

SAFETY DATA SHEET

An Employee-Owned Company

Issue Date 10-Apr-2015 Revision Date 17-Aug-2017 Version 3

1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND OF THE COMPANY/UNDERTAKING

Product identifier

Product Name Trimec® SOUTHERN LAWN WEED KILLER CONCENTRATE

Other means of identification

Product Code PBI FP 895160
EPA Pesticide Registration Number 2217-820
Product Size 1 U. S. Qt.

Recommended use of the chemical and restrictions on use

Recommended Use Herbicide.

Uses advised againstNo information available.

Details of the supplier of the safety data sheet

SupplierManufacturerCompany NamePBI Gordon CorporationPBI Gordon CorporationPBI Gordon Corporation1217 West 12th Street1217 West 12th Street1217 West 12th StreetKansas City, MO 64101Kansas City, MO 64101Kansas City, MO 64101

Emergency telephone number

Emergency Telephone Chemtrec 1-800-424-9300

2. HAZARDS IDENTIFICATION

Classification

OSHA Regulatory Status

This chemical is considered hazardous by the 2012 OSHA Hazard Communication Standard (29 CFR 1910.1200)

| Serious eye damage/eye irritation | Category 2A |
|-----------------------------------|-------------|
| Skin Sensitization | Category 1 |
| Flammable liquids | Category 3 |

Label elements

Emergency Overview

Warning

Hazard statements

Causes serious eye irritation. May cause an allergic skin reaction. Flammable liquid and vapor.



Appearance Liquid Physical state Liquid Odor Amines

Precautionary Statements - Prevention

- · Wash face, hands and any exposed skin thoroughly after handling
- Avoid breathing dust/fume/gas/mist/vapors/spray

- Contaminated work clothing should not be allowed out of the workplace
- Keep away from heat/sparks/open flames/hot surfaces. No smoking
- · Keep container tightly closed
- Wear protective gloves/protective clothing/eye protection/face protection

Precautionary Statements - Response

- IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing
- If eye irritation persists: Get medical advice/attention
- If skin irritation or rash occurs: Get medical advice/attention
- · Wash contaminated clothing before reuse
- IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower

Precautionary Statements - Storage

· Store in a well-ventilated place. Keep cool

Precautionary Statements - Disposal

Dispose of contents/container to an approved waste disposal plant

Hazards not otherwise classified (HNOC)

Have the product label with you when calling a poison control center or doctor or going in for treatment. You may also contact 1-877-800-5556 for emergency medical treatment advice.

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; however OSHA HCS 2012 flammable classifications are solely based on tested mixture flash points and boiling points.

Other Information

3. COMPOSITION/INFORMATION ON INGREDIENTS

| Chemical Name | CAS. Number | Weight % |
|---------------------------|-------------|----------|
| 2,4-D, dimethylamine salt | 2008-39-1 | 2.93 |
| MCPP-p Dimethylamine Salt | 66423-09-4 | 2.73 |
| Dimethylamine dicamba | 2300-66-5 | 0.6 |

^{*} The exact percentage (concentration) of composition has been withheld as a trade secret

4. FIRST AID MEASURES

First aid measures

General advice In case of accident or unwellness, seek medical advice immediately (show directions for

use or safety data sheet if possible).

Eye contact Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes.

Remove contact lenses, if present and easy to do. Continue rinsing. If symptoms persist,

call a physician.

Skin Contact Wash off immediately with soap and plenty of water. Remove contaminated clothing and

shoes. Wash contaminated clothing before reuse. If skin irritation persists, call a physician.

Inhalation Remove to fresh air. If symptoms persist, call a physician.

Ingestion Do NOT induce vomiting. Drink plenty of water. Call a poison control center or doctor for

treatment advice.

Most important symptoms and effects, both acute and delayed

Symptoms No information available.

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Indication of any immediate medical attention and special treatment needed

Note to physicians May cause sensitization of susceptible persons.

5. FIRE-FIGHTING MEASURES

Suitable extinguishing media

Use. Foam. Carbon dioxide (CO2). Dry chemical. Water spray (fog).

Specific hazards arising from the chemical

In the event of fire and/or explosion do not breathe fumes. May cause sensitization by inhalation and skin contact. Thermal decomposition can lead to release of irritating and toxic gases and vapors.

Explosion data

Sensitivity to Mechanical Impact None. Sensitivity to Static Discharge None.

Protective equipment and precautions for firefighters

As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures

Personal precautions Evacuate personnel to safe areas. Ensure adequate ventilation, especially in confined

areas. Use personal protective equipment as required.

Environmental precautions

Environmental precautions Prevent further leakage or spillage if safe to do so. Prevent product from entering drains. Do

not flush into surface water or sanitary sewer system. See Section 12 for additional

ecological information.

Methods and material for containment and cleaning up

Methods for containment Prevent further leakage or spillage if safe to do so.

Methods for cleaning up Pick up and transfer to properly labeled containers. Dam up. Soak up with inert absorbent

material (e.g. sand, silica gel, acid binder, universal binder, sawdust).

