BANISH

NON-SELECTIVE HERBICIDE

BANISH is a water-based, non-selective, total kill herbicide with residual control. **BANISH** is strong enough to eliminate hard-to-kill weeds, and can be used for customized jobs. **BANISH** goes to work to destroy the plant from the roots up. **BANISH** provides long-term, full-season root kill.

FOR USE BY:	FOR USE ON:	FEATURE-BENEFIT:
Apartment	Loading Ramps	Use to control undesirable woody plants and brush.
Fencerows	Parking Lots	Long-lasting residual action.
Gardeners	Fence Rows	Highly Dilutable
Highways	Along Pipelines	Economical
Industrial Sites	Around Buildings	Low Odor
Junk Yards	Non-Cropland Areas	
Landscapers	Annual Weeds and Grasses.	
Lumber Yards		
Office Building		
Maintenance		
Parking Lots		
Pipelines/right-of-way		
Railroads		
Storage Yards		
Tank Farms		
Trailer Yards		

DIRECTIONS:

Dilute 1 gal. of product with 10 gal. of water for total of 11 gals.

Annual Weeds: 11 gal. of diluted product per 800 to 3100 sq. ft.

Perennial Weeds: 11 gal. of diluted product per 400 to 800 sq. ft.

Brush Control: 54.5 to 109 gals. Per acre or dilute 2 gal. with 2 gal. of water and apply on soil at the rate of 6 to 12 fluid ounces per stem 2" to 4" in basal diameter.

Quantities: 30, 35 & 55 gal., 5 or 6 gal., 6 x 1 gal. 4 x 1 gal.

TECHNICAL DATA:

Appearance:	Clear Amber Liquid
Fragrance:	Mild
Concentrate:	Yes
Specfic Gravity:	1.0
Flash Point:	None
VOC Content:	<1.0% by wt.
Solubility	Completely
Application:	Spray, Pour or Sprinkle

PURITY CHEMICALS

BANISH
NON-SELECTIVE HERBICIDE

CONTACT INFORMATION

OFFICE:
1-888-6PURITY (678-7489)
FAX
1-877-9PURITY (978-7489)
ADDRESS:
114 SOUTHFIELD PKWY
SUITE 120
FOREST PARK GA. 30297
www.puritychemicals.com

SEE REVERSE SIDE FOR MSDS

MATERIAL SAFETY DATA SHEET

Total Solutions for Purity Chemicals, Inc.
P.O. Box 118
Forest Park, GA 30297

GENERAL INFORMATION NUMBER: (414) 354-6417
CHEMTREC: (800) 424-9300

REVISION DATE: May 21, 2008
DATE OF ISSUE: August 7, 2008

I - Product Identification

Banish

PRODUCT CODE: 0318
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: 302	355	372	CAS #
Lithium salt of Bromacil	1.20	N/E	10 mg/m3,TVA	N	N	Y	314-40-9

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): 1.0
VOC CONTENT (% by weight): < 1.0
EVAPORATION RATE (WATER = 1): N/D
pH: N/D

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.
CONDITIONS TO AVOID: None

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: Flush eyes and under eyelids with plenty of cool water for at least 15 minutes. If irritation persists, obtain medical attention.
IF ON SKIN: Remove contaminated clothing and launder before reuse. Wash with soap and water. If irritation persists, obtain medical attention.
IF SWALLOWED: Contact physician or poison control center immediately. Give affected person one to two glasses of water and induce vomiting if instructed by a physician or poison control center. Never give anything to an unconscious person.
IF INHALED: Remove person to fresh air. Administer artificial respiration, if breathing has stopped. If breathing is difficult, administer oxygen.

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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