



# SAFETY DATA SHEET

Floral Blossoms™ Plant Nutrient (7-5-3)

## Section 1. Identification

**GHS product identifier:** Floral Blossoms™

**Other means of identification:** Hydroponic nutrient solution containing 7 % nitrogen (N), 5 % phosphate ( $P_2O_5$ ) and 3 % potash ( $K_2O$ ) in an aqueous solution.

**Identified uses:** Hydroponic plant nutrient.

**Supplier's details:**

**Bloom Boss Nutrients Ltd.**

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**Emergency telephone number (24 / 7):** CHEMTREC U.S.: 1-800-424-9300 –

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**Product type:** Liquid.

## Section 2. Hazards identification

**OSHA/HCS status:** While this material is *not considered hazardous* under the OSHA Hazard Communication Standard (29 CFR 1910.1200), this SDS contains valuable information critical to the safe handling and proper use of the product. This SDS should be retained and made available to employees and other users of this product.

**Classification of the substance or mixture:** Not classified.

### GHS label elements

- **Signal word:** None required.
- **Hazard statements:** No known significant effects or critical hazards.
- **Precautionary statements:**
  - **Prevention:** Not applicable.
  - **Response:** Not applicable.
  - **Storage:** Not applicable.
  - **Disposal:** Not applicable.

**Hazards not otherwise classified (HNOC):** None known.

## Section 3. Composition/information on ingredients

**Substance/mixture:** Mixture.

**Other means of identification:** A mixture of plant-nutrition minerals in aqueous solution.

This nutrient blend contains approximately 7 % total nitrogen, 5 % available phosphate (as  $P_2O_5$ ), and 3 % soluble potash (as  $K_2O$ ). Trace amounts of micronutrients (such as magnesium, sulfur, boron, manganese, zinc and copper) may also be present to support plant growth. None of the components are present at concentrations that would require reporting under the Hazard Communication Standard.

## Section 4. First-aid measures

### Description of necessary first-aid measures

- **Eye contact:** Immediately flush eyes with plenty of water, occasionally lifting the upper and lower eyelids. Remove contact lenses if present and easy to do. Seek medical attention if irritation occurs.
- **Inhalation:** Remove victim to fresh air and keep at rest in a position comfortable for breathing. Seek medical attention if symptoms occur.
- **Skin contact:** Wash affected skin with soap and plenty of water. Seek medical attention if irritation develops.

## Section 4. First-aid measures

- **Ingestion:** Rinse mouth. If the exposed person is conscious, give small quantities of water to drink. Do **not** induce vomiting unless directed to do so by medical personnel. Seek medical attention if symptoms occur.

**Most important symptoms/effects, acute and delayed:** No known significant symptoms or critical health effects are expected from normal use.

**Indication of immediate medical attention and special treatment needed, if necessary:** Treat symptomatically. Contact a poison treatment specialist immediately if large quantities have been ingested or inhaled.

## Section 5. Fire-fighting measures

### Extinguishing media

- **Suitable extinguishing media:** Use an extinguishing agent suitable for the surrounding fire.
- **Unsuitable extinguishing media:** None known.

**Specific hazards arising from the chemical:** This product is non-flammable. In a fire, decomposition may produce sulfur oxides, phosphorus oxides and metal oxides.

## Section 5. Fire-fighting measures

**Special protective actions for fire-fighters:** No special measures required. Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive-pressure mode.

## Section 6. Accidental release measures

**Personal precautions, protective equipment and emergency procedures:** Wear appropriate personal protective equipment. Avoid contact with spilled material.

**Environmental precautions:** Avoid dispersal of spilled material and runoff into soil, waterways, drains and sewers. Notify the appropriate authorities if the product has caused environmental pollution.

**Methods and materials for containment and cleaning up:** Stop leak if it can be done without risk. Move containers from spill area. Contain and collect spillage with non-combustible absorbent materials (e.g., sand, earth, vermiculite) and place in a container for disposal according to local regulations. Flush spill area with water.

## Section 7. Handling and storage

**Precautions for safe handling:** Wear appropriate personal protective equipment (see Section 8). Avoid contact with eyes, skin and clothing. Do not ingest. Observe good industrial hygiene practices; wash hands, forearms and face after handling chemical products and before eating, drinking or smoking.

