

Issue Date 21-May-2015

Revision Date 13-Mar-2025

Version 1

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

Product identifier.

Product Name Gordon's Boulevard Lawn Fertilizer 27-0-2

Other means of identification

Product Code PBI FP745

Recommended use of the chemical and restrictions on use

Recommended Use Fertilizers

Uses advised against No information available

Details of the supplier of the safety data sheet

Company Name

PBI-Gordon Corporation
P.O. Box 860350
Shawnee, KS 66286

Emergency telephone number

24 Hour Emergency Phone Number 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)

Carcinogenicity

Category 1B

Label elements

Emergency Overview

Signal word

Danger

Hazard statements

- May cause cancer



Appearance Liquid

Physical state Liquid

Odor Slight Ammonia

Precautionary Statements - Prevention

Obtain special instructions before use

Do not handle until all safety precautions have been read and understood

Wear protective gloves/protective clothing/eye protection/face protection

Precautionary Statements - Response

IF exposed or concerned: Get medical advice/attention

Precautionary Statements - Storage

Store locked up

Precautionary Statements - Disposal

Dispose of contents/container to an approved waste disposal plant

Hazards not otherwise classified (HNOC)

Not applicable

Other information

Not applicable.

3. COMPOSITION/INFORMATION ON INGREDIENTS

Substance

Not applicable.

Mixture

| Chemical name | CAS-No | Weight-% |
|---------------------|-----------|----------|
| Ammonium nitrate | 6484-52-2 | 36-41* |
| Urea | 57-13-6 | 29-33* |
| Potassium carbonate | 584-08-7 | 5-10* |

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

4. FIRST AID MEASURES

Description of first aid measures

| | |
|----------------|--|
| General advice | IF exposed or concerned: Get medical advice/attention. |
| Eye contact | Rinse thoroughly with plenty of water for at least 15 minutes, lifting lower and upper eyelids. If symptoms persist, call a physician. |
| Skin contact | Wash skin with soap and water. If skin irritation persists, call a physician. |
| Inhalation | Remove to fresh air. If symptoms persist, call a physician. |
| Ingestion | Clean mouth with water and drink afterwards plenty of water. Call a physician. |

Most important symptoms and effects, both acute and delayed

Symptoms No information available

Indication of any immediate medical attention and special treatment needed

Note to physicians Treat symptomatically.

5. FIRE-FIGHTING MEASURES

Suitable Extinguishing Media Foam. Carbon dioxide (CO2). Dry chemical. Water spray.

Unsuitable extinguishing media No information available.

Specific hazards arising from the chemical In the event of fire and/or explosion do not breathe fumes. 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.

Special protective equipment for fire-fighters

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 Ensure adequate ventilation, especially in confined areas.

Environmental precautions

Environmental precautions See Section 12 for additional ecological information

Other information For further specification, refer to section 8 of the SDS.

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.

7. HANDLING AND STORAGE

Precautions for safe handling

Advice on safe handling Handle in accordance with good industrial hygiene and safety practice. Avoid contact with skin, eyes or clothing.

Conditions for safe storage, including any incompatibilities

Storage Conditions Keep containers tightly closed in a dry, cool and well-ventilated place. Keep out of the reach of children. Keep from freezing.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Control parameters

Exposure Limits

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 Showers
Eyewash stations
Ventilation systems.

Individual protection measures, such as personal protective equipment

Eye/face protection Wear safety glasses with side shields (or goggles).

Hand protection Chemical resistant gloves.

Skin and body protection 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 Do not eat, drink or smoke when using this product. Wash hands before breaks and immediately after handling the product.

