

Material Safety Data Sheet

I. General Information

Identity: AllDown™ Green Chemistry Herbicide® **Date Prepared:** 3-30-04
Manufactured for: KPT, LLC dba SummerSet Products
130 Columbia Court, Chaska, MN 55318 • 952-368-3278

II. Hazardous Ingredients

Citric Acid (CAS# 77-92-9) - Acetic Acid (CAS# 64-19-7)

Chemical Formula - C₆H₈O₇ + C₂H₄O₂

For Acetic Acid: TLV - 14.1 ppm **Odor Threshold** - 1.0 ppm **STEL** - 15.00 ppm For 15 minutes

All ingredients/chemicals herein are not subject to the reporting requirements of SARA Title III, Sec. 313

III. Physical / Chemical Characteristics

Boiling Point: 242° F **Specific Gravity:** 1.03 **Density:** 8.6 lb./gal
Vapor Pressure(mmHg): 11.4 **Freezing Point:** 20° F **Vapor Density (air=1):** 2.1
Evaporation Rate: Same as water **Solubility in Water:** infinite **pH range:** 2.35 - 2.55
Appearance and Odor: Light amber colored liquid with slight odor

IV. Fire and Explosion Hazard Data

Flash Point: 40° C Closed Cup **Flammable Limits:** 4.0 - 16% **LEL** - N/A **UEL** - N/A
Extinguishing Media: Water, Foam CO₂, or Dry Chemical
Special Fire Fighting Procedure: Water may be used to dilute spills and reduce flammability
Unusual Fire and Explosion Hazards: Toxic Gases & Vapors could be released in a fire involving Acetic Acid

V. Reactivity Data

Stability: Stable

Incompatibility (Materials to Avoid): Contacts with strong oxidizers or caustics may cause spattering and heat.

Avoid contact with reactive metals, i.e. iron, zinc, or aluminum, metallic nitrates and strong oxidizers.

Hazardous Decomposition: May produce carbon monoxide (CO) and/or carbon dioxide (CO₂) **Polymerization:** Will not occur

VI. Health Hazard Data

Route(s) of Entry: Inhalation: Yes

Skin: Yes

Ingestion: Yes

Health Hazards (Acute and Chronic): Dilute solution may cause dermatitis in some sensitive individuals. May cause irritation if skin or eye contact occurs. May irritate skin, mouth, esophagus or stomach. Inhalation of mist may cause minor respiratory irritation.

Carcinogenicity: NTP IARC Monographs **OSHA Regulated** - None Known **Signs and Symptoms of Exposure:** Irritation and/or dermatitis

Medical Conditions Generally Aggravated by Exposure: None Known

Emergency and First Aid Procedures: If eye or skin contact, flush with water for at least 15 minutes, if vapors are inhaled extensively, remove to fresh air immediately. If swallowed, consume water to dilute. Do not induce vomiting. Do not give emetics or baking soda. If symptoms persist, call a physician. **NFPA Codes:** Not rated

VII. Precautions for Safe Handling and Use

Steps to Be Taken in Case Material is Released or Spilled: Dilute with water to raise pH

Waste Disposal Method: Dispose of in accordance with applicable local, state and federal regulations. Material is biodegradable in waste treatment facility.

Precautions to Be Taken in Handling and Storing: Keep from excessively hot or freezing conditions.

Other Precautions: Wash hands and garments thoroughly after use. Keep out of the reach of children.

VIII. Control Measures

Respiratory Protection: NIOSH approved respirator is recommended in areas of high concentrations.

Ventilation: Local exhaust recommended - Mechanical (general) recommended

Protective Gloves: Rubber or Neoprene Recommended **Eye Protection:** Safety Glasses Recommended

Other Protective Clothing or Equipment: Eye wash station

Other Precautions and Comments

The information in this Material Safety Data Sheet is believed to accurately reflect the scientific evidence used in making the hazard determination. It is considered only as a guide, and not a warranty or representation for which we assume legal responsibility. Independent decisions must be made on the suitability and use of this product dependent on variable storage conditions or locally applicable laws or government regulations. The buyer and user assumes all risk and liability of storage conditions or locally applicable laws or government relations. The buyer and user assume all risk and liability of storage, handling, and use of this product not in accordance with the terms of the product label.



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