



# SAFETY DATA SHEET

## 1. Identification

|   |  |                |
|---|--|----------------|
| <b>Product identifier</b>                                     | <b>Grigg Turftopia</b>   |                |
| <b>Other means of identification</b>                          |  |                |
| <b>Product code</b>   | 32035GRI   |                |
| <b>Recommended use</b>  | Turf- fertilizer   |                |
| <b>Recommended restrictions</b>                               | Refer to product label.  |                |
| <b>Manufacturer/Importer/Supplier/Distributor information</b> |  |                |
| <b>Manufacturer</b>   |  |                |
| <b>Company name</b>   | Brandt Consolidated, Inc.  |                |
| <b>Address</b>  | 2935 South Koke Mill Road<br>Springfield, IL 62711<br>United States  |                |
| <b>Telephone</b>  | Corporate Office   | 1-217-547-5800 |
| <b>Website</b>  | www.brandt.co  |                |
| <b>E-mail</b>   | msds@brandt.co   |                |
| <b>Contact person</b>   | EH&S / Regulatory Department   |                |
| <b>Emergency phone number</b>                                 | CHEMTREC (24 hours):<br>USA, Canada, Puerto Rico 1-800-424-9300<br>Virgin Islands 1-800-424-9300<br>International Maritime +1 (703) 527-3887 |                |
| <b>Supplier</b>   | Not available.   |                |

## 2. Hazard identification

|                              |                 |
|------------------------------|-----------------|
| <b>Physical hazards</b>      | Not classified. |
| <b>Health hazards</b>        | Not classified. |
| <b>Environmental hazards</b> | Not classified. |

### Label elements

|                         |  |
|-------------------------|--|
| <b>Hazard symbol</b>    | None.  |
| <b>Signal word</b>      | None.  |
| <b>Hazard statement</b> | The mixture does not meet the criteria for classification. |

### Precautionary statement

|                   |  |
|-------------------|--|
| <b>Prevention</b> | Observe good industrial hygiene practices.                                     |
| <b>Response</b>   | Wash hands after handling.   |
| <b>Storage</b>    | Store away from incompatible materials.  |
| <b>Disposal</b>   | Dispose of waste and residues in accordance with local authority requirements. |

**Other hazards** None known.

**Supplemental information** None.

## 3. Composition/information on ingredients

### Mixtures

The components are not hazardous or are below required disclosure limits.

All concentrations are in percent by weight unless ingredient is a gas. Gas concentrations are in percent by volume.

## 4. First-aid measures

|                     |  |
|---------------------|--|
| <b>Inhalation</b>   | Move to fresh air. Call a physician if symptoms develop or persist.                      |
| <b>Skin contact</b> | Wash off with soap and water. Get medical attention if irritation develops and persists. |
| <b>Eye contact</b>  | Rinse with water. Get medical attention if irritation develops and persists.             |
| <b>Ingestion</b>    | Rinse mouth. Get medical attention if symptoms occur.                                    |

