ORGANIC

# KULA-N
## ADVANCED

NITROGEN-FIXING BACTERIA
MAY INCREASE SOIL FERTILITY

OMRI LISTED
For Organic Use - OMRI.org

REGISTERED ORGANIC INPUT MATERIAL cdfa

CERTIFIED BIOSTIMULANT

**Net Contents:**
30 oz / 887 mL

**Net Weight:**
1.95 lbs / 0.88 kg
8.34 lbs/gal at 68°F

**PURPOSE OF PRODUCT:** Kula-N Advanced contains nitrogen-fixing bacteria that, when applied to the root zone, may increase soil fertility.

**PRODUCT COMPATIBILITY:** Always wear appropriate personal protective equipment when handling or mixing. Perform a jar test before mixing with other products. Avoid chlorinated water, strong oxidizers, or extreme pH (<4 or >8). For questions on compatibility or mixing with other agrochemicals, consult your distributor or Kula Bio representative.

**STORAGE:** For long term storage, product is recommended to be kept refrigerated (39-43°F / 4-6°C). If stored at room temperature (65-73°F / 18-23°C), use within 1 week. Use immediately once opened. Store tightly closed in original container out of direct sunlight. Keep out of reach of children and animals.

**DISPOSAL:** Dispose of unused product in accordance with federal, provincial/state, and local waste disposal regulations.

**CAUTION:** This product contains live microorganisms and may cause adverse effects to persons with a compromised immune system. Use personal protective equipment as needed.

**CONTAINS BENEFICIAL SUBSTANCE(S)**

*Xanthobacter autotrophicus*. $1\times10^9$ CFU/mL

Information regarding the contents and levels of metals in this product is available on the internet at https://www.aapfco.org/metals.html

## DIRECTIONS FOR USE

Shake well before use. Apply 0.5-2 oz/ac per application directly to the root zone. Consult your Kula Bio or distributor representative for crop specific recommendations.

This 30 oz bottle provides the equivalent biological nitrogen activity of up to 400 lbs of N. 1 oz of Kula-Next Advanced produces the equivalent of up to 10-15 lbs of biological nitrogen. Actual coverage may vary depending on crop, soil, and management practices.

**Guaranteed By:**
Kula Bio, Inc.
6 Mercer Road
Natick, MA 01760
**www.kulabio.com**
**800-773-9686**

**BATCH ID:**
**USE BY:**

8 60010 24308 4

# KULA-NEXT
## ADVANCED

NITROGEN-FIXING BACTERIA
MAY INCREASE SOIL FERTILITY

CERTIFIED BIOSTIMULANT

**Net Contents:**
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**800-773-9686**

**BATCH ID:**
**USE BY:**

8 60010 24309 1

**Safety Data Sheet (SDS)**
Kula-N Advanced

## SECTION 1: IDENTIFICATION

**Product Name:** Kula-N Advanced
**Company Information:** Kula Bio, Inc.
6 Mercer Rd.
Natick, MA 01760

**Contact Information:** www.kulabio.com
(800) 773-9686

**Emergency Phone Number:** (800) 424-9300
(858) 945-3594

**Effective Date:** January 19, 2026

**Recommended Use:** A plant beneficial substance made of nitrogen-fixing bacteria that may increase soil fertility. For best results, apply via drip fertigation at regular intervals throughout the crop cycle.

## SECTION 2: HAZARD IDENTIFICATION

**Classification of the substance:**
Not a hazardous substance or mixture.
**GHS Label elements, including precautionary statements:**
Not a hazardous substance or mixture.
**Hazards not otherwise classified (HNOC) or not covered by GHS:**
Biosafety Level 1 – Mixture contains pure-cultures of a well-characterized, non-pathogenic organism not known to consistently cause disease in immunocompetent adult humans, and present minimal potential hazard to personnel and the environment.

## SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

The specific chemical identities and exact percentages of composition have been withheld as trade secrets.

| Substance Name | CAS Number / Unique Identifier | Concentration % by Weight | Classification |
|---|---|---|---|
| Pure culture of non-pathogenic, non-genetically modified soil microorganism | Confidential | 4% | BSL-1 |
| Other components | Confidential | 96% | Not hazardous |

## SECTION 4: FIRST AID MEASURES

| | |
|---|---|
| **If inhaled:** | Move person to fresh air. |
| **In case of skin contact:** | Wash with soap and plenty of water. |
| **In case of eye contact:** | Flush with clean water, remove contact lenses and continue flushing for at least 15 minutes. |
| **If swallowed:** | Rinse mouth with water. |

**Most important symptoms and effect, both acute and delayed:**
No data available.
**Recommendations for immediate medical care and special treatment:**
No data available.

## SECTION 5: FIRE FIGHTING MEASURES

| | |
|---|---|
| **Suitable extinguishing media** | Product is not flammable. Use fire-extinguishing media suitable for the surrounding environment and underlying cause of fire. |
| **Unsuitable extinguishing media** | No data available. |
| **Specific hazards arising from the chemical** | No data available. |
| **Protective equipment and precautions for firefighters** | No specific protective equipment or precautions known. |

## SECTION 6: ACCIDENTAL RELEASE MEASURES

**Personal precautions, protective equipment, and emergency procedures:**
Use personal protective equipment as needed.
**Environmental Precautions:**
None.
**Methods and materials for containment and cleanup:**
Sweep up and shovel into suitable containers for disposal. Avoid dust formation. Soak up with inert absorbent material. Keep in suitable, closed containers for disposal.

## SECTION 7: HANDLING AND STORAGE

**Precautions for safe handling:**
For precautions see section 2.
**Advice on general hygiene practices:**
Do not eat, drink, or smoke when using this product. Remove contaminated clothing and protective equipment before entering eating areas or restrooms.
**Recommendations on conditions for safe storage:**
For long term storage, product is recommended to be kept refrigerated (39-43°F / 4-6°C). If stored at room temperature (65-73°F / 18-23°C), use within 1 month. Use immediately once opened. Store tightly closed in original container out of direct sunlight. Keep out of reach of children and animals.
**Incompatible materials:**
No data available.

## SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

**Exposure limits:**
This product does not contain any substances with OSHA Permissible Exposure Limits (PELs) or ACGIH Threshold Limit Values (TLVs).
**Engineering controls:**
Use outdoors or in a facility with sufficient ventilation.
**Recommended personal protective measures:**
Water-proof gloves (e.g. nitrile, latex, vinyl) recommended for prolonged, repeated exposure to product. Safety glasses are recommended during handling to prevent eye contact. Wash hands and face prior to eating or drinking.
**Special requirements for personal protective equipment (PPE):**
Immunocompromised individuals should use personal protective equipment, such as gloves, long sleeves, eye protection, and a respirator, as needed.

## SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

| | |
|---|---|
| **Appearance** | Brownish-yellow liquid |
| **Flammability/explosive limits** | Not applicable |
| **Odor** | Rich, fertile soil with a soft, damp aroma |
| **Vapor pressure** | Data not available |
| **Odor threshold** | Data not available |
| **Vapor density** | Data not available |
| **pH** | 5 - 7 |
| **Relative density** | Data not available |
| **Melting point/freezing point*** | Data not available |
| **Solubility** | Soluble in water |
| **Initial boiling point/range*** | Data not available |
| **Flash point** | Not applicable |
| **Evaporation rate** | Data not available |
| **Flammability** | Not applicable |
| **Partition coefficient** (n-octanol/water) | Data not available |
| **Auto-ignition temperature** | Data not available |
| **Decomposition temperature** | Data not available |
| **Viscosity** | Data not available |

*Estimated based on theoretical calculations.

