

# Material Safety Data Sheet

## Sta-Green Phosphorus Free Weed & Feed 28-0-4

EPA Registration No.: 2217-884-59144

**1. Basic Information:**

**Manufacturer:** Gro Tec, Inc.  
**Address:** P.O. Box 290  
**City, State Zip:** Madison, GA 30650  
**Information Contact:** Environmental, Health, & Safety Dept.  
**Emergency Contact:** Chemtrec  
**Emergency Telephone Number:** (800)424-9300



1	Health
0	Flammability
0	Reactivity
B	Pers. Protection

**Chemical State:**  Liquid  Gas  Solid  
**Chemical Type:**  Pure  Mixture

**2. Ingredients:**

Trade Secret (ND = Not Disclosed)

CAS No.	Chemical Name	% Range	EHS		IARC		SARA 313 SUB Z	OSHA PEL	ACGIH TLV	Other Limits
			NTP							
1928434	2,4-Dichlorophenoxyacetic acid, isooctyl (2-ethylhexyl) ester	1.108%	N	N	Y	N	Y	NI	NI	NI
1918009	3,6-Dichloro-o-anisic acid (Dicamba)	0.071%	N	N	N	N	Y	NI	NI	NI
16484778	R(+)-2(2-Methyl-4-chlorophenoxy) propionic acid (MCPA)	0.167%	N	N	Y	N	N	NI	NI	NI

**3. Hazardous Identification:**

**Hazard Category:**  
 Acute  Chronic  Fire  Pressure  Reactive

**Hazardous Identification Information:**  
 Granules; slight phenoxy odor.

Irritant.

The International Agency for Research on Cancer (IARC) lists chlorophenoxy herbicides in its Group 2B (limited evidence for carcinogenicity in humans.) The US EPA has given the chlorophenoxy herbicides 2,4-D, 2,4-DP, MCPA, and MCPA a Class D classification (not classifiable as to human carcinogenicity.) More current 2,4-D lifetime feeding studies in rats and mice did not show carcinogenic effects and a recent World Health Organization (WHO) review of 2,4-D toxicology has concluded that 2,4-D is not a carcinogen.

**4. First Aid Measures:**

**Route(s) of Entry:**  
 Contact, Inhalation, Ingestion.

**Health Hazards (Acute and Chronic):**  
 EYES: Contact may cause irritation.

SKIN: Contact may irritate skin.

INHALATION: May irritate respiratory tract.

INGESTION: May irritate gastrointestinal tract.

**Signs and Symptoms:**  
 NI

**Medical Conditions Generally Aggravated by Exposure:**  
 NI

First Aid Measures (Continued)

**Emergency First Aid Procedure:**

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

-If on skin or clothing:  
 -Take off contaminated clothing.  
 -Rinse skin immediately with plenty of water for 15 - 20 minutes.  
 -Call a poison control center or doctor for treatment advice.

If swallowed:  
 -Call a poison control center or doctor immediately for treatment advice.  
 -Have person sip a glass of water if able to swallow.  
 -Do not induce vomiting unless told to do so by a poison control center or doctor.  
 -Do not give anything by mouth to an unconscious person.

**Other Health Warnings:**  
 Notes to physician: Treat symptomatically. Chlorophenoxy compounds are usually excreted in approximately 72 hours.

**5. Fire Fighting Measures:**

**Flash Point:** NI **F.P. Method:**  
**Lower Explosive Limit:** NI  
**Upper Explosive Limit:** NI

**Fire Extinguishing Media:**  
 Foam, CO2, Dry chemical, water.

**Special Fire Fighting Procedures:**  
 Wear self-contained breathing apparatus and chemical-resistant gear. Run-off from fire control may contaminate surface water. If water is polluted, contact local authorities.

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## Fire Fighting Measures (Continued)

### Unusual Fire and Explosion:

Forms nitrogen oxides, sulphurous oxides and hydrogen chloride gas upon burning.

## 6. Accidental Release Measures:

### Steps to be Taken in Case Material is Released or Spilled:

Do not touch spilled material. See Section 8 for Personal Protective Equipment. Collect spilled material for reuse if possible. If other than original container is used, label new container for this product. Collect unusable material into DOT drum for disposal. Wash area with water if possible.

## 7. Handling and Storage:

### Precautions to be Taken:

Store this product in original container in a locked storage area inaccessible to children and pets. Do not store near feed, seed or food; other herbicides, fertilizers or insecticides, to prevent cross-contamination.

