Material Safety Data Sheet

Product Name: Gordon's TRIMEC Plus

MSDS No.: 700-6
Version No.: 019
EPA Registration No.: 2217-709

1. Basic Information:

Manufacturer: PBI/Gordon Corporation
Address: 1217 West 12th Street
City, State Zip: Kansas City, MO 64101-1407
Information Contact: Environmental, Health, & Safety Dept.
Information Telephone Number: (816)421-4070
Emergency Contact: Chemtrec
Emergency Telephone Number: (800)424-9300
Last Update: 10/9/2001
Chemical State: Liquid
Chemical Type: Mixture

2. Ingredients:

□ Trade Secret (ND = Not Disclosed)

<table>
<thead>
<tr>
<th>CAS No.</th>
<th>Chemical Name</th>
<th>% Range</th>
<th>EHS</th>
<th>NTP</th>
<th>IARC</th>
<th>SARA 313</th>
<th>OSHA PEL</th>
<th>ACGIH TLV</th>
<th>Other Limits</th>
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</thead>
<tbody>
<tr>
<td>2008391</td>
<td>Dimethylamine Salt of 2,4-dichlorophenoxyacetic acid (2,4-D)</td>
<td>5.83</td>
<td>N</td>
<td>N</td>
<td>Y</td>
<td>N</td>
<td>N</td>
<td>NI</td>
<td>NI</td>
</tr>
<tr>
<td>2300665</td>
<td>Dimethylamine Salt of 3,6-dichloro-o-anisic acid (Dicamba)</td>
<td>1.46</td>
<td>N</td>
<td>N</td>
<td>N</td>
<td>N</td>
<td>Y</td>
<td>NI</td>
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<tr>
<td>66423094</td>
<td>Dimethylamine Salt of R(+)-(2-Methyl-4-chlorophenoxy) propionic acid (MCP)</td>
<td>2.93</td>
<td>N</td>
<td>N</td>
<td>Y</td>
<td>N</td>
<td>N</td>
<td>NI</td>
<td>NI</td>
</tr>
<tr>
<td>2163806</td>
<td>Monosodium Methanearsonic acid (MSMA)</td>
<td>18.00</td>
<td>N</td>
<td>N</td>
<td>N</td>
<td>Y</td>
<td>N</td>
<td>.5mg/m3</td>
<td>NI</td>
</tr>
</tbody>
</table>

3. Hazardous Identification:

Hazard Category: X Acute  X Chronic  □ Fire  □ Pressure  □ Reactive

Hazardous Identification Information:
The PEL is in milligrams of arsenic per cubic meter.
Solid in liquid suspension; amine odor.
May be absorbed through the skin. Causes substantial but temporary eye injury. Inhalation may cause a burning sensation. Swallowing may cause vomiting, with pain in the chest and abdomen, and diarrhea. Skin sensitization may occur after repeated exposure.

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, MCP, 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: Skin contact, Inhalation, Ingestion.

Health Hazards (Acute and Chronic):
EYES: Causes substantial but temporary eye injury.
SKIN: Moderately irritating to the skin; may be absorbed through the skin.

First Aid Measures (Continued)

INHALATION: Moderately irritating to the mucous membranes. Inhalation of sprays may cause burning sensations in the respiratory tract, resulting in coughing.

INGESTION: May cause vomiting, with pain in the chest and abdomen, and diarrhea.

CHRONIC EFFECTS: Repeated or prolonged overexposure may affect the liver, kidneys, blood, gastrointestinal and muscular systems. Skin sensitization may occur after repeated overexposure.

Signs and Symptoms:
Inhalation may cause burning in the chest, with coughing. Prolonged inhalation sometimes causes dizziness. Ingestion usually leads to vomiting. Pain in the chest and abdomen, and diarrhea may follow. Headache, mental confusion, and bizarre behavior are early manifestations of severe poisoning, which may progress to unconsciousness.

Medical Conditions Generally Aggravated by Exposure:
Individuals with chronic skin disease or known sensitivity to chlorophenoxy compounds should either avoid using them or take strict precautions to avoid contact. (respirator, gloves, etc.)

Emergency First Aid Procedure:
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 by a poison control center or doctor.

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,
First Aid Measures (Continued)

If on skin:
- 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 inhaled:
- Move person to fresh air.
- If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably mouth-to-mouth if possible.
- Call a poison control center or doctor for treatment advice.

