



## MATERIAL SAFETY DATA SHEET

**PRODUCT: Weed & Grass Killer RTU**

**CODE: 7 28030 0**

### SECTION 1 - PRODUCT INFORMATION

**P.C.P. Act Registration No.:** 29054  
**Chemical Name:** NA  
**Chemical Family:** N/A  
**Product Use:** None Selective Herbicide  
**TDG Classification:** Not Regulated

### SECTION 2 – HAZARDOUS INGREDIENTS

INGREDIENTS	WEIGHT %	CAS REG #	LD 50 (mg/Kg)	T.W.A. – T.L.V.
Acetic Acid	7-10	64-19-7	Oral, Rat: 3530	TLV-TWA: 10ppm TLV-STEL: 15 ppm (Basis: Irritation)
Emusifiable Plant Oils	2-3	NA	NA	

### SECTION 3 - PHYSICAL DATA

**Appearance:** Milky, translucent liquid  
**Odor:** Vinegar odour  
**Odor Threshold:** Not determined  
**pH:** 2-3  
**Vapor Pressure:** Not determined  
**Solubility:** Completely soluble in water

**Vapor Density:** Not determined  
**Freezing Point** ≈0oC  
**Boiling Point:** ≈100 oC  
**Critical Temperature:** Not applicable.  
**Relative Density:** ≈1.00 (water = 1)  
**Partition Coefficient:** No data  
**Evaporation Rate:** Not determined

### SECTION 4 - FIRE AND EXPLOSION

**Flash Point:** N/A  
**Lower Explosion Limit %:** N/A  
**Fire Extinguishing Media:** No specific recommendation. Use media to suppress surrounding fire.  
**Fire Fighting Procedures:** Wear adequate personal protective equipment. Use water to keep fire-exposed containers cool to prevent rupture. Use water spray or fog to reduce or direct vapours. Do not direct water at source of leak. Trained personnel may neutralize a spill. Contact with common metals produces hydrogen gas that may form explosive mixtures in air.

**Autoignition Temperature:** N/A  
**Upper Explosion Limit %:** N/A

### SECTION 5 - REACTIVITY DATA

**Stability:** Stable  
**Conditions to Avoid:** Avoid heat – releases irritant gases with heat.  
**Incompatibility (Materials to Avoid):** Keep away from oxidizing materials and acetaldehyde.  
**Hazardous Decomposition Products:** Irritant gases which may include unburned acetic acid and toxic constituents.

**Hazardous Polymerization:** Will not occur

## SECTION 6 - HEALTH HAZARD DATA

**Routes of Entry:** (under normal conditions of use)

Skin Contact: Minor      Eye Contact: Major      Ingestion: Minor      Inhalation: Moderate

### **EMERGENCY OVERVIEW:**

Mildly irritating liquid that will not burn skin on contact, but will severely irritate the eyes. The severity of damage depends on the duration of the exposure. In general, solutions and mists with a pH of 3 or less are a significant health concern to eyes and by inhalation. Solution is marginally stronger than a household vinegar solution, so ingestion may irritate the mouth.

### **Effects of Short-Term (Acute) Exposure:**

**Inhalation:** Vapour or mist in the 50 to 100 ppm range can cause nasal irritation, and the sensation of shortness of breath. Strong vapour concentrations may cause sore throat, coughing and difficulty breathing.

**Skin Contact:** Contact with liquid is not expected to have any adverse affect on healthy skin. Entry into cuts may cause stinging and a mild burning sensation. In persons pre-disposed to skin problems, some irritation may occur resulting in rash, or mild reddening of the surface tissue.

**Eye Contact:** Low concentrations of vapour or mist (10 - 35 ppm) can be immediately irritating and result in redness. Concentrated vapour, mist or splashed liquid can cause severe irritation, resulting in swelling of the conjunctiva. In minor contact situations, ill effects should be reversible.

**Ingestion:** Liquid may cause mild irritation of the mouth, throat and gastrointestinal tract. Ingestion is not expected to be common route of entry. Upon swallowing, a risk of aspiration is a concern. Aspiration of this product will cause risk of damage to the lungs, affecting breathing.

### **Effects of Long-Term (Chronic) Exposure:**

No adverse chronic health effects are expected. Although there have been reports of both skin and respiratory sensitization to acetic acid solutions, the data is inconclusive because those who were affected were in contact with other chemicals at the time of the acetic acid exposures. IARC has not investigated the carcinogenic properties of the ingredients in this product.

**Medical Conditions Aggravated By Exposure:** Pre-existing respiratory and skin disorders.

## SECTION 7 - FIRST AID PROCEDURES

**Inhalation:** If shortness of breath is experienced, remove source of contamination or have victim move to fresh air and obtain medical advice. If breathing has stopped, begin artificial respiration, or if the heart has stopped, begin cardiopulmonary resuscitation (CPR) immediately. Oxygen should be administered by a trained person. Ensure victim is completely at rest - allow no physical exertion. Immediately transport victim to an emergency medical facility.

**Ingestion:** Never give anything by mouth if victim is rapidly losing consciousness, or is unconscious or is convulsing. Have victim rinse mouth thoroughly with water. **Do not induce vomiting.** Have victim drink 300 mL (10 oz.) of water. If vomiting occurs naturally, have the victim lean forward to reduce risk of aspiration. Repeat administration of water. Immediately transport to emergency medical facility.

**Skin Contact:** Wear impervious protective gloves if necessary. Immediately flush contaminated areas with lukewarm, gently running water for several minutes. Wash contaminated clothing before re-use.

**Eye Contact:** Immediately flush contaminated eye(s) with lukewarm, gently running water for at least 20 minutes while holding the eyelid(s) open. Take care not to rinse contaminated water into a non-affected eye. Neutral saline solution may be used for flushing if available. If irritation occurs or persists, transport immediately to a medical facility.

**General Comments:** Provide general supportive measures (comfort, warmth, rest). Seek medical attention for all exposures except minor instances of inhalation or skin contact.

## **SECTION 8 - PREVENTIVE MEASURES**

**Respiratory Protection:** Niosh approved Dust Mask

**Eye Protection:** Safety glasses

**Skin Protection:** Chemical resistant gloves

**Other Personal Protective Equipment:** None

**Engineering Controls:** Use general or local exhaust ventilation to maintain exposure below the exposure limits.

**Storage Requirements:** N/A

**Storage Temperature:** N/A

## **SECTION 9 - ENVIRONMENTAL PROTECTION DATA**

**Spill and Leak Procedures:** Sweep or vacuum material from spill into waste container for disposal.

**Waste Disposal:** Dispose of empty container into household garbage. Dispose of waste product in accordance with Local, Provincial, or Federal government regulations.

**Environmental Effects:** None.

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**Prepared by:** Technical Department

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