

MATERIAL SAFETY DATA SHEET

TURF TRAX® GREEN

FOR CHEMICAL EMERGENCY, SPILL, LEAK, FIRE, EXPOSURE OR ACCIDENT, CALL CHEMTREC - DAY OR NIGHT 1-800-424-9300

1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

MANUFACTURED FOR:

LOVELAND PRODUCTS, INC.
P.O. Box 1286 • Greeley, CO 80632-1286

24-Hour Emergency Phone: 1-800-424-9300

Medical Emergencies: 1-866-944-8565

U.S. Coast Guard National Response Center: 1-800-424-8802

PRODUCT NAME: TURF TRAX® GREEN SPRAY INDICATOR FOR TURF

CHEMICAL NAME: Mixture

CHEMICAL FAMILY: Mixture

EPA REG. NO.: not applicable

MSDS Number: 8201330-10-LPI

MSDS Revisions: Section 1

Date of Issue: 07/21/10

Supersedes: 07/24/07

2. HAZARDS IDENTIFICATION SUMMARY

KEEP OUT OF REACH OF CHILDREN - CAUTION – May cause temporary eye and skin irritation. In case of contact, flush with large amounts of water. If irritation persists, get medical attention. In case of skin contact, flush with water. Prolonged inhalation may lead to respiratory tract irritation. Prolonged or repeated contact with eyes or skin may result in irritation. Exposure to unprotected skin areas may cause temporary staining. May provoke asthmatic response in persons with asthma who are sensitive to airway irritants. Ingestion of large quantities may be harmful.

This product is green liquid with slight odor.

3. COMPOSITION, INFORMATION ON INGREDIENTS

<u>Chemical Ingredients:</u>	<u>Percentage by Weight:</u>	<u>CAS No.</u>	<u>TLV (Units)</u>
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Contains no reportable quantities of hazardous ingredients

4. FIRST AID MEASURES

If in swallowed:	Have person drink large amounts of water and induce vomiting. Do not give anything by mouth to an unconscious person.
If in eyes:	Flush with large amounts of water of water. If irritation persists, get medical attention.
If on skin:	Flush with water.
If inhaled:	Remove person to fresh air, get medical attention if irritation persists.

5. FIRE FIGHTING MEASURES

FLASH POINT (°F/Test Method):	>200°F/>93.3°C (TCC)
FLAMMABLE LIMITS (LFL & UFL):	Not established
EXTINGUISHING MEDIA:	Dry chemical or carbon dioxide (CO ₂), alcohol foam, foam or water spray/fog.
HAZARDOUS COMBUSTION PRODUCTS:	May emit noxious fumes including, but not limited to, oxides of carbon, oxides of nitrogen, acetic acid, free aromatic amines, or other toxic compounds in a fire situation.
SPECIAL FIRE FIGHTING PROCEDURES:	Wear self-contained breathing apparatus and full protective gear.
UNUSUAL FIRE AND EXPLOSION HAZARDS:	Use water spray to cool containers.

6. ACCIDENTAL RELEASE MEASURES

STEPS TO BE TAKEN IF MATERIAL IS RELEASED OR SPILLED:

Control and contain the leak or spill. Pick up the material with absorbent and place in a container for proper disposal in accordance with local, state and federal regulations.

ENVIRONMENTAL PRECAUTIONS: Keep spills and cleaning runoff out of municipal sewers and open bodies of water.

7. HANDLING AND STORAGE

HANDLING:	Keep out of reach of children. Avoid unnecessary skin contact. Do not breathe fumes. Wash thoroughly after handling.
STORAGE:	Store in original container only. Keep container tightly closed. Do not allow product to freeze. Do not store near heat or open flame. Do not contaminate water, food or feed by storage or disposal.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

ENGINEERING CONTROLS:	Work in well-ventilated area. Local exhaust may be required if working in confined spaces.
RESPIRATORY PROTECTION:	If excessive vapors or mists are generated, wear a NIOSH/MSHA approved organic vapor/mist respirator.
EYE PROTECTION:	Chemical goggles or safety glasses or a face shield if a splash hazard exists. An emergency eyewash station should be available.
SKIN PROTECTION:	Wear protective clothing: coveralls, apron, boots and gloves. A safety shower should be available.

