IDENTITY (As Used on Label)
Bonide Weed & Grass Killer RTU

Section I
Bonide Products, Inc.  (315) 736-8231
6301 Sutliff Road  (800) 424-9300 (Chemtrec)
Oriskany, NY  13424

Section II - Hazardous Ingredients/Identity
Hazardous Components (Specific Chemical Identity: Common Name(s) OSHA PEL  ACGIH  TLV Other Limits % (Optional)
Glyphosate          CAS#38641-94-0                     1.92%

Emergency Overview: CAUTION - EYES: Avoid contact with eyes: Moderate irritation with reversible corneal injury. May be Harmful if swallowed, this product may cause gastrointestinal tract irritation.

Section III - First Aid Measures:
EYES: Flush eyes immediately with fresh water for at least 15 minutes while holding the eyelids open. Remove contact lenses if worn. No additional first aid should be necessary. However, if irritation persists, see a doctor.
SKIN: Mild to slight irritation at 72 hours. This substance is not expected to cause significant or prolonged skin irritation. If absorbed through the skin, this substance is considered practically non-toxic to internal organs. As a precaution, wash skin thoroughly with soap and water.
INGESTION: DO NOT make person vomit unless directed to do so by medical personnel. Have person sip water if able to swallow. If irritation persists contact a medical Doctor.
INHALATION: If respiratory discomfort or irritation occurs, move the person to fresh air. See a doctor if discomfort or irritation continues.

Section IV – Fire-fighting Measures
FLASH POINT (Specify Method): >212°F, TAG CC Aqueous Base
FIRE EXTINGUISHING MEDIA: Water spray, dry chemical.
FLAMMABLE LIMITS (Percent by Volume): No data available carbon dioxide.
FIRE FIGHTING INSTRUCTIONS: This material will not burn. Smoke from fires involving this material may present unusual hazards. Avoid breathing smoke and mists. Avoid contact with fallout and runoff. Minimize the amount of water used for fire fighting. Do not enter any enclosed area without full protective equipment, including self-contained breathing equipment. Contain and isolate runoff and debris for proper disposal. Read the entire document.
NFPA HAZARD RATING: [0 Least, 1 Slight, 2 Moderate, 3 High, 4 Severe]
1 Health 0 Flammability 0 Reactivity

Section V – Accidental Release Measures
Steps to be taken in case material is released or spilled:
SMALL SPILL: Soak up spilled material with paper towels and discard in trash.
LARGE SPILL: Liquid spills on floor or other impervious surfaces should be contained or diked, and should be absorbed with attapulgite, bentonite or other absorbent clays. Collect contaminated absorbent, place in plastic-lined metal drum and dispose of in accordance with instructions provided under Section V. Thoroughly scrub floor or other impervious surface with a strong industrial type detergent solution and rinse with water. For liquid spills that soak into the ground, contact the applicable Federal, State and or County Health Dept. for disposal recommendations. If disposal is required then refer to Section XI for instructions. Any recovered spilled liquid should be similarly collected and disposed of. Do not contaminate water, foodstuffs, or feed by storage or disposal.

Section VI– Handling & Storage
HANDLING AND STORAGE: GENERAL PROCEDURES: Keep pesticide in original container. Store in a secure, preferably locked, storage area. Avoid prolonged or frequently repeated skin contact with this material. Skin contact can be minimized by wearing protective clothing. Practice good hygiene, wash thoroughly with soap and water after handling. Remove contaminated clothing and launder separately. Keep away from children.
Protect container from freezing.
STORAGE TEMPERATURE: Do not store below 32 degrees Fahrenheit.
Section VII – Personal Protection Information
EYES AND FACE: Safety glasses are advised. Handling of the product is not likely to present an eye exposure concern during normal handling. In the event of an accidental discharge of the material during manufacture or handling which could cause eye contact, workers should wear safety glasses, goggles or a face shield.
SKIN: No special skin protection is usually necessary but, impervious gloves are recommended.
RESPIRATORY: Handling of this product is not likely to present an airborne exposure concern during normal handling. In the event of an accidental discharge of the material during manufacture or handling which produces a heavy mist, workers should put on respiratory protection equipment. Consult respirator manufacturer to determine appropriate type of equipment. Observe respirator use limitations specified by NIOSH MSHA or the manufacturer. For application of product in accordance with label instructions, no special respiratory protection is required.
ENGINEERING CONTROLS: No special ventilation is usually necessary. However, if operating conditions create high airborne concentrations of this material, special ventilation may be needed.

Section VIII - Physical & Chemical Properties
| APPEARANCE AND ODOR: Yellow or off-white liquid | SOLUBILITY (water): soluble |
| BOILING POINT: No data available | SPECIFIC GRAVITY (water=1): 8.4 lb./gal |
| VAPOR DENSITY (air=1): No data available | |
| EVAPORATION RATE (Butyl Acetate =1): Not determined | VAPOR PRESSURE: Not determined |
| PERCENT VOLATILE (By Volume): Not determined | pH: 7-8 |

Section IX – Stability & Reactivity Information
STABILITY: Stable
CONDITIONS TO AVOID: None known
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INCOMPATIBILITY (Avoid contact with): May react with strong oxidizing agents, such as chlorates, nitrates, peroxides, etc.
HAZARDOUS DECOMPOSITION PRODUCTS: None
HAZARDOUS POLYMERIZATION: Will not occur

Section X - Ecological Information
This material may be toxic to aquatic organisms and should be kept out of sewage and drainage systems and all bodies of water.
Studies performed with a concentrated solution of the isopropylamine salt of glyphosate indicate the following:
MON 0139 Technical (62%)
48-hr LC50 Daphnia: 930 mg/L. Practically Nontoxic
96-hr LC50 Bluegill: >1,000 mg/L. Practically Nontoxic
96-hr LC50 Trout: >1,000 mg/L. Practically Nontoxic
96-hr LC50 Carp: >10,000 ppm. Practically Nontoxic

Section XI - Disposal Information
FOR LARGE SPILLS: Material collected that cannot be reprocessed should be disposed of in a landfill approved for pesticide disposal or in accordance with applicable Federal, State, or local procedures.
PRODUCT DISPOSAL: It is recommended that the entire product be used up, carefully following all label directions and precautions. If necessary to dispose of partially filled product container, then securely wrap it in several layers of newspaper and discard in trash.
EMPTY CONTAINER: Do not reuse container. Rinse thoroughly before discarding in trash.
Do not contaminate water, foodstuffs, or feed by storage or disposal.

Section XII - Toxicological Information
TOXICOLOGICAL INFORMATION: Oral LD50: >5,000mg/kg.
Dermal LD50: >5,000 mg/kg (EPA FIFRA Toxicity category IV)

Section XIII - Transportation Information
Section XIV - Regulatory Information

SARA TITLE III HAZARD CATEGORY:
IMMEDIATE: Yes   FIRE: No   DELAYED: No   REACTIVE: No
SUDDEN RELEASE OF PRESSURE: No
SUBSTANCES REGULATED UNDER SARA, TITLE III, SEC. 313: None

KEEP OUT OF REACH OF CHILDREN

ABBREVIATION KEY

N/A: NOT AVAILABLE OR APPLICABLE   N/E: NOT ESTABLISHED
TLV: THRESHOLD LIMIT VALUE   TWA: TIME WEIGHTED AVG./8 HOUR WORKDAY
STEL: SHORT TERM EXPOSURE LIMIT   D.O.T.: DEPARTMENT OF TRANSPORTATION

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