# SAFETY DATA SHEET

| SECTION 1: IDENTIFICATION OF THE MIXTURE AND OF THE COMPANY | | | |
|---|---|---|---|
| **Product Identifier** | **GROTEK SOLO-TEK BLOOM 3-8-8** | | |
| **Product Use** | Plant fertilizer | | |
| **Uses restrictions** | Do not use for purposes other than those listed on the product label | | |
| **Manufacturer Information** | Company Name | Greenstar Plant Products Inc. | |
| | Address | 9430-198TH Street, Langley, BC Canada V1M3C8 | |
| | Phone Number | 604-882-7699 | |
| | Email | | info@getgreenstar.com |
| **Emergency Phone Number** | 604-882-7699 | | |

| SECTION 2: HAZARDS IDENTIFICATION | | |
|---|---|---|
| **GHS CLASSIFICATION** | | |
| **HazCom 2012 GHS** | Eye damage Category 1<br>Skin irritation Category 2 | |
| **WHMIS 2015** | Eye damage Category 1<br>Skin irritation Category 2 | |
| HAZARD SYMBOL & SIGNAL WORD | HAZARD STATEMENTS | PRECAUTIONARY STATEMENTS |
| <br>DANGER | H314: Causes serious eye damage<br><br>H315: Causes skin irritation | P280: Wear protective gloves and eye protection / face protection<br>P264: Wash hands and exposed skin thoroughly after handling<br>P305+P351+P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a doctor<br>P302+352: IF ON SKIN: Wash with plenty of water.<br>P332+313: If skin irritation occurs, get medical advice / attention.<br>P362+364: Take off contaminated clothing and wash it before reuse |
| To the current knowledge of the supplier, this product contains no other components or impurities, in the concentrations applicable, that are classified as hazardous to health or the environment or influence the classification of this product | | |
| **Other Hazards** | Ingested nitrate can alter the blood's ability to carry oxygen leading to methemoglobinemia. Symptoms include blue lips or fingernails and blue skin. Effects may be delayed | |



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# SAFETY DATA SHEET

## *GROTEK SOLO-TEK BLOOM 3-8-8*

### SECTION 3: HAZARDOUS INGREDIENTS

| Substance name | CAS# | Percent |
|---|---|---|
| Potassium nitrate | 7757-79-1 | 6% |
| Calcium nitrate | 10124-37-5 | 17% |

### SECTION 4: FIRST AID MEASURES

First aid should only be administered by trained personnel. Always assess the environment for immediate dangers before entering the area

| | |
|---|---|
| EYE CONTACT | Rinse with a large gentle stream of water for a minimum for 15 minutes. Remove contact lenses, if present and easy to do so after 5 minutes. Continue rinsing. Get immediate medical attention |
| SKIN CONTACT | Wash with soap and water and rinse with plenty of clean water. If irritation persists, seek medical advice/attention |
| INHALATION | Remove victim to fresh air. Seek medical attention. Effects may be delayed |
| INGESTION | If swallowed, DO NOT INDUCE VOMITING unless directed to do so by medical personnel. If vomiting occurs, have victim lean forward with head down to avoid breathing in vomit. Call a doctor if you feel unwell. Seek immediate medical attention if large quantities of this material have been swallowed |

**Most important symptoms and effects, both acute and delayed**

Corrosive to eyes and irritating to skin. Mists may be irritating to respiratory tract. Ingestion of nitrates may interfere with blood's ability to carry oxygen leading to methemoglobinemia. Symptoms include headache, fatigue, dizziness, blue lips, fingernails and skin. Higher levels can cause trouble breathing, and collapse

**Indication of any immediate medical attention and special treatment needed**

Treat symptomatically.

### SECTION 5: FIRE FIGHTING MEASURES

| | |
|---|---|
| Flammable | Will not burn or support combustion |
| Suitable extinguishing media | Use an extinguishing agent suitable for the surrounding fire. |
| Unsuitable extinguishing media | None known |
| Hazardous Combustion Products | Not available |

**Advice for fire-fighters**

| | |
|---|---|
| Special protective equipment for firefighters | Self-contained breathing apparatus and full protective clothing should be worn when fighting chemical fires |
| Special fire fighting procedures | In the event of fire, use water spray to cool closed containers and knock-down toxic gases |



