

Issue Date 21-Apr-2015

Revision Date 08-Dec-2015

Version 2

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

**Product identifier**

**Product Name** PRONTO® Big N' Tuf™

**Other means of identification**

**Product Code** PBI FP 956-8  
**EPA Pesticide Registration Number** 42750-61-2217

**Recommended use of the chemical and restrictions on use**

**Recommended Use** Herbicide.  
**Uses advised against** No information available.

**Details of the supplier of the safety data sheet**

|  |  |  |
|--|--|--|
| <b>Supplier</b>  | <b>Manufacturer</b>  | <b>Company Name</b>  |
| PBI Gordon Corporation<br>1217 West 12th Street<br>Kansas City, MO 64101 | PBI Gordon Corporation<br>1217 West 12th Street<br>Kansas City, MO 64101 | PBI Gordon Corporation<br>1217 West 12th Street<br>Kansas 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)

|   |             |
|---|-------------|
| Acute toxicity - Oral                     | Category 4  |
| Acute toxicity - Dermal                   | Category 4  |
| Acute toxicity - Inhalation (Dusts/Mists) | Category 4  |
| Carcinogenicity                           | Category 1B |
| Flammable liquids                         | Category 3  |

**Label elements**

**Emergency Overview**

**Danger**

**Hazard statements**

Harmful if swallowed. Harmful in contact with skin. Harmful if inhaled. May cause cancer.  
 Flammable liquid and vapor.



**Appearance** Clear liquid

**Physical state** Liquid

**Odor** Slight Detergent-like

**Precautionary Statements - Prevention**

- Obtain special instructions before use
- Do not handle until all safety precautions have been read and understood
- Use personal protective equipment as required
- Wash face, hands and any exposed skin thoroughly after handling
- Do not eat, drink or smoke when using this product
- Avoid breathing dust/fume/gas/mist/vapors/spray
- Use only outdoors or in a well-ventilated area
- Keep away from heat/sparks/open flames/hot surfaces. — No smoking
- Keep container tightly closed

**Precautionary Statements - Response**

- IF exposed or concerned: Get medical advice/attention
- Call a POISON CENTER or doctor/physician if you feel unwell
- Wash contaminated clothing before reuse
- IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower
- IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing
- IF SWALLOWED: Call a POISON CENTER or doctor/physician if you feel unwell
- Rinse mouth
- In case of fire: Use CO2, dry chemical, or foam for extinction

**Precautionary Statements - Storage**

- Store locked up
- 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 No.    | Weight-% |
|---|------------|----------|
| Isopropylamine salt of N-(phosphonomethyl) glycine (Glyphosate) | 38641-94-0 | 41       |

\* 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). If symptoms persist, call a physician.

**Eye contact**

Immediately flush with plenty of water. After initial flushing, remove any contact lenses and continue flushing for at least 15 minutes. Keep eye wide open while rinsing. If symptoms persist, call a physician.

**Skin Contact**

Wash off immediately with soap and plenty of water while removing all contaminated clothes and shoes. If skin irritation persists, call a physician.

**Inhalation**

Move to fresh air in case of accidental inhalation of vapors or decomposition products. If symptoms persist, call a physician.

**Ingestion** Never give anything by mouth to an unconscious person. Do NOT induce vomiting. Drink 1 or 2 glasses of water. Call a physician immediately.

**Self-protection of the first aider** Use personal protective equipment as required.

**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**

Use. Dry chemical. Carbon dioxide (CO<sub>2</sub>). Water spray (fog). Alcohol resistant foam.

**Specific hazards arising from the chemical**

No information available.

**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. Keep people away from and upwind of spill/leak. 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. 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** Dam up. Soak up with inert absorbent material (e.g. sand, silica gel, acid binder, universal binder, sawdust). Pick up and transfer to properly labeled containers. Take precautionary measures against static discharges.

## 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. Use with local exhaust ventilation. Keep away from heat/sparks/open flames/hot surfaces. — No smoking. Use personal protective equipment as required. Do not breathe dust/fume/gas/mist/vapors/spray.

**Conditions for safe storage, including any incompatibilities**

**Storage Conditions** Keep in properly labeled containers. Keep containers tightly closed in a cool, well-ventilated place. Keep away from heat.

Incompatible materials None known.

## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

### Control parameters

#### Exposure Guidelines

#### 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

Local and General Ventilation.

### Individual protection measures, such as personal protective equipment

#### Eye/face protection

Tight sealing safety goggles. Face protection shield.

