

# MATERIAL SAFETY DATA SHEET

This MSDS complies with OSHA'S Hazard Communication Standard 29 CFR 1910.1200 and OSHA Form 174

## IDENTITY AND MANUFACTURER'S INFORMATION

<b>NFPA Rating:</b> Health-2; Flammability-0; Reactivity-0; Special- - <b>Manufacturer's Name:</b> AMREP, INC. <b>Address:</b> 990 Industrial Park Drive Marietta, GA 30062	<b>HMSIS Rating:</b> Health-2; Flammability-0; Reactivity-0; Personal Protection-B <b>DOT Hazard Classification:</b> NON-REGULATED <b>Identity</b> (trade name as used on label): <b style="text-align: center;">MISTY EX-IT CF</b>
<b>Date Prepared:</b> 02/07/03 <b>Prepared By:</b> RC/IB <b>Information Calls:</b> (770)422-2071 <b>EMERGENCY RESPONSE NUMBER:</b> 1(800)255-3924	<b>MSDS Number:</b> B00594 <b>Revision -</b> 1 <b>NOTICE:</b> JUDGMENT BASED ON INDIRECT TEST DATA

## SECTION 1 - MATERIAL IDENTIFICATION AND INFORMATION

COMPONENTS-CHEMICAL NAMES AND COMMON NAMES (Hazardous Components 1% or greater; Carcinogens 0.1% or greater)	CAS Number	SARA III LIST	OSHA PEL (ppm)	ACGIH TLV (ppm)	Carcinogen Ref. Source **
LITHIUM SALT OF 5-BROMO-3-SEC-BUTYL-6-METHYURACIL)	53404-19-6	Yes	10mg/m3	10mg/m3	d
ETHYLENE GLYCOL	107-21-1	Yes	50	50	d

## SECTION 2 - PHYSICAL/CHEMICAL CHARACTERISTICS

<b>Boiling Point:</b> 100°C <b>Vapor Pressure:</b> PSIG @ 70°F (Aerosols): N/A <b>Vapor Density</b> (Air = 1): N/D <b>Solubility in Water:</b> Soluble <b>Appearance and Odor:</b> Straw to brown colored, non-viscous liquid with bland odor. Water based.	<b>Specific Gravity</b> (H2O=1): 1.01 <b>Vapor Pressure</b> (Non-Aerosols)(mm Hg and Temperature): N/D <b>Evaporation Rate</b> ( water = 1): 1 <b>Water Reactive:</b> No
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## SECTION 3 - FIRE AND EXPLOSION HAZARD DATA

<b>FLAMMABILITY</b> as per USA FLAME PROJECTION TEST (aerosols) N/A	<b>Auto Ignition Temperature</b> N/A	<b>Flammability Limits in Air by % in Volume:</b> % LEL: N/A      % UEL: N/A
<b>FLASH POINT AND METHOD USED</b> (non-aerosols): Non-combustible, aqueous product. <b>EXTINGUISHER MEDIA:</b> Use media suitable for surrounding fire.		<b>SPECIAL FIRE FIGHTING PROCEDURES:</b> Wear self-contained breathing apparatus. Use water to cool containers exposed to fire.
<b>Unusual Fire &amp; Explosion Hazards:</b> None known.		

## SECTION 4 - REACTIVITY HAZARD DATA

<b>STABILITY</b> <input checked="" type="checkbox"/> STABLE <input type="checkbox"/> UNSTABLE	<b>HAZARDOUS POLYMERIZATION</b> <input type="checkbox"/> WILL <input checked="" type="checkbox"/> WILL NOT OCCUR
<b>Incompatibility</b> (Mat. to avoid): Do not mix with acids.	<b>Conditions to Avoid:</b> None known.
<b>Hazardous Decomposition Products:</b> Oxides of carbon, bromine compounds, unidentified organics.	

## SECTION 5 - HEALTH HAZARD DATA

<b>PRIMARY ROUTES OF ENTRY:</b> <input type="checkbox"/> INHALATION <input checked="" type="checkbox"/> INGESTION <input checked="" type="checkbox"/> SKIN ABSORPTION <input type="checkbox"/> EYE <input type="checkbox"/> NOT HAZARDOUS	
<b>ACUTE EFFECTS</b> <b>Inhalation:</b> Inhalation of mist or spray may irritate upper respiratory tract. <b>Eye Contact:</b> May cause moderate irritation. <b>Skin Contact:</b> May cause mild irritation.	
<b>Ingestion:</b> Product contains ethylene glycol. See emergency first aid procedures immediately. May cause toxic effects and gastrointestinal irritation.	
<b>CHRONIC EFFECTS:</b> None known.	
<b>Medical Conditions Generally Aggravated by Exposure:</b> Previously existing irritation may be aggravated on contact.	

