



MATERIAL SAFETY DATA SHEET

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1. PRODUCT AND COMPANY IDENTIFICATION

Product name: Scotts® Liquid Turf Builder® with Plus 2® Weed Control, 25-1-2
Description: Fertilizer plus Herbicide

Company
The Scotts Company
14111 Scottslawn Road
Marysville, OH 43041

24-HOUR EMERGENCY TELEPHONE NUMBERS:

CHEMTREC (U.S.): 1-800-424-9300
CHEMTREC (International): 1-703-527-3887
Non-Emergency Calls: 1-937-644-0011

EPA Registration No.: 239-2640-538

Formula No.: S11832

2. HAZARDS IDENTIFICATION

Labelling

Signal word:

CAUTION.

Precautionary Statement

May be absorbed through the skin in harmful amounts. Causes eye irritation. Harmful if swallowed. Avoid contact with eyes, skin, and clothing. Keep out of reach of children.

Potential health effects

Eye contact:

Contact with eyes may cause irritation.

Skin contact:

Irritation possible.

Ingestion:

Possible gastrointestinal tract irritation.

Inhalation:

May irritate respiratory tract tissues.

Aggravated Medical Conditions:

Inhalation may aggravate asthma. Pre-existing dermatitis or sores.

Principle routes of exposure:

Skin, Eyes, Inhalation

3. COMPOSITION/INFORMATION ON INGREDIENTS

Components	CAS-No	Weight %
Diclorporop, Dimethylamine Salt	120-36-5	1.13
Mecoprop-p, Dimethylamine Salt	66423-09-4	1.15
Inert Ingredients	PROPRIETARY	95.43
2,4-Dichlorophenoxyacetic acid (2,4-D)	94-75-7	2.29

4. FIRST AID MEASURES

Eye contact:

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

Skin contact:

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.

Ingestion:

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.

Inhalation:

Move 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 further treatment advice.

5. FIRE-FIGHTING MEASURES

Flammable properties:

Aqueous solution.

Suitable extinguishing media:

Dry chemical. Water spray mist or foam. Carbon dioxide (CO2).

Explosion potential:

Unlikely.

Hazardous combustion products:

Toxic fumes may be produced.

Fire fighting procedures:

Select appropriate method to surround and extinguish fire

Special protective equipment for firefighters:

In the event of fire, wear self-contained breathing apparatus

6. ACCIDENTAL RELEASE MEASURES

Personal precautions:	Read label. Use personal protective equipment.
Environmental precautions:	Read label. Prevent product from entering drains. Do not contaminate surface water.
Methods for containment:	Control spill with dykes and absorb with inert absorbant material
Methods for cleaning up:	If material is contaminated, put in appropriate container and dispose. If material is uncontaminated, collect and reuse as recommended for product.

7. HANDLING AND STORAGE

Handling: Read label. Wear chemical resistant gloves, long pant, and long-sleeved shirt when applying. Avoid container breakage.

Storage: Read label. Store in original container in a safe place. Protect from freezing.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Components	ACGIH:	OSHA:
Mecoprop-p, Dimethylamine Salt	Not Listed	Not Listed
Diclorporop, Dimethylamine Salt	Not Listed	Not Listed
2,4-Dichlorophenoxyacetic acid (2,4-D)	10 mg/m ³ TWA	10 mg/m ³ TWA

Engineering controls Use adequate ventilation to keep the airborne concentrations of this material below the recommended exposure standard

Personal Protective Equipment

Eye/face protection:	Eye/face protection is not required, but is recommended in manufacturing situations where contact may occur. Safety glasses with side shields or goggles.
Skin and body protection:	Wear suitable protective clothing if contact is anticipated during manufacturing. Wear long-sleeve shirt, pants, shoes with socks, and gloves. If skin irritation occurs, use natural rubber gloves, durable cloth or impervious rubber gloves if contact with product is possible.
Respiratory protection:	If airborne levels are high or product does not remain intact, use a combination of engineering controls (e.g. ventilation) and personal protection (e.g. NIOSH/MSHA approved respirator for dusts, mists, and fumes).

