

Material Safety Data Sheet
May be used to comply with
OSHA's Hazard Communication Standard,
29 CFR 1910.1200. Standard must be consulted
for specific requirements.

U.S Department of Labor
Occupational Safety and Health Administration
(Non-Mandatory Form)
Form Approved
OMB No. 1218-0072

IDENTITY (As Used on Label and List)
Bonide Stump-Out Stump & Vine Killer

ID # # 538832164

Date: May 17, 2013

Section I - Identification

Bonide Products, Inc.
6301 Sutliff Road
Oriskany, NY 13424

(800) 424-9300 (Chemtrec)
(315) 736-8231

Section II - Hazardous Ingredients/Identity

Hazardous Components (Specific Chemical Identity: Common Name(s)	OSHA PEL	ACGIH TLV	Other Limits	% (Optional)
Triclopyr CAS #057213-69-1	N/D	2mg/m ₃		8.8%

Emergency Overview: DANGER! HARMFUL IF SWALLOWED. HARMFUL IF ABSORBED THRU SKIN.
Avoid contact with skin, eyes and clothing. Avoid breathing spray mist. Corrosive. Do not get in eyes. May cause moderate irritation with temporary corneal injury Prolonged or frequent repeated skin contact may cause allergic skin reaction in some individuals.

Section III - First Aid

EYES: Hold eye open and rinse slowly and gently with water for 15 to 20 minutes. Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eyes. Call a poison control center or doctor for treatment advice.

SKIN: Remove contaminated clothing and wash with soap and water immediately and thoroughly.

INHALATION: Remove to fresh air. If breathing is difficult or if any discomfort persists, consult a physician.

INGESTION: If swallowed, call a poison control center or doctor immediately for treatment advice. Have person sip glass of water if able to swallow. Do not induce vomiting unless told to do so by a poison control center or doctor. Never give anything by mouth to an unconscious person. Do not leave victim unattended. Have the product container or label with you when calling a poison control center or doctor or going to for treatment.

NOTE TO PHYSICIAN: No specific antidote. Supportive care. Treatment based on judgment of the physician in response to reaction of the patient.

Section IV - Fire and Explosion Data

FLASHPOINT: 200° F

EXTINGUISHING MEDIA: Foam, CO₂, Dry Chemical, Water

SPECIAL FIRE FIGHTING PROCEDURES: Keep out of smoke. Toxic, irritating vapors may be formed or given off if product is involved in fire. Although product is water based, it has a flash point due to the present of small amounts of ethanol and triethylamine. Evacuate downwind residents and all areas where fire seriously threatens the product containers. Wear full protective clothing including rubber boots, neoprene gloves and self-contained breathing apparatus. Attempt to keep containers cool. Do not breathe or contact smoke or vapors. Dike water and runoff. Equipment or materials involved in pesticide fires may become contaminated. Firefighters should wear NIOSH approved self-contained breathing apparatus and full protective clothing.

NFPA: Health - 2

Flammability - 2

Reactivity- 0

Others- none

Section V- Accidental Spill/Release

SPILL OR LEAK: Isolate and post spill area. Wear prescribed protective clothing and equipment. Keep material out of streams and sewers. Do not apply directly to water, to areas where surface water is present. Do not contaminate surface or ground water by cleaning equipment or disposal of wastes, including equipment wash water. Contain and absorb spilled material with a solid absorbent such as sand, cat litter, commercial clay or other suitable absorbent. Place in an approved drum and dispose of material following the method outlined below under "Waste Disposal". To decontaminate spill area, tools and equipment, wash with a suitable solution (e.g. organic solvent, detergent, bleach or caustic) and dispose of solution following the method outlined below under "Waste Disposal".

Section VI - Exposure Controls/ Personal Protection

PROTECTIVE CLOTHING: Wear long sleeves and pants; chemical-resistant gloves and shoes.

EYE PROTECTION: Safety glasses with side shields, safety goggles or face shield

VENTILATION REQUIREMENTS: Good local ventilation is required. Mechanical exhaust may be necessary if product is applied in an enclosed area.