**Conditions for safe storage, including incompatibilities:** Keep in the original container, tightly closed and sealed when not in use. Store in a cool, dry, well-ventilated area away from incompatible materials (strong oxidizers) and food or drink. Protect from direct sunlight and temperatures below freezing. Containers that have been opened must be carefully resealed and kept upright to prevent leakage.

## Section 8. Exposure controls/personal protection

**Control parameters:** No occupational exposure limits are available for the components of this product.

**Appropriate engineering controls:** Good general ventilation should be sufficient to control worker exposure to airborne contaminants.

### Individual protection measures

- **Hygiene measures:** Wash hands, forearms and face thoroughly after handling chemicals and before eating, drinking, smoking or using the lavatory.
- **Eye/face protection:** Safety eyewear complying with an approved standard should be used if there is a risk of splashing.
- **Skin protection:** Use chemical-resistant gloves and protective clothing when handling concentrated solutions.
- **Respiratory protection:** Not required under normal conditions of use. If aerosol generation is likely, use a properly fitted respirator with appropriate filters.

## Section 9. Physical and chemical properties

- **Appearance:** Liquid.
- **Color:** Violet to deep pink.
- **Odor:** Odorless.
- **Odor threshold:** Not available.
- **pH:** Approximately 3.5.
- **Melting point/freezing point:** ~ -1 °C (30 °F).
- **Boiling range:** Not determined (water-based solution).
- **Flash point:** Not applicable.
- **Evaporation rate:** Not available.
- **Flammability:** Not applicable (non-flammable aqueous solution).
- **Lower and upper explosive limits:** Not applicable.
- **Vapor pressure:** Not available.
- **Vapor density:** Not available.
- **Relative density:** ~ 1.16 (g/cm³).

## Section 9. Physical and chemical properties

- **Solubility:** Completely soluble in water.
- **Partition coefficient (n-octanol/water):** Not available.
- **Auto-ignition temperature:** Not available.
- **Decomposition temperature:** Not available.
- **Viscosity:** Not available.

## Section 10. Stability and reactivity

- **Reactivity:** No specific test data is available for this product; however, it presents no special reactivity hazards.
- **Chemical stability:** Stable under recommended storage and handling conditions.
- **Possibility of hazardous reactions:** Hazardous polymerization does not occur.
- **Conditions to avoid:** Extreme temperatures, direct sunlight, freezing.
- **Incompatible materials:** Strong oxidizing agents.
- **Hazardous decomposition products:** None expected under normal conditions of storage and use.

## Section 11. Toxicological information

No adverse health effects are expected when the product is used as directed. Inhalation, ingestion, skin contact and eye contact are not anticipated to cause significant acute or chronic toxicity. However, ingestion of large quantities may cause gastrointestinal discomfort.

## Section 12. Ecological information

No data is currently available for this product. Based on similar hydroponic nutrient solutions, it is not expected to pose a significant hazard to the environment if used in accordance with directions. Avoid uncontrolled release to the environment.

## Section 13. Disposal considerations

The generation of waste should be avoided or minimized wherever possible. Disposal of this product, solutions and any by-products should comply with the requirements of environmental protection and waste disposal legislation. Dispose of unused product and contaminated packaging via a licensed waste disposal contractor. Do not dispose of directly to sewer systems. Empty containers may retain product residues; triple rinse prior to disposal or recycling.

## Section 14. Transport information

**DOT classification:** Not regulated.

**IMDG/IATA:** Not regulated.

This product is not classified as dangerous goods for transport.

## Section 15. Regulatory information

This mixture contains only components that are either listed on or exempted from the U.S. EPA TSCA inventory. It does not contain ingredients listed under SARA Sections 302/304 or Section 313 and is not subject to the reporting requirements of these sections.

## Section 16. Other information

**Date of preparation:** December 22 2023

**Version:** 1

This Safety Data Sheet is prepared in accordance with OSHA HazCom 2012 and is intended to provide guidance on the safe handling of this product. It is not intended to convey any warranty or guarantee of product performance. Users should consult applicable federal, state and local regulations and perform their own assessment to ensure compliance.

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