Other Health Warnings:
Have the product container or label with you when calling a poison control center or doctor or going for treatment.

Other Information:
Appearance and Odor:
Suspension; amine odor
Solubility in Water:
Infinite

Ventilation Requirements:
Good local ventilation is recommended; mechanical ventilation may be used if exposure limits may be exceeded.

Personal Protective Equipment:
Applicators and other handlers must wear:
- Long-sleeved shirt and long pants
- Chemical-resistant gloves category A (such as nitrile or butyl)
- Shoes plus socks
- Protective eyewear
- Chemical-resistant apron when cleaning equipment, mixing or loading.

For exposures in enclosed areas:
- A respirator with an organic vapor-removing cartridge with a prefilter approved for pesticides (MSHA/NIOSH approval number prefix TC-23C) or a canister approved for pesticides (MSHA/NIOSH number prefix TC-14G), or a NIOSH approved respirator with an organic vapor (OV) cartridge or canister with any N, R, P or HE prefilter.

Discard clothing and other absorbent materials that have been drenched or heavily contaminated with this product’s concentrate. Do not reuse them.

Follow manufacturer’s instructions for cleaning/maintaining PPE. If no such instructions for washables, use detergent and hot water. Keep and wash PPE separately from other laundry.

8. Exposure Controls/Personal Protection:

Hazardous Polymerization:
Will not occur.

Decomposition/By-Products:
May produce gases such as HCl, organo chlorides, nitrogen oxides, and carbon monoxide when burning. MSMA, in the presence of many metals, can react with nascent hydrogen to form arsine gas.

Hazardous Polymerization:
Will not occur.

11. Toxicological Information:

Acute Oral Toxicity LD50: 6700 mg/kg -- EPA Category IV
Acute Dermal Toxicity LD50: >2400 mg/kg -- EPA Category III
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**Toxicological Information (Continued):**

Acute Inhalation Toxicity LC50: 3.3 mg/L -- EPA Category IV
Primary Eye Irritation: Moderate Irritant -- EPA Category III
Primary Dermal Irritation: Moderate Irritant -- EPA Category III
Dermal Sensitization: Not a sensitizer.

**12. Ecological Information:**

ENVIRONMENTAL HAZARDS:
This product is toxic to aquatic invertebrates. Drift or runoff may adversely affect aquatic invertebrates and non-target plants. Do not apply directly to water, or to areas where surface water is present, or to intersitial areas below the mean high water mark. 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. Do not apply when weather conditions favor drift from treated area. Do not contaminate water used for domestic consumption, or by wildlife or aquatic life, or for irrigation purposes.

Most cases of groundwater contamination involving phenoxy herbicides such as 2,4-D and MCPP have been associated with mixing/loading and disposal sites. Caution should be exercised when handling 2,4-D and MCPP pesticides at such sites to prevent contamination of groundwater supplies. Use of closed systems for mixing or transferring this pesticide will reduce the probability of spills. Placement of the mixing/loading equipment on an impervious pad to contain spills will help prevent groundwater contamination.

**13. Disposal Considerations:**

PESTICIDE DISPOSAL: Pesticide wastes are toxic. Improper disposal of excess pesticide, spray mixture, or rinseate is a violation of Federal law and may contaminate groundwater. If these wastes cannot be disposed of by use according to label instructions, contact your state Pesticide or Environmental Control Agency or the Hazardous Waste representative at the nearest EPA Regional Office for guidance.

CONTAINER DISPOSAL: Triple rinse (or equivalent). Then offer for recycling or reconditioning, or puncture and dispose of in a sanitary landfill, or incineration, or if allowed by state and local authorities by burning. If burned stay out of smoke.

**14. Transport Information:**

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

Freight Class: Herbicides, NOI - NMFC Class #50320

Proper Shipping Name:
For package sizes less than 206.61 gallons: product is non-regulated.
For package sizes 206.61 gallons or greater: Environmentally Hazardous Substances, Liquid, N.O.S., 9, UN3082, PGIII, RQ (2,4-D)

If shipped in bulk containers (greater than 119 gallons), this product is a Marine Pollutant.

When shipped as a Hazardous Material, label required is Class 9 (Miscellaneous). Placards required on bulk shipments only.

**15. Regulatory Information:**

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

**16. Other Information:**

REASON FOR ISSUE: To revise sections VIII. and XI.

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.