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# SAFETY DATA SHEET

## *GROTEK SOLO-TEK BLOOM 3-8-8*

| | | |
|---|---|---|
| **SECTION 6: ACCIDENTAL REALEASE MEASURES** | | |
| SPILL & LEAK PROCEDURES | Wear personal protection equipment outlined in SECTION 8. Ventilate area. Adsorb spill then shovel or sweep spilled material into dry labeled containers for disposal. Avoid the generation of mists. Flush area with water after clean-up<br>Product is a plant nutrient and can contribute to overgrowth of aquatic vegetation and the subsequence eutrophication of lakes. Do not allow product to enter storm sewers, sanitary sewers, groundwater or soil | |
| **SECTION 7: HANDLING AND STORAGE** | | |
| Precautions for safe handling | Avoid contact with eyes, skin and clothing. Wear personal protection equipment outlined in SECTION 8 when handling. Avoid the generation of mists | |
| Conditions for safe storage, including incompatibilities | Store in tightly closed containers in a cool, dry, well ventilated area away. | |
| Environmental precautions | Product is a plant nutrient and can contribute to overgrowth of aquatic vegetation and the subsequence eutrophication of lakes. Do not allow product to enter storm sewers, sanitary sewers, groundwater or soil. | |
| **SECTION 8: EXPOSURE CONTROLS / PERSONAL PROTECTION** | | |
| **Exposure controls** | | |
| Occupational exposure limits | No specific limits established | |
| Recommended monitoring procedures | Monitor workplace air quality to determine the effectiveness of the ventilation or other control measures and / or the necessity to use respiratory protective equipment | |
| Engineering controls | No specific ventilation requirements. Provide appropriate exhaust ventilation at places where mists / aerosols may be formed | |
| **Personal protection equipment** | | |
| Hygiene measures | Wash hands, forearms and face thoroughly after handling, before eating, smoking and using the toilet and at the end of the work day. Ensure that eyewash stations and safety showers are close to the workstation area | |
| Eye / Face Protection | Wear safety goggles or face shield when handling this product | |
| Skin protection | Hand protection | Nitrile, latex or PVC gloves |
| | Body protection | Wear long sleeved shirt and pants when handling this product |
| Respiratory protection | Use NIOSH approved respirator during a fire or in poorly ventilated areas | |
| Environmental exposure controls | Avoid release to the environment | |



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# SAFETY DATA SHEET

## *GROTEK SOLO-TEK BLOOM 3-8-8*

### SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

| | | | | | |
|---|---|---|---|---|---|
| **Physical state** | Viscous liquid | **Colour** | Dark brown / black | **Odour** | NAV |
| **pH** | NAV | **Density** | NAV | **Odour threshold** | NAV |
| **Flammability** | Not flammable | **Melting point** | NAV | **Boiling point** | NAV |
| **Specific gravity** | NAV | **Melting point** | NAV | **Decomposition temperature** | NAV |
| **Viscosity** | NAV | **Solubility in water** | Product is a suspension | **Viscosity** | NAV |

### SECTION 10: STABILITY AND REACTIVITY

| | |
|---|---|
| **Reactivity** | Not reactive under normal conditions of use and storage |
| **Chemical stability** | Stable under normal conditions of use and storage |
| **Possibility of hazardous reactions** | NAV |
| **Conditions to avoid** | NAV |
| **Incompatibility** | NAV |
| **Hazardous decomposition products** | Not available |

### SECTION 11: TOXICOLOGICAL INFORMATION

**Information on Toxicological effects**

| | |
|---|---|
| Acute Toxicity | Does not meet criteria |
| Irritation/ Corrosion | Corrosive to eyes. Irritating to skin. May cause respiratory and gastrointestinal tract irritation |
| Sensitization | No data available |
| Carcinogenicity | Ingredients not listed by ACGIH, IARC, and NTP as suspected or probable carcinogens. Nitrates or nitrites (ingested) under conditions that result in endogenous nitrosation are classed as 2A (probable human carcinogen) by IARC |
| Mutagenicity | NAV |
| Reproductive toxicity | NAV |
| Repeated dose toxicity | NAV |



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# SAFETY DATA SHEET

## *GROTEK SOLO-TEK BLOOM 3-8-8*

### SECTION 12: ECOLOGICAL INFORMATION

| | |
|---|---|
| **Magnesium nitrate:** | NAV |
| **Calcium nitrate:** | Not acutely toxic to fish and nematodes, and flatworms |
| **Ammonium nitrate:** | NAV |
| **Potassium nitrate:** | NAV |

**Persistence and degradability**

NAV

**Bioaccumulative potential**

NAV

**Mobility in soil**

NAV

| | |
|---|---|
| **Other adverse effects** | Product is a plant nutrient and can contribute to overgrowth of aquatic vegetation Do not allow product to enter storm sewers, sanitary sewers, groundwater or soil. |

### SECTION 13: DISPOSAL CONSIDERATIONS

Dispose of this product and / or its container in accordance with Federal, provincial, state and local regulations. Do not allow product to enter sewers or the environment.

### SECTION 14: TRANSPORT INFORMATION

| | | |
|---|---|---|
| **SHIPPING** | TDG | Not a dangerous good for transport |
| | DOT | Not a dangerous good for transport |

### SECTION 15: REGULATORY INFORMATION

This product has been classified in accordance with WHMIS 2015 and OSHA HazCom 2012

DSL: all components of this product are on Canada's DSL list

TSCA: all components of this product are on US EPA's TSCA Chemical Substances Inventory

### SECTION 16: OTHER INFORMATION

As of the date of this document, the foregoing information is believed to be accurate and is provided in good faith to comply with applicable laws. However, no warranty or representation of law or fact, with respect to such Information is intended or given

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