7. HANDLING AND STORAGE

Precautions for safe handling

Advice on safe handling Ensure adequate ventilation, especially in confined areas. Take precautionary measures

against static discharges.

Conditions for safe storage, including any incompatibilities

Storage Conditions Keep in properly labeled containers. Keep containers tightly closed in a cool, well-ventilated

place.

Incompatible materials Acids.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Control parameters

Exposure Guidelines

| Chemical Name | ACGIH TLV | OSHA PEL | NIOSH IDLH |
|---------------------------|--|---------------------------|--|
| 2,4-D, dimethylamine salt | TWA: 10 mg/m ³ inhalable fraction | TWA: 10 mg/m ³ | IDLH: 10 mg/m ³ , TWA: 10 mg/m ³ |
| 2008-39-1 | S* | _ | |

NIOSH IDLH Immediately Dangerous to Life or Health

Other Information Vacated limits revoked by the Court of Appeals decision in AFL-CIO v. OSHA, 965 F.2d 962

(11th Cir., 1992).

Appropriate engineering controls

Engineering Controls Ensure adequate ventilation, especially in confined areas.

Individual protection measures, such as personal protective equipment

Eye/face protection Tight sealing safety goggles.

Skin and body protection Wear protective gloves and protective clothing. Wear long-sleeved shirt, long pants, socks

and shoes.

Respiratory protection If exposure limits are exceeded or irritation is experienced, NIOSH/MSHA approved

respiratory protection should be worn. Positive-pressure supplied air respirators may be required for high airborne contaminant concentrations. Respiratory protection must be

provided in accordance with current local regulations.

General Hygiene Considerations When using do not eat, drink or smoke. Regular cleaning of equipment, work area and

clothing is recommended.

9. PHYSICAL AND CHEMICAL PROPERTIES

Information on basic physical and chemical properties

Physical state Liquid

AppearanceLiquidOdorAmines

ColorBrownOdor thresholdNo information available

<u>Property</u> <u>Values</u> <u>Remarks • Method</u>

pH 6.0-9.0 Melting point/freezing point <35 °F

Boiling point / boiling range 100 °C / 212 °F

Flash point 46 °C / 114 °F CC (closed cup)

Evaporation rate
Plammability (solid, gas)
No information available
No information available

Flammability Limit in Air

Upper flammability limit:
Lower flammability limit:
Vapor pressure
Vapor density

No information available
No information available
No information available

Specific Gravity 1.01585

Water solubility Soluble in water

Solubility in other solvents
Partition coefficient
Autoignition temperature
Decomposition temperature
Oxidizing properties

No information available
No information available
No information available

Other Information

Density 8.47 pounds/gallon

10. STABILITY AND REACTIVITY

Reactivity

No data available

Chemical stability

Stable.

Possibility of Hazardous Reactions

None under normal processing.

Hazardous polymerization

Will not occur.

Conditions to avoid

Keep from freezing.

Incompatible materials

Acids.

Hazardous Decomposition Products

May emit toxic fumes under fire conditions. Carbon monoxide. Carbon dioxide (CO2). Nitrogen oxides (NOx).

11. TOXICOLOGICAL INFORMATION

Information on likely routes of exposure

Product Information

Inhalation No data available.

Eye contact Mild eye irritation.

Skin Contact No data available.

Ingestion No data available.

| Chemical Name | Oral LD50 | Dermal LD50 | Inhalation LC50 |
|---------------------------|---------------------------------|-------------------------|-----------------|
| 2,4-D, dimethylamine salt | = 625 mg/kg (Rat) | = 2115 mg/kg (Rabbit) | - |
| 2008-39-1 | | | |
| Dimethylamine dicamba | = 1267 mg/kg (Rat) = 2629 mg/kg | > 2 g/kg(Rabbit) | - |
| 2300-66-5 | (Rat) | | |

Information on toxicological effects

Symptoms No information available.

Delayed and immediate effects as well as chronic effects from short and long-term exposure

Sensitization Germ cell mutagenicity No information available. No information available.

Carcinogenicity

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.

| Chemical Name | ACGIH | IARC | NTP | OSHA |
|---------------------------|-------|----------|-----|------|
| 2,4-D, dimethylamine salt | | Group 2B | | |
| 2008-39-1 | | • | | |
| MCPP-p Dimethylamine Salt | | Group 2B | | |
| 66423-09-4 | | • | | |

Reproductive toxicity No information available.

STOT - single exposureSTOT - repeated exposure
No information available.
No information available.

Chronic toxicity Repeated contact may cause allergic reactions in very susceptible persons. Avoid repeated

exposure.

Aspiration hazard No information available.

Numerical measures of toxicity - Product Information

Unknown Toxicity 3 % of the mixture consists of ingredient(s) of unknown toxicity

The following values are calculated based on chapter 3.1 of the GHS document

ATEmix (oral) 17065 mg/kg

12. ECOLOGICAL INFORMATION

Ecotoxicity

Harmful to aquatic life with long lasting effects

3% of the mixture consists of components(s) of unknown hazards to the aquatic environment

Persistence and degradability

No information available.

