

SAFETY DATA SHEET

Company Name

PBI Gordon Corporation

1217 West 12th Street Kansas City, MO 64101

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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 identificationProduct CodePBI FP 895160EPA Pesticide Registration Number2217-820Product Size1 U. S. Qt.

Recommended use of the chemical and restrictions on useRecommended UseHerbicide.Uses advised againstNo information available.

Details of the supplier of the safe	ty data sheet
Supplier	Manuf
PBI Gordon Corporation	PBI Go
1217 West 12th Street	1217 \
Kansas City, MO 64101	Kansa
Emergency telephone number	
Emergency Telephone	Chemtrec

Manufacturer PBI Gordon Corporation 1217 West 12th Street Kansas City, MO 64101

ntrec 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.



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

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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 effe	ects, both acute and delayed
Symptoms	No information available.

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 ed	quipment 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 containm	ent 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, includ	ing any incompatibilities	
Storage Conditions	Keep in properly labeled containers. Keep containers tightly closed in a cool, well-ventilated place.	
Incompatible materials	Acids.	

Control parameters

Chemical Name	ACGIH TLV	OSHA PEL	NIOSH IDLH	
2,4-D, dimethylamine salt 2008-39-1	TWA: 10 mg/m ³ inhalable fraction S*	IDLH: 10 mg/m ³ , TWA: 10 mg/m ³		
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.			
ndividual protection measures, suc	h as personal protective equipm	ent		
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 Appearance Color	Liquid Liquid Brown	Odor Odor threshold	Amines No information available
Property	Values_	Remarks • Method	
pH Molting point/freezing point	6.0-9.0 <35 °F		
Melting point/freezing point Boiling point / boiling range	100 °C / 212 °F		
Flash point	46 °C / 114 °F	CC (closed cup)	
Evaporation rate	No information available		
Flammability (solid, gas)	No information available		
Flammability Limit in Air			
Upper flammability limit:	No information available		
Lower flammability limit:	No information available		
Vapor pressure	No information available		
Vapor density	No information available		
Specific Gravity	1.01585		
Water solubility	Soluble in water		
Solubility in other solvents Partition coefficient	No information available No information available		
Autoignition temperature	No information available		
Decomposition temperature	No information available		
Oxidizing properties	No information available		
Other Information			
Density	8.47 pounds/gallon		

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 Carcinogenicity	its Group 2B chloropheno classifiable a and mice did		nogenicity in humans.) The P, MCPP, and MCPA a Cla /.) More current 2,4-D lifeti ects and a recent World He	e US EPA has given the ass D classification (not me feeding studies in rats ealth Organization (WHO)
Chemical Name	ACGIH	IARC	NTP	OSHA

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 informatio	on available.		

STOT - single exposure STOT - repeated exposure Chronic toxicity	No information available. No information available. 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 calcular ATEmix (oral)	ted based on chapter 3.1 of the GHS document 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 Number	D001 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			Х		Х	Х
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		•	

US State Regulations

U.S. State Right-to-Know Regulations

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

International Regulations

Mexico - Grade

Moderate risk, Grade 2

16. OTHER INFORMATION

<u>NFPA</u>	Health hazards 2	Flammability 1	Instability 0	Physical and Chemical Proportion
<u>HMIS</u>	Health hazards 2	Flammability 1	Physical hazards 0	Properties - Personal protection X

Disclaimer

The information provided in this Material Safety Data Sheet is correct to the best of PBI Gordon Corporation's knowledge, information and belief at the date of this publication. The information given is designed only as guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any other process, unless specified in the text. PBI GORDON CORPORATION MAKES NO WARRANTIES, EXPRESSED OR IMPLIED, INCLUDING, BUT NOT LIMITED TO, ANY IMPLIED WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE OR COURSE OF PERFORMANCE OR USAGE OF TRADE. Given the variety of factors that can affect the use and application of this product, some of which are uniquely within the user's knowledge and control, it is essential that the user evaluate the product to determine whether it is fit for a particular purpose and suitable for user's method of use or application. Each user is also responsible for evaluating the conditions of use and designing the appropriate protective mechanisms to prevent employee exposures, property damage, or release to the environment. PBI Gordon Corporation assumes no responsibility for injury to the recipient or third persons, or for any damage to any property resulting from misuse of the product.

End of Safety Data Sheet