

# TURF KING

## WATER BASED NON-SELECTIVE WEED KILLER

**TURF KING** is a non-selective, total kill herbicide designed for use where control of all vegetation is desired. Since most of the activity is done through the roots, it is emulsifiable and requires adequate rainfall to move the herbicide into the root zone. **TURF KING** is only recommended for non-cropland areas away from residential/recreational areas, outside of the drip line of trees and away from the roots of desired plants, brush, foliage and trees.



### FOR USE BY:

Airports  
Apartment Buildings  
Buildings Maint.  
Grounds Maint.  
Bus Lines  
Corrections  
Daycares  
Hospitals  
Hotels/Motels  
Medical Buildings  
Military  
Nursing Homes  
Packaging Plants  
Parks and Rec.  
Processing plants  
Restaurants  
Sanitation Department  
Schools  
Street Departments  
WWTP

### FOR USE ON:

Along Pipelines  
Around Buildings,  
Industrial Sites  
Railroad Rights-  
of-Ways  
Loading Ramps  
Parking Lots  
Fence Rows  
Storage Yards  
Tank Farms

### FEATURE-BENEFIT:

Quickly and effectively eliminates all vegetation.  
  
Under normal conditions, a single application stops weeds from coming back for one growing season.  
  
Ideal for use on non-cropland area.  
  
The degree of control and duration depends on the amount of herbicide applied, soil type rainfall and other conditions.

### DIRECTIONS:

**Typical Application:** Mix 1 gallon with 10 gallons of water and apply over 1000 sq ft. Thoroughly wet foliage to insure contact. For best results, apply during or after weed emergence while growth is succulent. Where vegetation is tall and dense, use 1 gallon with 10 gallons of water per 1000 sq ft.

**Hard to control weeds:** For hard to control perennials and grasses, use 3-4 gallons mixed with 10 gallons water per 1000 sq ft.

### TECHNICAL DATA:

Appearance: Reddish-brown Liquid  
Fragrance: Fuel Oil  
Concentrate: Yes  
Flash Point: 123 °F

Quantities: 55, 30, 6, 5, 4 Gallons

## TURF KING WATER BASED NON-SELECTIVE WEED KILLER

### 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

Total Solutions for Purity Chemicals Inc.  
P.O. Box 188  
Forest Park, GA 30297



GENERAL INFORMATION NUMBER: (404) 363-0767  
CHEMTRREC: (800) 424-9300

REVISION DATE: August 10, 2006  
DATE OF ISSUE: August 22, 2006

## I - Product Identification

### Turf King

PRODUCT CODE: 0322

CHEMICAL FORMULATION: Liquid herbicide concentrate.

NFPA HAZARD IDENTIFICATION SYSTEM: HEALTH: 2

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 #
Petroleum Distillates	70.0-80.0	100 ppm	100 ppm	N N N	64741-44-2
Ethylbenzenes	< 1.00	100 ppm	100 ppm	Y N Y	100-114-1
n-Butanol	1.00-5.00	50 ppm (skin)C	50 ppm (skin)C	Y N Y	71-36-3
Xylene	1.00-5.00	100 ppm	100 ppm	Y N Y	1330-20-7
Glycol Monophenyl Ether	1.00-5.00	N/E	N/E	N N Y	122-99-6
1,2,4-Trimethylbenzene	1.00-5.00	25 ppm	25 ppm	N N Y	95-63-6
2,4-bis(isopropylamino)-6-methoxy-S-tiazine (Prometon)	3.73	N/E	N/E	N N N	1610-18-0
o-Xylene	1.00-5.00	100 ppm	100 ppm	Y N Y	95-47-6

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/A

SPECIFIC GRAVITY (WATER = 1): 0.87

VAPOR PRESSURE (mm Hg): N/D

VOC CONTENT (% by weight): < 90.0

VAPOR DENSITY (AIR = 1): N/D

EVAPORATION RATE (WATER = 1): > 1.0

SOLUBILITY IN WATER: Emulsifies

pH: N/A

APPEARANCE AND ODOR: Reddish-brown liquid; typical petroleum distillate odor.

## IV - Fire and Explosion Hazard Data

FLASH POINT (°F): 123

(TEST METHOD): Closed cup

FLAMMABLE LIMITS IN AIR (VOLUME %)

UPPER: N/D

LOWER: N/D

EXTINGUISHING MEDIA: Foam, carbon dioxide, dry chemical.

SPECIAL FIRE FIGHTING PROCEDURES: Firefighters should be equipped with full protective gear including self-contained breathing apparatus. Fire may produce hazardous vapors. Minimize amount of water used to fight fire, as runoff may cause pollution.

Contain any runoff for proper disposal. Cool containers with water fog

UNUSUAL FIRE AND EXPLOSION HAZARD: Solvent vapors may flash back.

PRODUCT NAME: Turf King

PRODUCT CODE: 0322

## V - Reactivity Data

STABILITY: Stable  
INCOMPATIBILITY: Strong oxidizing agents.

CONDITIONS TO AVOID: None

HAZARDOUS DECOMPOSITION PRODUCTS: Oxides of carbon and nitrogen.

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: Xylene (CAS #1330-20-7), o-Xylene (CAS #95-47-6).

EFFECTS OF OVEREXPOSURE

IF IN EYES: Severe irritation, redness, tearing, blurred vision.

IF ON SKIN: Irritation, with prolonged or repeated exposure.

IF SWALLOWED: Gastrointestinal irritation, nausea, vomiting, diarrhea.

IF INHALED: Respiratory tract irritation, dizziness, 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. Obtain medical attention.

IF ON SKIN: Remove contaminated clothing and launder before re-use. Wash thoroughly with soap and water. If irritation persists, obtain medical attention.

IF SWALLOWED: Contact physician or poison control center immediately. Do not induce vomiting. Never give anything to an unconscious person.

IF INHALED: Remove person to fresh air. Perform artificial respiration if indicated. Obtain medical assistance.

## VII - Spill or Leak Protection

STEPS TO BE TAKEN IF MATERIAL IS RELEASED OR SPILLED: Ventilate area and remove all sources of ignition. Soak up spilled material with an inert absorbent material and place in a properly labeled container for 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: Emergency shower, eye wash station, and 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 contaminate water, feed or seed by storage or disposal.

OTHER PRECAUTIONS: Keep out of reach of children.

## IX - Transportation Information (ground transportation only)

DOT PROPER SHIPPING NAME: None

DOT CLASS: None

DOT ID NUMBER: 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.

REVISION DATE: August 10, 2006

Prepared by: Technical Dept. DATE OF ISSUE: August 22, 2006

This information contained herein is based on data considered accurate. However, no warranty is expressed or implied regarding the accuracy of this data or the results to be obtained from the use thereof. Total Solutions assumes no responsibility for personal injury or property damage to the vendor, users or third parties caused by the material, such as vented or users assume all risks associated with the use of this material.