

# SAFETY DATA SHEET

## 1. Identification

Product identifier

NEXT LEVEL GROW A SOLUBLE

Recommended use

Agricultural / Horticultural Use- Micronutrient Fertilizer- Refer to product label.

Recommended restrictions

Refer to product label.

Company name

Next Level Horticulture LLC

Address

1312 17th Street Suite 572  
Denver, CO 80202

Telephone

During Business Hours

1-303-956-9349

Emergency phone number

CHEMTREC

1-800-424-9300

## 2. Hazard(s) identification

Physical hazards

Not classified.

Health hazards

Acute toxicity, oral

Category 4

Serious eye damage/eye irritation

Category 2A

Environmental hazards

Not classified.

OSHA defined hazards

Not classified.

Label elements



Signal word

Warning

Hazard statement

Harmful if swallowed. Causes serious eye irritation.

Precautionary statement

Prevention

Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Wash thoroughly after handling. Do not eat, drink or smoke when using this product. Wear protective gloves/protective clothing/eye protection/face protection.

Response

If swallowed: Call a poison center/doctor if you feel unwell. Rinse mouth. If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If exposed or concerned: Get medical advice/attention. If eye irritation persists: Get medical advice/attention.

Storage

Store locked up.

Disposal

Dispose of contents/container in accordance with local/regional/national/international regulations.

Hazard(s) not otherwise classified (HNOC)

None known.

Supplemental information

None.

### 3. Composition/information on ingredients

#### Mixtures

| Chemical name     | CAS number |
|-------------------|------------|
| Potassium Nitrate | 7757-79-1  |
| Calcium Nitrate   | 10124-37-5 |
| Magnesium Nitrate | 13446-18-9 |
| Iron DTPA         | 12389-75-2 |

Other components below reportable levels

### 4. First-aid measures

|  |   |
|--|---|
| Inhalation   | Move to fresh air. Call a physician if symptoms develop or persist.   |
| Skin contact   | Wash off with soap and water. Get medical attention if irritation develops and persists.  |
| Eye contact  | Do not rub eyes. Immediately flush eyes with plenty of water for at least 15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Get medical attention if irritation develops and persists.  |
| Ingestion  | Rinse mouth. If vomiting occurs, keep head low so that stomach content doesn't get into the lungs. Get medical advice/attention if you feel unwell.   |
| Most important symptoms/effects, acute and delayed                     | Severe eye irritation. Symptoms may include stinging, tearing, redness, swelling, and blurred vision. Dusts may irritate the respiratory tract, skin and eyes.  |
| Indication of immediate medical attention and special treatment needed | Provide general supportive measures and treat symptomatically. Keep victim warm. Keep victim under observation. Symptoms may be delayed.  |
| General information  | IF exposed or concerned: Get medical advice/attention. If you feel unwell, seek medical advice (show the label where possible). Ensure that medical personnel are aware of the material(s) involved, and take precautions to protect themselves. Show this safety data sheet to the doctor in attendance. |

### 5. Fire-fighting measures

|   |   |
|---|---|
| Suitable extinguishing media                                  | Water fog. Foam. Dry chemical powder. Carbon dioxide (CO <sub>2</sub> ).                      |
| Unsuitable extinguishing media                                | Do not use water jet as an extinguisher, as this will spread the fire.                        |
| Specific hazards arising from the chemical                    | During fire, gases hazardous to health may be formed.   |
| Special protective equipment and precautions for firefighters | Self-contained breathing apparatus and full protective clothing must be worn in case of fire. |
| Fire fighting equipment/instructions                          | Use water spray to cool unopened containers.  |
| Specific methods  | Use standard firefighting procedures and consider the hazards of other involved materials.    |
| General fire hazards  | No unusual fire or explosion hazards noted.   |

### 6. Accidental release measures

|   |  |
|---|--|
| Personal precautions, protective equipment and emergency procedures | Keep unnecessary personnel away. Keep people away from and upwind of spill/leak. Wear appropriate protective equipment and clothing during clean-up. Use a NIOSH/MSHA approved respirator if there is a risk of exposure to dust/fume at levels exceeding the exposure limits. Do not touch damaged containers or spilled material unless wearing appropriate protective clothing. Ensure adequate ventilation. Local authorities should be advised if significant spillages cannot be contained. For personal protection, see section 8 of the SDS. |
|---|--|

|  |   |
|--|---|
| <b>Methods and materials for containment and cleaning up</b> | <p>Avoid the generation of dusts during clean-up. Collect dust using a vacuum cleaner equipped with HEPA filter. Stop the flow of material, if this is without risk.</p> <p>Large Spills: Wet down with water and dike for later disposal. Shovel the material into waste container. Absorb in vermiculite, dry sand or earth and place into containers. Following product recovery, flush area with water.</p> <p>Small Spills: Sweep up or vacuum up spillage and collect in suitable container for disposal. Wipe up with absorbent material (e.g. cloth, fleece). Clean surface thoroughly to remove residual contamination.</p> <p>Never return spills to original containers for re-use. For waste disposal, see section 13 of the SDS.</p> |
| <b>Environmental precautions</b>                             | Avoid discharge into drains, water courses or onto the ground.  |