|   |   |
|---|---|
| <b>Most important symptoms/effects, acute and delayed</b>                     | Direct contact with eyes may cause temporary irritation.  |
| <b>Indication of immediate medical attention and special treatment needed</b> | Treat symptomatically.  |
| <b>General information</b>  | Ensure that medical personnel are aware of the material(s) involved, and take precautions to protect themselves.  |
| <b>5. Fire-fighting measures</b>  |   |
| <b>Suitable extinguishing media</b>   | Foam. Powder. Carbon dioxide (CO <sub>2</sub> ).  |
| <b>Unsuitable extinguishing media</b>   | Do not use water jet as an extinguisher, as this will spread the fire.  |
| <b>Specific hazards arising from the chemical</b>                             | During fire, gases hazardous to health may be formed.   |
| <b>Special protective equipment and precautions for firefighters</b>          | Self-contained breathing apparatus and full protective clothing must be worn in case of fire.   |
| <b>Fire fighting equipment/instructions</b>                                   | Move containers from fire area if you can do so without risk.   |
| <b>Specific methods</b>   | Use standard firefighting procedures and consider the hazards of other involved materials.  |
| <b>General fire hazards</b>   | No unusual fire or explosion hazards noted.   |
| <b>6. Accidental release measures</b>   |   |
| <b>Personal precautions, protective equipment and emergency procedures</b>    | Keep unnecessary personnel away. For personal protection, see section 8 of the SDS.   |
| <b>Methods and materials for containment and cleaning up</b>                  | Use water spray to reduce vapors or divert vapor cloud drift.<br><br>Large Spills: Stop the flow of material, if this is without risk. Dike the spilled material, where this is possible. Absorb in vermiculite, dry sand or earth and place into containers. Following product recovery, flush area with water.<br><br>Small Spills: Wipe up with absorbent material (e.g. cloth, fleece). Clean surface thoroughly to remove residual contamination.<br><br>Never return spills to original containers for re-use. For waste disposal, see section 13 of the SDS. |
| <b>Environmental precautions</b>  | Avoid discharge into drains, water courses or onto the ground.  |
| <b>7. Handling and storage</b>  |   |
| <b>Precautions for safe handling</b>  | Observe good industrial hygiene practices.  |
| <b>Conditions for safe storage, including any incompatibilities</b>           | Store in tightly closed container. Store away from incompatible materials (see Section 10 of the SDS).  |
| <b>8. Exposure controls/personal protection</b>                               |   |
| <b>Occupational exposure limits</b>   | No exposure limits noted for ingredient(s).   |
| <b>Biological limit values</b>  | No biological exposure limits noted for the ingredient(s).  |
| <b>Appropriate engineering controls</b>                                       | Good general ventilation should be used. Ventilation rates should be matched to conditions. If applicable, use process enclosures, local exhaust ventilation, or other engineering controls to maintain airborne levels below recommended exposure limits. If exposure limits have not been established, maintain airborne levels to an acceptable level.   |
| <b>Individual protection measures, such as personal protective equipment</b>  |   |
| <b>Eye/face protection</b>  | Wear safety glasses with side shields (or goggles).   |
| <b>Skin protection</b>  |   |
| <b>Hand protection</b>  | Wear appropriate chemical resistant gloves.   |
| <b>Other</b>  | Wear suitable protective clothing.  |
| <b>Respiratory protection</b>   | In case of insufficient ventilation, wear suitable respiratory equipment.   |
| <b>Thermal hazards</b>  | Wear appropriate thermal protective clothing, when necessary.   |

**General hygiene considerations**

Always observe good personal hygiene measures, such as washing after handling the material and before eating, drinking, and/or smoking. Routinely wash work clothing and protective equipment to remove contaminants.

**9. Physical and chemical properties**

|   |                                   |
|---|-----------------------------------|
| <b>Appearance</b>                                   | Liquid.                           |
| <b>Physical state</b>                               | Liquid.                           |
| <b>Form</b>   | Liquid.                           |
| <b>Color</b>  | Pink.                             |
| <b>Odor</b>   | Not available.                    |
| <b>Odor threshold</b>                               | Not available.                    |
| <b>pH</b>   | 6 - 7                             |
| <b>Melting point/freezing point</b>                 | 270.86 °F (132.7 °C) estimated    |
| <b>Initial boiling point and boiling range</b>      | Not available.                    |
| <b>Flash point</b>                                  | Not available.                    |
| <b>Evaporation rate</b>                             | Not available.                    |
| <b>Flammability (solid, gas)</b>                    | Not applicable.                   |
| <b>Upper/lower flammability or explosive limits</b> |                                   |
| <b>Flammability limit - lower (%)</b>               | Not available.                    |
| <b>Flammability limit - upper (%)</b>               | Not available.                    |
| <b>Explosive limit - lower (%)</b>                  | Not available.                    |
| <b>Explosive limit - upper (%)</b>                  | Not available.                    |
| <b>Vapor pressure</b>                               | 0.00001 hPa estimated             |
| <b>Vapor density</b>                                | Not available.                    |
| <b>Relative density</b>                             | 1.22 g/cm <sup>3</sup> (typical)  |
| <b>Solubility(ies)</b>                              |                                   |
| <b>Solubility (water)</b>                           | Not available.                    |
| <b>Partition coefficient (n-octanol/water)</b>      | Not available.                    |
| <b>Auto-ignition temperature</b>                    | Not available.                    |
| <b>Decomposition temperature</b>                    | Not available.                    |
| <b>Viscosity</b>                                    | Not available.                    |
| <b>Other information</b>                            |                                   |
| <b>Explosive properties</b>                         | Not explosive.                    |
| <b>Oxidizing properties</b>                         | Not oxidizing.                    |
| <b>Pounds per gallon</b>                            | 10.2 lb/in <sup>3</sup> (typical) |
| <b>VOC</b>  | 18.33 % estimated                 |

