

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GENERAL INFORMATION NUMBER: (414) 354-6417
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I - Product Identification

Brom 7.5 Herbicide Concentrate

PRODUCT CODE: 0317

CHEMICAL FORMULATION: Water based herbicide concentrate.

NFPA HAZARD IDENTIFICATION SYSTEM: HEALTH: 1

FLAMMABILITY: 1

REACTIVITY: 0

HAZARD RATING: 4 - Extreme; 3 - High; 2 - Moderate; 1 - Slight; 0 - Insignificant

II - Hazardous Ingredients

Values reported as TWA unless noted.

SUBSTANCE	APPROX %	OSHA PEL	ACGIH TLV	EPA 40 CFR:			CAS #
				302	355	372	
Lithium salt of Bromacil	7.5	N/E	N/E	N	N	N	314-40-9
Ethylene glycol	5.00-15.0	50 ppm	50 ppm	Y	N	Y	107-21-1
Ethanol	1.00-5.00	1,000 ppm	1,000 ppm	N	N	N	64-17-5
Methanol	< 2.00	200 ppm	200 ppm	Y	N	Y	67-56-1

Key: PEL: Permissible Exposure Limit TLV: Threshold Limit Value C: Ceiling level STEL: Short Term Exposure Limit
N/A: Not Applicable N/D: Not Determined N/E: Not Established Y: Yes N: No
302: CERCLA List of Hazardous Substances and Reportable Quantities (40 CFR 302.4).
355: SARA TITLE III / List of Extremely Hazardous Substances for Emergency Planning and Notification (40 CFR 355).
372: SARA TITLE III / List of Toxic Chemicals subject to Release Reporting (Community Right to Know) (40 CFR 372).

III - Physical Data

BOILING POINT (°F): N/D

VAPOR PRESSURE (mm Hg): N/D

VAPOR DENSITY (AIR = 1): N/D

SOLUBILITY IN WATER: Soluble

APPEARANCE AND ODOR: Clear, amber liquid; mild odor.

SPECIFIC GRAVITY (WATER = 1): 1.04

VOC CONTENT (% by weight): < 10.0

EVAPORATION RATE (WATER = 1): N/D

pH: 11.2-12.0

IV - Fire and Explosion Hazard Data

FLASH POINT (°F): > 200

(TEST METHOD): Closed cup

FLAMMABLE LIMITS IN AIR (VOLUME %) UPPER: N/D LOWER: N/D

EXTINGUISHING MEDIA: Water, foam, carbon dioxide, dry chemical.

SPECIAL FIRE FIGHTING PROCEDURES: Cool fire exposed containers with water fog. Firefighters should be equipped with full protective gear including self-contained breathing apparatus. Minimize amount of water used to fight fire as run-off may cause pollution.

UNUSUAL FIRE AND EXPLOSION HAZARD: If area is heavily exposed to fire and if conditions permit, let fire burn itself out since water may increase the area contaminated.

V - Reactivity Data

STABILITY: Stable

INCOMPATIBILITY: Acids and amines, especially primary amines.

CONDITIONS TO AVOID: None.

HAZARDOUS DECOMPOSITION PRODUCTS: Thermal decomposition may produce oxides of carbon.

HAZARDOUS POLYMERIZATION: Will not occur.

VI - Health Hazard Data

ROUTES OF ENTRY INHALATION: X **EYE CONTACT:** X **SKIN CONTACT:** X **INGESTION:** X

INGREDIENTS THAT ARE CONSIDERED BY OSHA, NTP, IARC TO BE SUSPECTED HUMAN CARCINOGENS: None.

EFFECTS OF OVEREXPOSURE

IF IN EYES: Mild to moderate irritation and redness.

IF ON SKIN: Redness, dryness and irritation, with prolonged or repeated exposure.

IF SWALLOWED: Gastrointestinal irritation, weakness, nausea, cramps, vomiting.

IF INHALED: Irritation to upper respiratory tract.

EMERGENCY AND FIRST AID PROCEDURES

IF IN EYES: Hold eye open and rinse slowly and gently with water for 15 – 20 minutes. Remove contact lenses, if present, after the first 5 minutes, then continue rinsing. Call a poison control center or doctor for treatment advice.

IF ON SKIN: Take off contaminated clothing. Rinse skin immediately with plenty of water for 15 - 20 minutes. Call a poison control center or doctor for treatment advice.

IF SWALLOWED: Call a poison control center or doctor immediately for treatment advice. Have a person sip a glass of water if able to swallow. Do not induce vomiting unless told to by poison control center or doctor.

IF INHALED: Move person to fresh air. If person is not breathing, call 911 or an ambulance, then give artificial respiration preferably mouth-to-mouth if possible. Call a poison control center or doctor for further treatment advice.

VII - Spill or Leak Protection

STEPS TO BE TAKEN IF MATERIAL IS RELEASED OR SPILLED: Contain spill. Ventilate area and remove all sources of ignition. Soak up spilled material with inert absorbent material and place in a properly marked closed container for proper disposal.

WASTE DISPOSAL METHOD: Consult local environmental authorities.

VIII - Special Protection Information

RESPIRATORY PROTECTION: Use with adequate ventilation. Do not breathe vapors or mists. If recommended Exposure Limits are exceeded wear a NIOSH approved respirator, following manufacturer's recommendations.

VENTILATION

LOCAL: Recommended

MECHANICAL: Not required

PROTECTIVE GLOVES: Chemical resistant.

EYE PROTECTION: Chemical goggles or face shield.

OTHER PROTECTIVE EQUIPMENT: Protective clothing.

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORAGE: Store in a cool, dry place away from heat or open flame. Keep container tightly closed when not in use. Do not store or consume food, drink or tobacco in areas where they may become contaminated with this material.

OTHER PRECAUTIONS: Keep out of reach of children.

IX - Transportation Information (ground transportation only)

DOT ID NUMBER: None

DOT PROPER SHIPPING NAME: None

DOT CLASS: None

DOT PACKING GROUP: None

The shipping information listed above applies only to non-bulk (< 119 gallons) containers of this product. This product may have more than one proper shipping name depending on packaging, product properties, & mode of shipment. If any alteration of packaging, product, or mode of transportation is further intended, different shipping names and labeling may apply.

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