## 7. Handling and storage

|   |   |
|---|---|
| <b>Precautions for safe handling</b>                                | Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Minimize dust generation and accumulation. Provide appropriate exhaust ventilation at places where dust is formed. Do not taste or swallow. Avoid contact with eyes. Avoid prolonged exposure. When using, do not eat, drink or smoke. Pregnant or breastfeeding women must not handle this product. Should be handled in closed systems, if possible. Wear appropriate personal protective equipment. Wash hands thoroughly after handling. Observe good industrial hygiene practices. |
| <b>Conditions for safe storage, including any incompatibilities</b> | Store locked up. Store in original tightly closed container. Store in a well-ventilated place. Store away from incompatible materials (see Section 10 of the SDS).  |

## 8. Exposure controls/personal protection

Occupational exposure limits see

- \* US. OSHA Table Z-1 Limits for Air Contaminants (29 CFR 1910.1000)
- \* US. ACGIH Threshold Limit Values
- \* US. NIOSH: Pocket Guide to Chemical Hazards
- \* US. AIHA Workplace Environmental Exposure Level (WEEL) Guides

|   |  |
|---|--|
| <b>Biological limit values</b>          | No biological exposure limits noted for the ingredient(s).   |
| <b>Appropriate engineering controls</b> | Good general ventilation (typically 10 air changes per hour) 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. If engineering measures are not sufficient to maintain concentrations of dust particulates below the Occupational Exposure Limit (OEL), suitable respiratory protection must be worn. If material is ground, cut, or used in any operation which may generate dusts, use appropriate local exhaust ventilation to keep exposures below the recommended exposure limits. Provide eyewash station. |

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

|                                       |   |
|---------------------------------------|---|
| <b>Eye/face protection</b>            | Chemical respirator with organic vapor cartridge, full facepiece, dust and mist filter.   |
| <b>Skin protection</b>                |   |
| <b>Hand protection</b>                | Wear appropriate chemical resistant gloves. Suitable gloves can be recommended by the glove supplier.   |
| <b>Other</b>                          | Wear suitable protective clothing. Use of an impervious apron is recommended.   |
| <b>Respiratory protection</b>         | Use a NIOSH/MSHA approved respirator if there is a risk of exposure to dust/fume at levels exceeding the exposure limits. Chemical respirator with organic vapor cartridge, full facepiece, dust and mist filter.   |
| <b>Thermal hazards</b>                | Wear appropriate thermal protective clothing, when necessary.   |
| <b>General hygiene considerations</b> | Observe any medical surveillance requirements. Keep away from food and drink. 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>                                   | Powder.        |
| <b>Physical state</b>                               | Solid.         |
| <b>Form</b>   | Powder.        |
| <b>Color</b>  | Light brown    |
| <b>Odor</b>   | Not available. |
| <b>Odor threshold</b>                               | Not available. |
| <b>pH</b>   | Not available. |
| <b>Melting point/freezing point</b>                 | Not available. |
| <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 available. |
| <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>                               | Not available. |
| <b>Vapor density</b>                                | Not available. |
| <b>Relative density</b>                             | Not available. |
| <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. |

## 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>   | Dust may irritate respiratory system. Prolonged inhalation may be harmful.   |
| <b>Skin contact</b>   | Dust or powder may irritate the skin.  |
| <b>Eye contact</b>  | Causes serious eye irritation.   |
| <b>Ingestion</b>  | Harmful if swallowed.  |
| <b>Symptoms related to the physical, chemical and toxicological characteristics</b> | Severe eye irritation. Symptoms may include stinging, tearing, redness, swelling, and blurred vision. Dusts may irritate the respiratory tract, skin and eyes. |

### Information on toxicological effects

|                       |                       |
|-----------------------|-----------------------|
| <b>Acute toxicity</b> | Harmful if swallowed. |
|-----------------------|-----------------------|

|                                  |  |
|----------------------------------|--|
| <b>Skin corrosion/irritation</b> | Prolonged skin contact may cause temporary irritation. |
|----------------------------------|--|

|  |                                |
|--|--------------------------------|
| <b>Serious eye damage/eye irritation</b> | Causes serious eye irritation. |
|--|--------------------------------|

