Material Safety Data Sheet

Product Name: Gordon’s TRIMEC Broadleaf Herbicide Bentgrass Formula

MSDS No.: 840-6  Version No.: 014  EPA Registration No.: 2217-529

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: 10/3/2001
Chemical State: Liquid
Chemical Type: Mixture

2. Ingredients:

<table>
<thead>
<tr>
<th>CAS No.</th>
<th>Chemical Name</th>
<th>% Range</th>
<th>EHS</th>
<th>IARC</th>
<th>SARA 313</th>
<th>OSHA PEL</th>
<th>ACGIH</th>
<th>Other Limits</th>
</tr>
</thead>
<tbody>
<tr>
<td>2008391</td>
<td>Dimethylamine Salt of 2,4-dichlorophenoxyacetic acid (2,4-D)</td>
<td>6.12</td>
<td>N</td>
<td>N</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>2.53</td>
<td>N</td>
<td>N</td>
<td>N</td>
<td>Y</td>
<td>NI</td>
<td>NI</td>
</tr>
<tr>
<td>66423094</td>
<td>Dimethylamine Salt of R(+)-2-(2-Methyl-4-chlorophenoxy) propionic acid (MCPP)</td>
<td>9.92%</td>
<td>N</td>
<td>N</td>
<td>N</td>
<td>N</td>
<td>NI</td>
<td>NI</td>
</tr>
</tbody>
</table>

Hazard Catagory: Acute  Chronic  Fire  Pressure  Reactive

Hazardous Identification Information:
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, MCPP, 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.

3. Hazardous Identification:

Hazard Catagory: Acute  Chronic  Fire  Pressure  Reactive

Medical Conditions Generally Aggravated by Exposure: NI

Emergency First Aid Procedure:
EYES: Flush contaminating chemicals from eyes with large amounts of clean water for 10-15 minutes, holding lids open. If irritation persists, seek medical attention.
SKIN: Remove contaminated clothing. Bathe and shampoo with soap and water to remove chemicals from skin and hair. If irritation persists, seek medical attention. Launder contaminated clothing separately prior to reuse; discard contaminated shoes.
INHALATION: Remove victim to fresh air. Administer artificial respiration if necessary. Call a physician. Two-day removal from exposure may be indicated for instances of severe overexposure by inhalation.
INGESTION: Call a physician or Poison Control Center immediately.
Other Health Warnings: NI

4. First Aid Measures:

Route(s) of Entry: Contact, inhalation, ingestion.

Health Hazards (Acute and Chronic):
EYES: May be moderately irritating; with burning.
SKIN: May cause moderate dermal irritation.
INHALATION: May cause moderate respiratory irritation; burning.
INGESTION: May irritate gastrointestinal tract.
CHRONIC: Repeated and/or prolonged overexposure may cause chronic irritation of respiratory tract. Overexposure may cause adverse effects to liver, kidneys, skin, muscular and gastrointestinal systems.

Signs and Symptoms:
Burning sensation; coughing; dizziness.

First Aid Measures (Continued)

5. Fire Fighting Measures:

Flash Point: 129°F  F.P. Method:
Lower Explosive Limit: NI
Upper Explosive Limit: NI

Fire Extinguishing Media:
Foam, CO2. Dry chemical. Water. The low flash point of this product is due to a minor component in the mixture. Based on independent laboratory testing of similar products, this product would not sustain combustion as specified in DOT Regulation 49 CFR 173 Appendix H, and, therefore, would not be classified as a combustible liquid.
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Physical and Chemical Properties (Continued)

Density: 8.73 pounds/gallon
Freezing point: <35°F
Percent volatile by volume: 65%

10. Stability and Reactivity:

Stability:
Stable.

Incompatibility (Materials to Avoid):
Acidic materials may ruin product.

Decomposition/By-Products:
In fire conditions, CO, CO2, NOx may be produced. In oxygen-starved conditions of burning, HCl, nitriles, and nitrosamines may form.

Hazardous Polymerization:
Will not occur.

11. Toxicological Information:

EYES: May be moderately irritating; with burning.

SKIN: May cause moderate dermal irritation.

INHALATION: May cause moderate respiratory irritation; burning.

INGESTION: May irritate gastrointestinal tract.

CHRONIC: Repeated and/or prolonged overexposure may cause chronic irritation of respiratory tract. Overexposure may cause adverse effects to liver, kidneys, skin, muscular and gastrointestinal systems.

12. Ecological Information:

ENVIRONMENTAL HAZARDS:
This product is toxic to aquatic invertebrates. Drift or runoff may adversely affect aquatic invertebrates and nontarget plants. For terrestrial uses, do not apply directly to water, or to areas where surface water is present, or to intertidal areas below the mean high water mark. Do not contaminate water when disposing of equipment washwater. Do not apply when weather conditions favor drift from target area.

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.

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 rinsate 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.
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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 221.24 gallons: product is non-regulated.
- For package sizes 221.24 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.

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

CERCLA REPORTABLE QUANTITY: 1634 pounds of the formulation which contains 100 pounds of Dimethylamine 2,4-D

SARA TITLE III:
- SECTION 302 EXTREMELY HAZARDOUS SUBSTANCES: None
- SECTION 311/312 HAZARD CATEGORIES: Immediate Health Hazard, Delayed Health Hazard
- SECTION 313 TOXIC CHEMICALS: Dimethylamine dicamba CAS# 2300-66-5

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 261.20-24)

16. Other Information:

REASON FOR ISSUE: To change from racemic MCPP to the plus optical isomer.

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.