### Other Precautions:

NI

## 8. Exposure Controls/Personal Protection:

### Ventilation Requirements:

NI

### Personal Protective Equipment:

PROTECTIVE CLOTHING: Wear long sleeves and pants and shoes with socks.

EYE PROTECTION: Safety glasses.

RESPIRATORY PROTECTION: If exposure limits may be exceeded, wear a dust/mist filtering respirator (MSHA/NIOSH approval number prefix TC-21C), or a NIOSH approved respirator with any N, R, P or HE filter.

## 9. Physical and Chemical Properties:

Boiling Point: NI

Melting Point: NI

Evaporation Rate (Butyl Acetate = 1): NI

Vapor Pressure (mm Hg.): NI

Vapor Density (Air = 1): NI

Specific Gravity (H<sub>2</sub>O = 1): 0.00000

Solubility in Water: Insoluble.

Appearance and Odor: Granules; slight phenoxy odor.

### Other Information:

NI

## 10. Stability and Reactivity:

### Stability:

Stable.

### Incompatibility (Materials to Avoid):

None known.

### Decomposition/By-Products:

If burned, nitrogen oxides, sulfurous oxides and hydrogen chloride gas may be formed.

### Hazardous Polymerization:

Will not occur.

## 11. Toxicological Information:

## Toxicological Information (Continued)

Acute Oral Toxicity/Rat: LD50 >5,000 mg/kg.

Acute Dermal Toxicity/Rabbit: LD50 > 5,000 mg/kg.

Acute Inhalation Toxicity/Rat >2.04 mg/L

Primary Eye Irritation/Rabbit: Mild irritant

Primary Skin Irritation/Rabbit: Mild irritant.

Dermal Sensitization: Not considered to be a contact sensitizer

## 12. Ecological Information:

This product is toxic to aquatic invertebrates. Drift or runoff may adversely affect aquatic invertebrates and nontarget plants. Do not apply directly to water. Do not contaminate water when disposing of equipment washwater.

When cleaning equipment, do not pour the washwater on the ground; spray or drain over a large area away from wells and other water sources.

## 13. Disposal Considerations:

PESTICIDE STORAGE: Store in original container and keep any bags containing unused product in a locked storage area inaccessible to children and domestic animals.

### CONTAINER DISPOSAL:

If Empty: Do not reuse this container. Place in trash or offer for recycling if available.

If partially filled: Call your local solid waste agency or toll free number (1-800-CLEANUP) for disposal instructions. Never place unused product down any indoor or outdoor drain.

## 14. Transport Information:

The following guidelines apply for domestic ground transport. If shipping by air or ocean, please contact our Transportation Dept.

Freight Class: Herbicides, NOI - NMFC #50320

In our current available sizes, this product does not qualify as a Hazardous Material.

## 15. Regulatory Information:

OSHA STATUS: This product is hazardous under the criteria of the Federal OSHA Hazard Communication Standard 29 CFR 1910.1200.

TSCA STATUS: This product is exempt from TSCA Regulation under FIFRA Section 3(2)(B)(ii) when used as a pesticide.

CERCLA REPORTABLE QUANTITY: 9025 pounds of the formulation which contains 100 pounds of 2,4-D 2-ethylhexyl ester

### SARA TITLE III:

SECTION 302 EXTREMELY HAZARDOUS SUBSTANCES: None  
SECTION 311/312 HAZARD CATEGORIES: Immediate Health Hazard, Delayed Health Hazard

SECTION 313 TOXIC CHEMICALS: 2,4-D 2-EHE CAS# 1928-43-4, Dicamba CAS# 1918-00-9

RCRA STATUS: When discarded in its purchased form, this product is a listed RCRA hazardous waste and should be managed as a hazardous waste. (40 CFR Part 261.20-24)

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**16. Other Information:**

NOTE: NI means not indicated.

The information and statements in this Material Safety Data Sheet are believed to accurately reflect the scientific evidence used in making the hazard determination, but is not to be construed as a warranty or representation for which we assume legal responsibility. Additional information may be necessary or desirable depending on particular, exceptional or variable conditions or circumstances of use or storage, or because of locally applicable laws or government regulations. Therefore, you should use this information only as a supplement to other information available to you and must make independent determinations of the suitability of the information for your particular circumstances or conditions and of the completeness of the information available from all sources to assure both the proper use of the material described herein and the safety and health of employees.