9. PHYSICAL AND CHEMICAL PROPERTIES

Information on basic physical and chemical properties

| | |
|----------------|--------------------------|
| Physical state | Liquid |
| Appearance | Liquid |
| Color | Red |
| Odor | Slight Ammonia |
| Odor threshold | No information available |

| <u>Property</u> | <u>Values</u> | <u>Remarks • Method</u> |
|-------------------------------|-------------------|-------------------------|
| pH | 7.9 | |
| Melting point/freezing point | 0 °C / 32 °F | |
| Boiling point / boiling range | > 100 °C / 212 °F | |
| Flash point | No data available | None known |
| Evaporation rate | No data available | None known |
| Flammability (solid, gas) | No data available | None known |
| Flammability Limit in Air | | None known |
| Upper flammability limit: | No data available | |
| Lower flammability limit: | No data available | |
| Vapor pressure | No data available | |
| Vapor density | No data available | None known |
| Specific Gravity | 1.281 | |
| Water solubility | Miscible in water | |
| Solubility in other solvents | No data available | None known |
| Partition coefficient | No data available | None known |
| Autoignition temperature | No data available | None known |
| Decomposition temperature | No data available | None known |

Other Information

| | |
|----------------|--------------------------|
| Liquid Density | 10.67 pounds/gallon |
| Bulk density | No information available |

10. STABILITY AND REACTIVITY

Reactivity

No information available.

Stability

Stable

Possibility of hazardous reactions

None under normal processing.

Hazardous polymerization

Will not occur.

Conditions to avoid

Keep out of reach of children.

Incompatible materials

Organic material. Combustible material. Strong acids. Strong bases. Chlorinated compounds. Corrosive to brass and copper.

Hazardous decomposition products

Thermal decomposition can lead to release of irritating and toxic gases and vapors. Carbon oxides. Nitrogen oxides (NOx). Ammonia.

11. TOXICOLOGICAL INFORMATION

Information on likely routes of exposure

Product Information

| | |
|---------------------|---|
| Inhalation | Specific test data for the substance or mixture is not available. |
| Eye contact | Specific test data for the substance or mixture is not available. |
| Skin contact | Specific test data for the substance or mixture is not available. |
| Ingestion | May be harmful if swallowed. |

Component Information

| Chemical name | Oral LD50 | Dermal LD50 | Inhalation LC50 |
|---------------------------------|----------------------|-------------------------|---------------------------|
| Ammonium nitrate 6484-52-2 | = 2217 mg/kg (Rat) | > 5000 mg/kg (Rat) | > 88.8 mg/L (Rat) 4 h |
| Urea 57-13-6 | = 8471 mg/kg (Rat) | - | - |
| Potassium carbonate 584-08-7 | = 1870 mg/kg (Rat) | > 2000 mg/kg (Rabbit) | > 4.96 mg/L (Rat) 4.5 h |

Symptoms related to the physical, chemical and toxicological characteristics

| | |
|-----------------|---------------------------|
| Symptoms | No information available. |
|-----------------|---------------------------|

Acute toxicity

Numerical measures of toxicity - Product Information

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

| | |
|--------------------------------------|------------|
| ATEmix (oral) | 4344 mg/kg |
| ATEmix (inhalation-dust/mist) | 155 mg/L |

Unknown Toxicity

73 % of the mixture consists of ingredient(s) of unknown toxicity
 0 % of the mixture consists of ingredient(s) of unknown acute oral toxicity
 73 % of the mixture consists of ingredient(s) of unknown acute dermal toxicity
 73 % of the mixture consists of ingredient(s) of unknown acute inhalation toxicity (gas)
 73 % of the mixture consists of ingredient(s) of unknown acute inhalation toxicity (vapor)
 35 % of the mixture consists of ingredient(s) of unknown acute inhalation toxicity (dust/mist)

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

| | |
|--|---------------------------|
| Skin corrosion/irritation | No information available. |
| Serious eye damage/eye irritation | No information available. |
| Respiratory or skin sensitization | No information available. |
| Germ cell mutagenicity | No information available. |

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

| Chemical name | ACGIH | IARC | NTP | OSHA |
|-------------------------------|-------|----------|-----|------|
| Ammonium nitrate 6484-52-2 | - | Group 2A | - | X |

Legend

IARC (International Agency for Research on Cancer)

Group 2A - Probably Carcinogenic to Humans

OSHA (Occupational Safety and Health Administration of the US Department of Labor)

X - Present

Reproductive toxicity No information available.

STOT - single exposure No information available.

STOT - repeated exposure No information available.