General hygiene considerations: Wash hands before breaks and immediately after handling the product.
Re-entry Interval: When dry.

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical State:	Liquid	Color:	Colourless
Odor:	Phenoxy	pH:	9.2 - 9.5
Solubility:	Completely soluble	Specific gravity:	1.26
Flash point:	No information available		

10. STABILITY AND REACTIVITY

Chemically Stable:	Yes
Conditions to avoid:	Do not freeze.
Materials to avoid:	Strong acids, bases, oxidizers, and reducing agents.
Hazardous decomposition products:	Toxic fumes and gases may be generated.
Possibility of hazardous reactions:	Poses little or no immediate hazard.

11. TOXICOLOGICAL INFORMATION

Acute toxicity

LD50/oral: >5,000 mg/kg, rat
LD50/dermal: >2000 mg/kg, rabbit
LC50/inhalation: >4.0 mg/m³, (vapor), rat
Eye effects: Mild eye irritation, rabbit
Skin effects: Mild skin irritation, rabbit

Sensitization: No sensitization, guinea pig

Chronic toxicity**Carcinogenic effects:**

The table below indicates whether each agency has listed any ingredient as a carcinogen.

Components	NTP:	IARC:	OSHA:
Mecoprop-p, Dimethylamine Salt	Not listed	Not listed	Not listed
Diclorporop, Dimethylamine Salt	Not listed	Not listed	Not listed
2,4-Dichlorophenoxyacetic acid (2,4-D)	Not listed	Not listed	Not listed

Ingestion:

Ingestion may cause gastrointestinal irritation, nausea, vomiting and diarrhea .

Inhalation:

May cause irritation of respiratory tract.

12. ECOLOGICAL INFORMATION**Ecotoxicity effects:**

Toxic to aquatic organisms.

Persistence and degradability:

Inherently biodegradable.

Bioaccumulative potential:

Does not bioaccumulate.

Mobility:

Water contaminating.

Aquatic toxicity:

Toxic to aquatic organisms.

Additional ecological information:

Do not contaminate water by cleaning of equipment or disposal of wastes.

13. DISPOSAL CONSIDERATIONS**Waste Disposal Methods:**

If empty, do not reuse container. If partially filled, call the local solid waste agency or 1-800-CLEANUP for disposal instructions. Do not place product down any indoor or outdoor drain.

14. TRANSPORT INFORMATION

The description shown may not apply to all situations. Consult 49 CFR, or appropriate dangerous goods regulations for additional description requirements (e.g. technical name) and mode-specific or quantity-specific shipping requirements.

DOT**Proper shipping name:**

Not regulated

Other Shipping Information:

DOT Shipping Description: Environmentally hazardous substance, liquid, n.o.s., 9, UN3082, III, RQ (2,4-D salt) when transported by bulk in quantities equal to or greater than 545 gal. (4367 lbs.)..

15. REGULATORY INFORMATION

Components	CAS-No	CERCLA/SARA 313	CERCLA/SARA 302
Mecoprop-p, Dimethylamine Salt	66423-09-4	Not Listed	Not Listed
Diclorporop, Dimethylamine Salt	120-36-5	Not Listed	Not Listed
2,4-Dichlorophenoxyacetic acid (2,4-D)	94-75-7	100 lb final RQ 45.4 kg final RQ	Not Listed

General Information

Contact local authorities for disposal of large quantities of product.

16. OTHER INFORMATION

NFPA: Health: 2 Flammability: 1 Reactivity: 0

HMIS: Health: 2 Flammability: 1 Reactivity: 0

Hazard Rating: 0=Least; 1=Slight; 2=Moderate; 3=High; 4=Severe

EPA FIFRA Comment: It is a violation of Federal law to use this product in a manner inconsistent with its labeling.

General comment: This document contains health, safety, and environmental information useful to emergency response agencies, health care providers, manufacturers, and workers/employees. It does not replace the precautionary language, use directions, or the storage and disposal information found on the product label.

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