**10. Stability and reactivity**

|   |   |
|---|---|
| <b>Reactivity</b>                         | The product is stable and non-reactive under normal conditions of use, storage and transport. |
| <b>Chemical stability</b>                 | Material is stable under normal conditions.   |
| <b>Possibility of hazardous reactions</b> | No dangerous reaction known under conditions of normal use.                                   |
| <b>Conditions to avoid</b>                | Contact with incompatible materials.  |
| <b>Incompatible materials</b>             | Strong oxidizing agents.  |
| <b>Hazardous decomposition products</b>   | No hazardous decomposition products are known.  |

**11. Toxicological information****Information on likely routes of exposure**

|                   |  |
|-------------------|--|
| <b>Inhalation</b> | Knowledge about health hazard is incomplete. |
|-------------------|--|

|   |  |
|---|--|
| <b>Skin contact</b>   | Knowledge about health hazard is incomplete.             |
| <b>Eye contact</b>  | Knowledge about health hazard is incomplete.             |
| <b>Ingestion</b>  | Knowledge about health hazard is incomplete.             |
| <b>Symptoms related to the physical, chemical and toxicological characteristics</b> | Direct contact with eyes may cause temporary irritation. |

#### Information on toxicological effects

**Acute toxicity** Not known.

| Product   | Species   | Test Results |
|---|---|--------------|
| Grigg Turftopia   |   |              |
| <b>Acute</b>  |   |              |
| <b>Oral</b>   |   |              |
| LD50  | Rat   | 23100 mg/kg  |
| <b>Skin corrosion/irritation</b>                          | Due to partial or complete lack of data the classification is not possible. |              |
| <b>Serious eye damage/eye irritation</b>                  | Due to partial or complete lack of data the classification is not possible. |              |
| <b>Respiratory or skin sensitization</b>                  |   |              |
| <b>Respiratory sensitization</b>                          | Due to partial or complete lack of data the classification is not possible. |              |
| <b>Skin sensitization</b>                                 | Due to partial or complete lack of data the classification is not possible. |              |
| <b>Germ cell mutagenicity</b>                             | Due to partial or complete lack of data the classification is not possible. |              |
| <b>Carcinogenicity</b>                                    | Due to partial or complete lack of data the classification is not possible. |              |
| <b>Reproductive toxicity</b>                              | Due to partial or complete lack of data the classification is not possible. |              |
| <b>Specific target organ toxicity - single exposure</b>   | Due to partial or complete lack of data the classification is not possible. |              |
| <b>Specific target organ toxicity - repeated exposure</b> | Due to partial or complete lack of data the classification is not possible. |              |
| <b>Aspiration hazard</b>                                  | Due to partial or complete lack of data the classification is not possible. |              |

## 12. Ecological information

**Ecotoxicity** The product is not classified as environmentally hazardous. However, this does not exclude the possibility that large or frequent spills can have a harmful or damaging effect on the environment.

| Product         | Species      | Test Results                        |
|-----------------|--------------|-------------------------------------|
| Grigg Turftopia |              |                                     |
| <b>Aquatic</b>  |              |                                     |
| Crustacea       | EC50 Daphnia | 13675.8965 mg/l, 48 hours estimated |
| Fish            | LC50 Fish    | 21368.1621 mg/l, 96 hours estimated |

**Persistence and degradability** No data is available on the degradability of any ingredients in the mixture.

**Bioaccumulative potential**

**Mobility in soil** No data available.

**Other adverse effects** The product contains volatile organic compounds which have a photochemical ozone creation potential.