Bioaccumulation

No information available.

Other adverse effects

No information available

13. DISPOSAL CONSIDERATIONS

Waste treatment methods

Disposal of wastes Disposal should be in accordance with applicable regional, national and local laws and

regulations.

Contaminated packaging Do not reuse container, unless specified by the manufacturer.

US EPA Waste NumberD001 See Section 2: Hazards not otherwise classified (HNOC)

14. TRANSPORT INFORMATION

DOT

Description The following guidelines apply for domestic ground transport. If shipping by air or ocean,

please contact our Transportation Dept.

PESTICIDES, NOI, INCLUDING DEFOLIANTS, FUNGICIDES, HERBICIDES, OR

INSECTICIDES NMFC 155050-6

In our current available sizes, this product does not qualify as a Hazardous Material.

15. REGULATORY INFORMATION

U.S. EPA Label Information

EPA Pesticide Registration Number 2217-820

Federal Insecticide, Fungicide, Rodenticide Act Regulations

This chemical is a pesticide product registered by the Environmental Protection Agency and is subject to certain labeling requirements under federal pesticide law. These requirements differ from the classification criteria and hazard information required for safety data sheets, and for workplace labels of non-pesticide chemicals. Following is the hazard information as required on the pesticide label:

EPA Pesticide Label

Caution. Keep out of the reach of children. Causes moderate eye irritation. Harmful if swallowed or if absorbed through skin. Avoid contact with skin, eyes or clothing. Wear protective eyewear. Wear long-sleeved shirt and long pants, shoes plus socks and gloves. Wash thoroughly with soap and water after handling and before eating, drinking, chewing gum, using tobacco or using the toilet.

International Inventories

| TSCA | Not Listed |
|---------------|------------|
| DSL/NDSL | Not Listed |
| EINECS/ELINCS | Not Listed |
| ENCS | Not Listed |
| IECSC | Not Listed |
| KECL | Not Listed |
| PICCS | Not Listed |
| AICS | Not Listed |

Legend:

TSCA - United States Toxic Substances Control Act Section 8(b) Inventory

DSL/NDSL - Canadian Domestic Substances List/Non-Domestic Substances List

EINECS/ELINCS - European Inventory of Existing Chemical Substances/European List of Notified Chemical Substances

ENCS - Japan Existing and New Chemical Substances

IECSC - China Inventory of Existing Chemical Substances

KECL - Korean Existing and Evaluated Chemical Substances

PICCS - Philippines Inventory of Chemicals and Chemical Substances

AICS - Australian Inventory of Chemical Substances

| Chemical Name | TSCA | DSL | NDSL | EINECS | ELINCS | ENCS | IECSC | KECL | PICCS | AICS |
|---------------------------|------|-----|------|--------|--------|------|-------|------|-------|------|
| 2,4-D, dimethylamine salt | | | | Х | | | Χ | | Х | Χ |
| Dimethylamine dicamba | | | | Х | | Х | | | | Х |

US Federal Regulations

SARA 313

Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product does not contain any chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372

| Chemical Name | SARA 313 - Threshold Values % |
|-----------------------------------|-------------------------------|
| Dimethylamine dicamba - 2300-66-5 | 1.0 |

SARA 311/312 Hazard Categories

| Acute health hazard | Yes |
|-----------------------------------|-----|
| Chronic Health Hazard | No |
| Fire hazard | Yes |
| Sudden release of pressure hazard | No |
| Reactive Hazard | No |

CWA (Clean Water Act)

This product contains the following substances which are regulated pollutants pursuant to the Clean Water Act (40 CFR 122.21 and 40 CFR 122.42)

CERCLA

This material, as supplied, contains one or more substances regulated as a hazardous substance under the Comprehensive Environmental Response Compensation and Liability Act (CERCLA) (40 CFR 302)

| Chemical Name | Hazardous Substances RQs | CERCLA/SARA RQ | Reportable Quantity (RQ) |
|---------------------------|--------------------------|----------------|--------------------------|
| 2,4-D, dimethylamine salt | 100 lb | | RQ 100 lb final RQ |
| 2008-39-1 | | | RQ 45.4 kg final RQ |

US State Regulations

U.S. State Right-to-Know Regulations

| Chemical Name | New Jersey | Massachusetts | Pennsylvania |
|-----------------------|------------|---------------|--------------|
| Dimethylamine dicamba | X | | |
| 2300-66-5 | | | |

International Regulations

Mexico - Grade

Moderate risk, Grade 2

16. OTHER INFORMATION

NFPA Health hazards 2 Flammability 1 Instability 0 Physical and Chemical

Properties -

HMIS Health hazards 2 Flammability 1 Physical hazards 0 Personal protection X

Disclaimer

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End of Safety Data Sheet