### Respiratory or skin sensitization

|                                  |                               |
|----------------------------------|-------------------------------|
| <b>Respiratory sensitization</b> | Not a respiratory sensitizer. |
|----------------------------------|-------------------------------|

|                           |   |
|---------------------------|---|
| <b>Skin sensitization</b> | This product is not expected to cause skin sensitization. |
|---------------------------|---|

|                               |  |
|-------------------------------|--|
| <b>Germ cell mutagenicity</b> | No data available to indicate product or any components present at greater than 0.1% are mutagenic or genotoxic. |
|-------------------------------|--|

|                        |   |
|------------------------|---|
| <b>Carcinogenicity</b> | This product is not considered to be a carcinogen by IARC, ACGIH, NTP, or OSHA. |
|------------------------|---|

### IARC Monographs. Overall Evaluation of Carcinogenicity

Not listed.

### OSHA Specifically Regulated Substances (29 CFR 1910.1001-1050)

Not regulated.

### US. National Toxicology Program (NTP) Report on Carcinogens

Not listed.

|                              |  |
|------------------------------|--|
| <b>Reproductive toxicity</b> | Suspected of damaging fertility or the unborn child. |
|------------------------------|--|

|   |                 |
|---|-----------------|
| <b>Specific target organ toxicity - single exposure</b> | Not classified. |
|---|-----------------|

|   |                 |
|---|-----------------|
| <b>Specific target organ toxicity - repeated exposure</b> | Not classified. |
|---|-----------------|

|                          |                           |
|--------------------------|---------------------------|
| <b>Aspiration hazard</b> | Not an aspiration hazard. |
|--------------------------|---------------------------|

|                        |                                      |
|------------------------|--------------------------------------|
| <b>Chronic effects</b> | Prolonged inhalation may be harmful. |
|------------------------|--------------------------------------|

## 12. Ecological information

|                    |  |
|--------------------|--|
| <b>Ecotoxicity</b> | 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. |
|--------------------|--|

|                                      |  |
|--------------------------------------|--|
| <b>Persistence and degradability</b> | No data is available on the degradability of this product. |
| <b>Bioaccumulative potential</b>     |  |

|                         |                    |
|-------------------------|--------------------|
| <b>Mobility in soil</b> | No data available. |
|-------------------------|--------------------|

|                              |   |
|------------------------------|---|
| <b>Other adverse effects</b> | No other adverse environmental effects (e.g. ozone depletion, photochemical ozone creation potential, endocrine disruption, global warming potential) are expected from this component. |
|------------------------------|---|

### 13. Disposal considerations

|  |  |
|--|--|
| <b>Disposal instructions</b>                 | Collect and reclaim or dispose in sealed containers at licensed waste disposal site. Dispose of contents/container in accordance with local/regional/national/international regulations.                         |
| <b>Local disposal regulations</b>            | Dispose in accordance with all applicable regulations.   |
| <b>Hazardous waste code</b>                  | The waste code should be assigned in discussion between the user, the producer and the waste disposal company.   |
| <b>Waste from residues / unused products</b> | 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). |
| <b>Contaminated packaging</b>                | 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

#### DOT

Not regulated as dangerous goods.

#### IATA

Not regulated as dangerous goods.

#### IMDG

Not regulated as dangerous goods.

### 15. Regulatory information

#### US federal regulations

**TSCA Section 12(b) Export Notification (40 CFR 707, Subpt. D)**

**CERCLA Hazardous Substance List (40 CFR 302.4)**

**SARA 304 Emergency release notification**

**OSHA Specifically Regulated Substances (29 CFR 1910.1001-1050)**

#### Superfund Amendments and Reauthorization Act of 1986 (SARA)

|                          |  |
|--------------------------|--|
| <b>Hazard categories</b> | Immediate Hazard - Yes<br>Delayed Hazard - Yes<br>Fire Hazard - No<br>Pressure Hazard - No<br>Reactivity Hazard - No |
|--------------------------|--|

**SARA 302 Extremely hazardous substance Not Listed**

**SARA 311/312 Hazardous** No

**SARA 313 (TRI reporting)**

#### Other federal regulations

**Clean Air Act (CAA) Section 112 Hazardous Air Pollutants (HAPs) List**

**Clean Air Act (CAA) Section 112(r) Accidental Release Prevention (40 CFR 68.130)**

**Safe Drinking Water Act (SDWA)** Not regulated.

#### US state regulations

**US. California Controlled Substances. CA Department of Justice (California Health and Safety Code Section 11100)**

**US. Massachusetts RTK - Substance List**

**US. New Jersey Worker and Community Right-to-Know Act**

**US. Pennsylvania Worker and Community Right-to-Know Law**

**US. Rhode Island RTK**

**16. Other information, including date of preparation or last revision**

**Issue date** 9-10-2019

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.