RESPIRATORY PROTECTION: If recommended exposure limits may be exceeded, wear a respirator for dusts/mists, NIOSH/MSHA approval number TC-21C or an organic vapor respirator with pesticide cartridge, NIOSH/MSHA approval number TC-23C.

Section VII - Handling and Storage

HANDLING: Handle and open container in a manner too prevent spillage. Store in a cool, dry place and avoid excess heat. Store in original containers only. Good hygiene should always be practiced with this or any chemical. Wash hands and other exposed skin surfaces prior to smoking, eating or drinking. Remove contaminated clothing and wash before reuse. . Do not take internally. Single exposures to vapors not likely to be hazardous. Always good practice to avoid breathing vapor or fumes. DO NOT REUSE CONTAINERS.

STORAGE: Store in original container in a locked area, inaccessible to children and pets. Keep from freezing. Do not allow cross-contamination of pesticides, fertilizers, seeds, feed or food. Store away from food, feed and potable water sources. Do not contaminate domestic water supplies or water used for irrigation.

.Section VIII - Physical/Chemical Ingredients

PHYSICAL APPEARANCE: Gold-yellow liquid

ODOR: Ammonia-like odor

BOILING POINT: 212°F

SPECIFIC GRAVITY: 1.04 to 1.06

VAPOR PRESSURE (mm Hg): 2.266 kPa /17 mm Hg at 20° C

pH: 7.5 – 8.5

MELTING POINT: NA

Section IX- Stability & Reactivity Data

STABILITY: Stable under normal conditions

HAZARDOUS POLYMERIZATION: Will not occur

INCOMPATIBILITY (Materials to Avoid): Oxidizing agents

CONDITIONS TO AVOID (INCOMPATIBILITY): Heat and fire. Thermal decomposition and burning may produce toxic by-products such as Nitrogen oxides and hydrogen chloride.

Section X - Ecological Information

Herbicide wastes are toxic. Do not contaminate water supplies with rinsate from equipment cleaning or spill clean-up. Do not apply this product when it may drift from the target area. Do not apply directly to water.

Section XI - Disposal Information

WASTE DISPOSAL: Open dumping or burning of this material is prohibited. An acceptable method of disposal is to burn in an incinerator in accordance with all local, state and federal environmental laws, rules, standards and regulations. Because acceptable methods of disposal may vary by location and because regulatory requirements may change, the appropriate regulatory agencies should be contacted prior to disposal. Steel containers which contained these materials must be crushed and disposed of in a sanitary landfill. Do not cut or weld steel containers.

.Section XII – Transportation Information

DOT PROPER SHIPPING NAME: Not Regulated (domestic surface shipment.)

FREIGHT CLASSIFICATION: Compounds, Tree or Weed killing NOI other than poison.

Section XIII – Regulatory Information

OTHER REGULATORY CLASSIFICATIONS:

SARA TITLE III- Section 302: Notification and Information – None.

SARA TITLE III; Section 313: Toxic Chemical Release Reporting – None.

CA Prop 65- This product does not contain any substances know to the State of California to cause cancer.

This product does not contain any substances known to the State of California to cause reproductive harm.

US Right to Know Ingredient: Ethyl Alcohol 000064-17-5 NJ1,NJ3,PA1

Triethylamine 00121-44-8 NJ1,NJ3,PA1, PA3

It is in violation of Federal Law to use this product in a manner inconsistent with label precautions and directions.

KEEP OUT OF REACH OF CHILDREN

ABBREVIATION KEY

N/A: NOT AVAILABLE OR APPLICABLE
TLV: THRESHOLD LIMIT VALUE
STEL: SHORT TERM EXPOSURE LIMIT
NI=Not Indicated

N/E: NOT ESTABLISHED
TWA: TIME WEIGHTED AVG./8 HOUR WORKDAY
D.O.T.: DEPARTMENT OF TRANSPORTATION

DISCLAIMER OF EXPRESSED AND IMPLIED WARRANTIES

Buyer assumes all risks of use, storage and handling of this material not in strict accordance with directions given herewith.