

# VACATE

## NON-SELECTIVE HERBICIDE

VACATE is a specially formulated, non-selective herbicide that offers total kill control over a wide variety of annual and perennial weeds and grasses. VACATE also offers residual action, making it the perfect herbicide for long-lasting weed control or as a semi-soil sterilant.



### FOR USE BY:

Apartment  
Fencerows  
Gardeners  
Highways  
Industrial Sites  
Junk Yards  
Landscapers  
Lumber Yards  
Office Building  
Maintenance  
Parking Lots  
Pipelines/right-of-way  
Railroads  
Storage Yards  
Tank Farms  
Trailer Yards

### FOR USE ON:

Loading Ramps  
Parking Lots  
Fence Rows  
Along Pipelines  
Around Buildings  
Non-Cropland Areas  
Annual Weeds and Grasses.

### FEATURE-BENEFIT:

Use only on Non-Cropland Area.  
VOC Compliant  
Controls Annuals & Perennials.  
Long-Lasting Residual Action.  
Soil Sterilant

### DIRECTIONS:

Apply 1 gal. per 1000 sq. feet (43.5 gals per acre) of undiluted weed killer after the most predominate weeds have emerged.

### TECHNICAL DATA:

Appearance: Clear Colorless Liquid  
Fragrance: Mild Hydrocarbon Odor  
Ready to Use: Yes  
Specific Gravity: 0.87  
Soluble: Insoluble  
VOC Content: <2.0%  
Application: Sprayer. Small areas may be treated with a tank type sprayer or sprinkling can.

## VACATE 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](http://www.puritychemicals.com)

# MATERIAL SAFETY DATA SHEET

PRODUCT NAME: Vacate

V - Reactivity Data

PRODUCT CODE: 0314

Total Solutions  
P.O. Box 240014  
Milwaukee, WI 53224



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

REVISION DATE: January 6, 2009  
DATE OF ISSUE: January 6, 2009

## I - Product Identification

### Vacate

PRODUCT CODE: 0314  
CHEMICAL FORMULATION: Solvent based non-selective residual herbicide.  
NTPA HAZARD IDENTIFICATION SYSTEM: HEALTH: 2 FLAMMABILITY: 1 REACTIVITY: 0  
HAZARD RATING: 4 - Extreme; 3 - High; 2 - Moderate; 1 - Slight; 0 - Insignificant

## II - Hazardous Ingredients

SUBSTANCE	Values reported as TWA unless noted.				CAS #		
	APPROX %	OSHA PEL	ACGIH TLV	EPA 40 CFR: 302 355 372			
Isooyl ester of 2,4-Dichlorophenoxyacetic acid	1.10	10 mg/m <sup>3</sup>	N/E	Y	N	Y	1928-43-4
Bromacil	0.61	N/E	10 mg/m <sup>3</sup>	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 SPECIFIC GRAVITY (WATER = 1): 0.84  
VAPOR PRESSURE (mm Hg): N/D VOC CONTENT (% by weight): <2.0  
VAPOR DENSITY (AIR = 1): N/D EVAPORATION RATE (WATER = 1): N/D  
SOLUBILITY IN WATER: Insoluble pH: N/A  
APPEARANCE AND ODOR: Clear colorless to slightly yellow liquid; mild hydrocarbon odor

## IV - Fire and Explosion Hazard Data

FLASH POINT (°F): N/D (TEST METHOD):  
FLAMMABLE LIMITS IN AIR (VOLUME %) UPPER: N/D LOWER: N/D  
EXTINGUISHING MEDIA: 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: Solvent vapors may cause flashback.

STABILITY: Stable  
INCOMPATIBILITY: Strong oxidizers.  
CONDITIONS TO AVOID: Excess heat and open flame.  
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: Severe irritation, redness, tearing and blurred vision.  
IF ON SKIN: Redness, dryness and irritation with prolonged or repeated exposure.  
IF SWALLOWED: Gastrointestinal irritation, nausea, cramps, vomiting.  
IF INHALED: Irritation to upper respiratory tract, weakness, headache, nausea, unconsciousness.  
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 and launder all affected clothing. Wash with soap and water. If irritation persists, obtain medical attention.  
IF SWALLOWED: Contact physician or poison control center immediately. Do not induce vomiting.  
IF INHALED: Remove person to fresh air. If breathing has stopped, give artificial respiration. Obtain medical attention.

## 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. 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: Safety goggles or face shield.  
OTHER PROTECTIVE EQUIPMENT: Eyewash station, protective clothing.  
OTHER PRECAUTIONS TO BE TAKEN IN HANDLING AND STORAGE: Store in a cool, dry place away from heat and open flame. Keep container tightly closed when not in use. Do not contaminate water, foodstuffs or feed by storage or disposal.  
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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