

Material Safety Data Sheet

Product Name: Preen Lawn Weed Killer RTU

MSDS No.: 864-1

Version No.: 001

EPA Registration No.: 2217-585-961

1. Basic Information:

Manufacturer: Lebanon Seaboard Corporation
 Address: 1600 East Cumberland Street
 City, State Zip: Lebanon, PA 17042

Information Contact:
 Information Telephone Number: 800-532-0090
 Emergency Contact: Prosar
 Emergency Telephone Number: 888-208-1368

Last Update: 8/6/2004

Chemical State: Liquid Gas Solid
 Chemical Type: Pure Mixture



1	Health
1	Flammability
0	Reactivity
B	Pers. Protection

2. Ingredients:

Trade Secret (ND = Not Disclosed)

CAS No.	Chemical Name	% Range	EHS		IARC		SARA 313		OSHA PEL	ACGIH TLV	Other Limits
			NTP		SUB Z						
2008391	Dimethylamine Salt of 2,4-dichlorophenoxyacetic acid (2,4-D)	0.311%	N	N	Y	N	N	NI	NI	NI	
2300665	Dimethylamine Salt of 3,6-dichloro-o-anisic acid (Dicamba)	0.034%	N	N	N	N	Y	NI	NI	NI	
66423094	Dimethylamine Salt of R(+)-2-(2-Methyl-4-chlorophenoxy) propionic acid (MCP)	0.075%	N	N	Y	N	N	NI	NI	NI	

3. Hazardous Identification:

Hazard Category:

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, MCP, and MCPA a Class D classification (not classifiable as to human carcinogenicity.) More recent 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 and burning.

SKIN: May cause moderate dermal irritation.

INHALATION: May cause respiratory irritation.

INGESTION: May irritate gastrointestinal tract.

CHRONIC: Repeated and prolonged overexposure may cause chronic irritation of respiratory tract.

Signs and Symptoms:

Burning sensation; coughing.

Medical Conditions Generally Aggravated by Exposure:

NI

First Aid Measures (Continued)

Emergency First Aid Procedure:

IF ON SKIN: Wash with plenty of soap and water. Get medical attention if irritation persists.

IF IN EYES: Flush eyes with plenty of water. Get medical attention.

Other Health Warnings:

NI

5. Fire Fighting Measures:

Flash Point: 122°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.

Special Fire Fighting Procedures:

None

Unusual Fire and Explosion:

NI

6. Accidental Release Measures:

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

See Section 8 for Personal Protective Equipment. Contain spill and collect for reuse or absorb onto inert absorbent such as Dri-Rite, sand or pet litter. Flush area with water if possible.

Material Safety Data Sheet

Product Name: Preen Lawn Weed Killer RTU

MSDS No.: 864-1

Version No.: 001

EPA Registration No.: 2217-585-961

7. Handling and Storage:

Precautions to be Taken:

Store in original container in a locked storage area inaccessible to children and pets.

Other Precautions:

NI

8. Exposure Controls/Personal Protection:

Ventilation Requirements:

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

Personal Protective Equipment:

CAUTION: Harmful if swallowed. Avoid contact with eyes, skin or clothing. Wear goggles when applying this product. When using this product, wear long-sleeved shirt, long pants, socks, shoes and rubber gloves.

After using this product, rinse gloves before removing, remove clothing and launder separately before reuse, and promptly and thoroughly wash hands and exposed skin with soap and water. Remove saturated clothing as soon as possible and shower.

PROTECTIVE CLOTHING: Wear long sleeved shirt, long pants, socks, shoes, and chemical resistant gloves.

EYE PROTECTION: Safety glasses or goggles are recommended.

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: 212°F

Melting Point: NI

Evaporation Rate (Butyl Acetate = 1) : NI

Vapor Pressure (mm Hg.): <17@20°C

Vapor Density (Air = 1): >1

Specific Gravity (H2O = 1): 1.00156

Solubility in Water: Soluble.

Appearance and Odor: Brown liquid; amine odor.

Other Information:

pH: 7.0-8.5

Density: 8.35 pounds/gallon

Freezing point: <35°F

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.

Hazardous Polymerization:

Will not occur.

11. Toxicological Information:

Acute Dermal LD50: >2000 mg/kg.

Acute Inhalation LC50: >2 mg/l.

Toxicological Information (Continued)

Acute Oral LD50: 8000 mg/kg (male rats) and 10,000 mg/kg (female rats).

CHRONIC: Repeated and prolonged overexposure may cause chronic irritation of respiratory tract.

12. Ecological Information:

ENVIRONMENTAL HAZARDS:

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.

13. Disposal Considerations:

PESTICIDE DISPOSAL: Securely wrap container in several layers of newspapers and discard in trash.

CONTAINER DISPOSAL: Do not reuse container. Rinse thoroughly before discarding in trash.

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: 32154 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 Part 261.20-24)

16. Other Information:

REASON FOR ISSUE: New MSDS in the ANSI Z400.1-1998 format.

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,

Material Safety Data Sheet

Product Name: Preen Lawn Weed Killer RTU

MSDS No.: 864-1

Version No.: 001

EPA Registration No.: 2217-585-961

Other Information (Continued)

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.