#### 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

#### Appearance

Clear liquid

#### Color

Yellow

#### Odor

Slight Detergent-like

#### Odor threshold

No information available

### Property

### Values

### Remarks • Method

#### pH

4.0-8.0

#### Melting point/freezing point

No information available

#### Boiling point / boiling range

No information available

#### Flash point

55 °C / 131.4 °F

Pensky-Martens Closed Cup (PMCC)

#### 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

1.174

#### Water solubility

Soluble in water

#### Solubility in other solvents

No information available

#### Partition coefficient

No information available

#### Autoignition temperature

No information available

#### Decomposition temperature

No information available

#### Oxidizing properties

No information available

### Other Information

#### Density

9.79 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**

Extremes of temperature and direct sunlight.

**Incompatible materials**

None known.

**Hazardous Decomposition Products**May emit toxic fumes under fire conditions. Carbon monoxide. Carbon dioxide (CO<sub>2</sub>). Nitrogen oxides (NO<sub>x</sub>).**11. TOXICOLOGICAL INFORMATION****Information on likely routes of exposure****Product Information****Inhalation** See "Numerical measures of toxicity-product information" in this section.**Eye contact** Mild eye irritation.**Skin Contact** See "Numerical measures of toxicity-product information" in this section.**Ingestion** See "Numerical measures of toxicity-product information" in this section.

| Chemical Name   | Oral LD50             | Dermal LD50          | Inhalation LC50 |
|---|-----------------------|----------------------|-----------------|
| Isopropylamine salt of N-(phosphonomethyl) glycine (Glyphosate)<br>38641-94-0 | = 10537 mg/kg ( Rat ) | = 7500 mg/kg ( Rat ) | -               |

**Information on toxicological effects****Symptoms** No information available.**Delayed and immediate effects as well as chronic effects from short and long-term exposure****Skin corrosion/irritation** Not irritating.**Sensitization** Not a skin sensitizer.**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 |
|---|-------|----------|-----|------|
| Isopropylamine salt of N-(phosphonomethyl) glycine (Glyphosate)<br>38641-94-0 |       | Group 2A |     | X    |

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.  
**Chronic toxicity** Avoid repeated exposure.  
**Aspiration hazard** No information available.

#### Numerical measures of toxicity - Product Information

**Unknown Acute Toxicity** 0% of the mixture consists of ingredient(s) of unknown toxicity  
**Oral LD50** > 2000 mg/kg (rat)  
**Dermal LD50** > 2000 mg/kg (rat)  
**Inhalation LC50** > 2.05 mg/L (rat)

## 12. ECOLOGICAL INFORMATION

### Ecotoxicity

Toxic to aquatic life with long lasting effects

58% of the mixture consists of component(s) of unknown hazards to the aquatic environment

| Chemical Name   | Algae/aquatic plants | Fish   | Toxicity to microorganisms | Crustacea                                      |
|---|----------------------|--|----------------------------|--|
| Isopropylamine salt of N-(phosphonomethyl) glycine (Glyphosate)<br>38641-94-0 |                      | 8.3: 96 h Oncorhynchus mykiss mg/L LC50 static 5.6: 96 h Lepomis macrochirus mg/L LC50 static 2.3: 96 h Pimephales promelas mg/L LC50 static |                            | 2.6 - 3.4: 48 h Daphnia magna mg/L EC50 Static |

### 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** 42750-61-2217**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. Avoid contact with eyes or clothing. Wash thoroughly with soap and water after handling.

**International Inventories**

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

| <b>Chemical Name</b>  | <b>TSCA</b> | <b>DSL</b> | <b>NDSL</b> | <b>EINECS</b> | <b>ELINCS</b> | <b>ENCS</b> | <b>IECSC</b> | <b>KECL</b> | <b>PICCS</b> | <b>AICS</b> |
|---|-------------|------------|-------------|---------------|---------------|-------------|--------------|-------------|--------------|-------------|
| Isopropylamine salt of N-(phosphonomethyl) glycine (Glyphosate) |             | X          |             | X             |               | X           | X            |             |              | X           |

**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

**SARA 311/312 Hazard Categories**

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

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

**US State Regulations****U.S. State Right-to-Know Regulations****International Regulations**

Mexico - Grade

Moderate risk, Grade 2

|                              |
|------------------------------|
| <b>16. OTHER INFORMATION</b> |
|------------------------------|

|             |                  |                |                    |                                    |
|-------------|------------------|----------------|--------------------|------------------------------------|
| <u>NFPA</u> | Health hazards 2 | Flammability 1 | Instability 0      | Physical and Chemical Properties - |
| <u>HMIS</u> | Health hazards 2 | Flammability 1 | Physical hazards 0 | 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**