## EMERGENCY FIRST AID PROCEDURES

<b>Eye Contact:</b> Flush with water for 15 minutes. If irritation persists, get medical attention.
<b>Skin Contact:</b> Wash with soap and water. If irritation persists, get medical attention.
<b>Inhalation:</b> Remove to fresh air. If irritation persists, get medical attention.
<b>Ingestion:</b> Call a physician or Poison Control Center. Drink 1 to 2 glasses of water. <b>INDUCE VOMITING</b> by touching back of throat with finger, or if available, by administering syrup of ipecac. If person is unconscious, do not give anything by mouth and do not induce vomiting. Get immediate medical attention.

## SECTION 6 - CONTROL AND PROTECTIVE MEASURES

<b>Respiratory Protection (specify type):</b> None generally needed. Use filter type respirators if needed to protect against inhalation of spray mist.	
<b>Protective Gloves:</b> Chemical resistant; Rubber or plastic.	<b>Eye Protection:</b> Chemical goggles.
<b>Ventilation Requirements:</b> Not applicable. Avoid inhalation of mists. Product is to be used outdoors.	
<b>Other Protective Clothing &amp; Equipment:</b> Long sleeved shirt and long pants. Shoes plus socks. Eyewash station and safety shower.	
<b>Hygienic Work Practices:</b> Wash hands after handling. Remove and launder clothing when application of herbicide is complete. Launder clothing before reusing.	

## SECTION 7 - PRECAUTIONS FOR SAFE HANDLING AND USE

<b>Steps To Be Taken If Material Is Spilled Or Released:</b> Do not contaminate sewers, ground waters of surface waters. Contain spill. Soak up in absorbent material, seal in properly labeled leak-proof containers for disposal.
<b>Waste Disposal Methods:</b> Dispose of in accordance with all local, state and federal regulations.
<b>Precautions To Be Taken In Handling &amp; Storage:</b> Store in original shipping containers. Keep closed when not in use. Protect from extreme heat and cold.
<b>Other Precautions &amp;/or Special Hazards:</b> KEEP OUT OF REACH OF CHILDREN. Read & follow label directions.

*We believe the statements, technical information and recommendations contained herein are reliable, but they are given without warranty or guarantee of any kind.*

\*\* Chemical Listed as Carcinogen or Potential Carcinogen. [a] NTP [b] IARC Monograph [c] OSHA [d] Not Listed [e] Animal Data.



# TECHNICAL DATA SHEET

## B00594 Ex-It CF

**Description:** This product is an effective general herbicide for use on **non-cropland areas** for control of brush and many annual and perennial weeds, and is particularly useful for control of perennial grasses. It is a water soluble liquid to be mixed in water and applied as a spray. It may also be applied undiluted for basal (soil) treatment of brush.

- Water Based, Concentrate, Systemic Kill
- 2.75% Bromacil

**General Directions:** See Example Label & MSDS for specific information regarding product usage.  
Always test in an inconspicuous area before general use.

<b>Market Info:</b>	USDA's Category Under Former Rating Program	N/A
	Dilution Ratio	Variable/Acre (See Label)
<b>Physical Properties:</b>	Appearance	Clear
	Color	Straw / lt. brown
	Fragrance/Odor	Bland
	Percent Active Ingredients	2.75%
	Evaporation Rate (Water=1)	1
	Solubility In Water	Soluble
	pH	6.0 – 8.0
	Specific Gravity	1.01
	Viscosity	<25cps
	Weight per gallon (lb/gal)	8.42
	Boiling Point (F)	>212 <sup>o</sup> F
	Freeze/Thaw Stable	Passes 3 cycles
Shelf Life	Minimum 1 yr.	
<b>Environmental Profile:</b>	2-Butoxyethanol (Butyl)	None
	Water based formula	Yes
	% Phosphorus (elemental) (If < 0.5%, then express as PPM)	None
	Ozone Depleting Compounds	None
	Chlorinated Solvents, Fluorocarbons or Phenol Compounds	None
	Concentrated; Works at room temperature	Yes
	Dibutyl Phthalate; NTA; EDTA; APE; NPE; DEA;	None
	Acidic; Caustic; Alkaline; Corrosive; Reactive	No
	Contains heavy metals	No
	Recyclable Packaging	Yes
<b>Regulatory:</b>	% VOC (by weight) concentrate	<2.0
	Meets Current Consumer Products VOC Guidelines (CA, OTC & Federal)	Yes
	EPA Registered	Yes
	Flammable (Flash point $\leq$ 142F)	No
	HAPs (Hazardous Air Pollutants)	None
	Combustible (Flash point > 142F, but $\leq$ 200F)	No
	CA Safe Drinking Water (PROP. 65) Ingredients	None
	Carcinogens, Mutagens, Teratogens (NTP, IARC, OSHA)	None
	SARA TITLE III, Sect. 313 Reportable	Yes
DOT Hazard Classification	Non-regulated	

*Note: Additional unknown trace elements may alter results.*

## Herbicides



### HMIS Rating

Health=2  
 Flammability=0  
 Reactivity=0  
 Personal Protection=B

### NFPA Rating

Health=2  
 Flammability=0  
 Reactivity=0

Manufactured by:



**NAVY BRAND MFG. CO.**  
 3670 SCARLET OAK BLVD.  
 ST. LOUIS, MO. 63122-6606  
 (800)325-3312