## 13. Disposal considerations

**Disposal instructions** Collect and reclaim or dispose in sealed containers at licensed waste disposal site.

**Local disposal regulations** Dispose in accordance with all applicable regulations.

**Hazardous waste code** The waste code should be assigned in discussion between the user, the producer and the waste disposal company.

**Waste from residues / unused products** Dispose of in accordance with local regulations. Empty containers or liners may retain some product residues. This material and its container must be disposed of in a safe manner (see: Disposal instructions).

**Contaminated packaging** Since emptied containers may retain product residue, follow label warnings even after container is emptied. Empty containers should be taken to an approved waste handling site for recycling or disposal.

## 14. Transport information

### TDG

Not regulated as dangerous goods.

### IATA

Not regulated as dangerous goods.

### IMDG

Not regulated as dangerous goods.

**Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code** Not established.

## 15. Regulatory information

**Canadian regulations** This product has been classified in accordance with the hazard criteria of the HPR and the SDS contains all the information required by the HPR.

### Controlled Drugs and Substances Act

Not regulated.

### Export Control List (CEPA 1999, Schedule 3)

Not listed.

### Greenhouse Gases

Not listed.

### Precursor Control Regulations

Not regulated.

### International regulations

#### Stockholm Convention

Not applicable.

#### Rotterdam Convention

Not applicable.

#### Kyoto protocol

Not applicable.

#### Montreal Protocol

Not applicable.

#### Basel Convention

Not applicable.

### International Inventories

| Country(s) or region        | Inventory name   | On inventory (yes/no)* |
|-----------------------------|--|------------------------|
| Australia                   | Australian Inventory of Chemical Substances (AICS)                     | No                     |
| Canada                      | Domestic Substances List (DSL)   | No                     |
| Canada                      | Non-Domestic Substances List (NDSL)                                    | No                     |
| China                       | Inventory of Existing Chemical Substances in China (IECSC)             | No                     |
| Europe                      | European Inventory of Existing Commercial Chemical Substances (EINECS) | No                     |
| Europe                      | European List of Notified Chemical Substances (ELINCS)                 | No                     |
| Japan                       | Inventory of Existing and New Chemical Substances (ENCS)               | No                     |
| Korea                       | Existing Chemicals List (ECL)  | No                     |
| New Zealand                 | New Zealand Inventory  | Yes                    |
| Philippines                 | Philippine Inventory of Chemicals and Chemical Substances (PICCS)      | No                     |
| Taiwan                      | Taiwan Chemical Substance Inventory (TCSI)                             | No                     |
| United States & Puerto Rico | Toxic Substances Control Act (TSCA) Inventory                          | No                     |

\*A "Yes" indicates that all components of this product comply with the inventory requirements administered by the governing country(s)

A "No" indicates that one or more components of the product are not listed or exempt from listing on the inventory administered by the governing country(s).

## 16. Other information

**Issue date** 01-10-2024

**Revision date** 01-10-2024

**Version #**

02

**Disclaimer**

The information provided in this Safety Data Sheet is correct to the best of Manufacturer's knowledge, information and belief at the date of its publication; however, it is provided only as a guidance for safe handling, use, processing, storage, transportation, disposal and release of the Product. No warranties of any kind, either expressed or implied, including warranties of merchantability or fitness for a particular purpose, are made with respect to the Product or the information provided herein, or that the Product or information herein may be used without infringing the intellectual property rights of others. The information provided in this Safety Data Sheet relates only to the specific Product designated and may not be valid if the Product is used in combination with other materials or in any other process, unless specified herein. The user assumes all risk and liability for loss, injury, damage or expense due to any use, handling, storage or disposal of the Product, and Manufacturer recommends that the user conducts its own tests of the Product to determine suitability of the Product for user's particular use.

**Revision information**

Product and Company Identification: Product and Company Identification