12. ECOLOGICAL INFORMATION

Ecotoxicity

| Chemical name | Algae/aquatic plants | Fish | Toxicity to microorganisms | Crustacea |
|---------------------------------|----------------------|---|----------------------------|---|
| Urea 57-13-6 | - | 16200 - 18300: 96 h Poecilia reticulata mg/L LC50 | - | 3910: 48 h Daphnia magna mg/L EC50 Static |
| Potassium carbonate 584-08-7 | - | - | - | 630: 48 h Ceriodaphnia dubia mg/L LC50 |

Persistence and degradability No information available.

Bioaccumulation No information available.

Other adverse effects No information available.

13. DISPOSAL CONSIDERATIONS

Waste treatment methods

Waste from residues/unused products Disposal should be in accordance with applicable regional, national and local laws and regulations.

Contaminated packaging Do not reuse empty containers.

14. TRANSPORT INFORMATION

DOT Not regulated

TDG Not regulated

MEX Not regulated

ICAO (air)

| | |
|----------------------|--|
| UN/ID no. | UN2071 |
| Proper shipping name | AMMONIUM NITRATE BASED FERTILIZER |
| Hazard class | 9 |
| Packing group | III |
| Special Provisions | A89, A90 |
| Description | UN2071, AMMONIUM NITRATE BASED FERTILIZER, 9, III, |

IATA

| | |
|----------------------------|--|
| UN number | UN2071 |
| UN proper shipping name | AMMONIUM NITRATE FERTILIZERS |
| Transport hazard class(es) | 9 |
| Packing group | III |
| Special Provisions | A89, A90 |
| Description | UN2071, AMMONIUM NITRATE BASED FERTILIZER, 9, III, |

IMDG

| | |
|----------------------------|--|
| UN number | UN2071 |
| UN proper shipping name | AMMONIUM NITRATE BASED FERTILIZER |
| Transport hazard class(es) | 9 |
| Packing group | III |
| EmS-No. | F-H, S-Q |
| Special Provisions | 186, 193 |
| Description | UN2071, AMMONIUM NITRATE BASED FERTILIZER, 9, III, |

15. REGULATORY INFORMATION

U.S. EPA Label Information

EPA Pesticide Registration Number Not applicable

International Inventories

| | |
|---------------|--------|
| TSCA | Listed |
| DSL/NDSL | Listed |
| EINECS/ELINCS | Listed |
| ENCS | Listed |
| IECSC | Listed |
| KECL | Listed |
| PICCS | Listed |
| AICS | 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

US Federal Regulations

SARA 313

Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product contains a chemical or 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 % |
|------------------------------|-------------------------------|
| Ammonium nitrate - 6484-52-2 | 1.0 |

SARA 311/312 Hazard Categories

Should this product meet EPCRA 311/312 Tier reporting criteria at 40 CFR 370, refer to Section 2 of this SDS for appropriate classifications.

CWA (Clean Water Act)

This product does not contain any substances regulated as pollutants pursuant to the Clean Water Act (40 CFR 122.21 and 40 CFR 122.42).

CERCLA

This material, as supplied, does not contain any substances regulated as hazardous substances under the Comprehensive Environmental Response Compensation and Liability Act (CERCLA) (40 CFR 302) or the Superfund Amendments and Reauthorization Act (SARA) (40 CFR 355). There may be specific reporting requirements at the local, regional, or state level pertaining to releases of this material.

US State Regulations

U.S. State Right-to-Know Regulations

US State Regulations

| Chemical name | New Jersey | Massachusetts | Pennsylvania |
|-------------------------------|------------|---------------|--------------|
| Ammonium nitrate 6484-52-2 | X | X | X |
| Water 7732-18-5 | - | - | X |
| Trade Secret | X | X | X |
| Trade Secret | X | X | X |

16. OTHER INFORMATION

| | | | | |
|-----------------------------------|-------------------|----------------------------------|--------------------|------------------------------------|
| NFPA | Health hazards 1 | Flammability 0 | Instability 0 | Physical and Chemical Properties - |
| HMIS | Health hazards 1* | Flammability 0 | Physical hazards 0 | Personal protection X |
| <i>Chronic Hazard Star Legend</i> | | <i>* = Chronic Health Hazard</i> | | |

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End of Safety Data Sheet