For product

OSHA PEL 8 hr TWA
not listed

ACGIH TLV-TWA
not listed

9. PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE AND ODOR: Green liquid with slight odor.**SPECIFIC GRAVITY (Water = 1):** ±1.1 g/ml**VAPOR PRESSURE:** Not applicable**PERCENT VOLATILE (by volume):** Not established**Note:** These physical data are typical values based on material tested but may vary from sample to sample.

Typical values should not be construed as a guaranteed analysis of any specific lot or as specification items.

BULK DENSITY: ±9.18 lbs/gal.**BOILING POINT:** Not established**EVAPORATION RATE:** Slower than ether**SOLUBILITY:** Soluble**pH:** 7.74-9.74 (neat)

10. STABILITY AND REACTIVITY

STABILITY: Stable**CONDITIONS TO AVOID:** Extremes in temperature and high humidity.**INCOMPATIBILITY:** Long term storage in direct contact with reactive metals such as aluminum, zinc, copper, nickel, magnesium, etc., strong reducing agents and strong oxidizing agents.**HAZARDOUS DECOMPOSITION PRODUCTS:** May emit noxious fumes including, but not limited to, oxides of carbon, oxides of nitrogen, acetic acid, or other toxic compounds in a fire situation.**HAZARDOUS POLYMERIZATION:** Will not occur.

11. TOXICOLOGICAL INFORMATION

Acute Oral LD₅₀ (rat): Not established**Eye Irritation (rabbit):** Irritation may occur**Inhalation LC₅₀ (rat):** Not established.**Carcinogenic Potential:** Not listed by OSHA, NTP, IARC, or ACGIH as a known human carcinogen**Acute Dermal LD₅₀ (rat):** Not established**Skin Irritation (rabbit):** Irritation will occur on prolonged contact.**Skin Sensitization (guinea pig):** Not established.

12. ECOLOGICAL INFORMATION

Keep spills and cleaning runoff out of municipal sewers and open bodies of water.

13. DISPOSAL CONSIDERATIONS

Do not reuse container. Triple rinse (or equivalent) and add rinsate to spray tank, then offer for recycling at an ACRC site or by 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. Do not contaminate water sources by runoff from cleaning of equipment, disposal of equipment wash waters, or spray waste. Do not contaminate water, food or feed by storage or disposal.

14. TRANSPORT INFORMATION

DOT Shipping Description: NOT REGULATED BY USDOT.**Freight Classification:** ADHESIVES, ADJUVANTS, SPREADERS OR STICKERS (NMFC 4610; CLASS: 60)**Consult appropriate ICAO/IATA and IMDG regulations for shipment requirements in the Air and Maritime shipping modes.**

15. REGULATORY INFORMATION

NFPA & HMIS Hazard Ratings:

NFPA

HMIS

1 Health

0 Least

1 Health

1 Flammability

1 Slight

1 Flammability

0 Instability

2 Moderate

0 Reactivity

3 High

X PPE

4 Severe

SARA Hazard Notification/Reporting**SARA Title III Hazard Category:**

Immediate

N

Fire

N

Sudden Release of Pressure

N

Delayed

N

Reactive

N**Reportable Quantity (RQ) under U.S. CERCLA:** Not listed**SARA, Title III, Section 313:** Not listed**RCRA Waste Code:** Not listed**CA Proposition 65:** Not listed

16. OTHER INFORMATION

MSDS STATUS: Section 1 revised**PREPARED BY:** Registrations and Regulatory Affairs**REVIEWED BY:** Environmental/Regulatory Services

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