## SECTION 10: STABILITY AND REACTIVITY

**Reactivity:**
Not reactive under normal conditions of use.
**Chemical stability:**
Stable under recommended storage conditions.
**Hazardous polymerization, decomposition products:**
Will not occur; none.
**Biological contamination:**
Significant product darkening (physical appearance changes to dark brown/black opaque liquid) or other changes in physical appearance may indicate biological contamination. Contaminated product should be sterilized by adding sodium hypochlorite (bleach) to a concentration of 1%, allowing the product to sit for 30 min before disposing according to local guidance and regulations.

Minimize contamination by ensuring original container is closed when not in use. Sterilize surfaces that come into contact with the open container (pour spouts, transfer lines, etc.) with a 70% alcohol solution.

## SECTION 11: TOXICOLOGICAL INFORMATION

**Exposure routes:**
No acute toxicity or irritation through inhalation, ingestion, skin or eye contact.
**Effects from exposure:**
Short term exposure: no delayed, immediate, or chronic effects.
**Long term exposure:**
Full data not available. Current results do not indicate any effects from long term exposure.
**Toxicity:**
N/A
**Symptoms:**
N/A
This product does not contain substances listed in the National Toxicology Program (NTP) Report on Carcinogens (latest edition) or has been found to be a potential carcinogen in the International Agency for Research on Cancer (IARC) Monographs (latest editions) or found to be a potential carcinogen by OSHA.

## SECTION 12: ECOLOGICAL INFORMATION

This product contains naturally occurring, non-genetically modified, non-pathogenic (plant, animal, human) soil bacteria.

## SECTION 13: DISPOSAL CONSIDERATIONS

Dispose of unused product in accordance with federal, provincial/state, and local waste disposal regulations.

## SECTION 14: TRANSPORT INFORMATION

This product is not regulated as a hazardous material for transportation within the US by any means of transportation.

## SECTION 15: REGULATORY INFORMATION

This product is considered a plant amendment from the United States Environmental Protection Agency (EPA) and is thus, exempt from EPA registration. This product is registered for sale following state regulations.

## SECTION 16: OTHER INFORMATION

**Disclaimer:**
Kula Bio, Inc. believes that the information and recommendations contained herein (including data and statements) are accurate as of the date hereof. The information provided herein is to our best present knowledge correct and complete and is given in good faith but without warranty. The information relates only to the specified product designated and should not be construed as guaranteeing any specific property of the product where such product is used in combination with any other materials or in any processes.

**Safety Data Sheet (SDS)**
Kula-Next Advanced

## SECTION 1: IDENTIFICATION

**Product Name:** Kula-Next Advanced
**Company Information:** Kula Bio, Inc.
6 Mercer Rd.
Natick, MA 01760

**Contact Information:** www.kulabio.com
(800) 773-9686

**Emergency Phone Number:** (800) 424-9300
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**Recommended Use:** A plant beneficial substance made of nitrogen-fixing bacteria that may increase soil fertility. For best results, apply via drip fertigation at regular intervals throughout the crop cycle.

## SECTION 2: HAZARD IDENTIFICATION

**Classification of the substance:**
Not a hazardous substance or mixture.
**GHS Label elements, including precautionary statements:**
Not a hazardous substance or mixture.
**Hazards not otherwise classified (HNOC) or not covered by GHS:**
Biosafety Level 1 – Mixture contains pure-cultures of a well-characterized, non-pathogenic organism not known to consistently cause disease in immunocompetent adult humans, and present minimal potential hazard to personnel and the environment.

## SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

The specific chemical identities and exact percentages of composition have been withheld as trade secrets.

| Substance Name | CAS Number / Unique Identifier | Concentration % by Weight | Classification |
|---|---|---|---|
| Pure culture of non-pathogenic, non-genetically modified soil microorganism | Confidential | 6.06% | BSL-1 |
| Other components | Confidential | 93.94% | Not hazardous |

## SECTION 4: FIRST AID MEASURES

| | |
|---|---|
| **If inhaled:** | Move person to fresh air. |
| **In case of skin contact:** | Wash with soap and plenty of water. |
| **In case of eye contact:** | Flush with clean water, remove contact lenses and continue flushing for at least 15 minutes. |
| **If swallowed:** | Rinse mouth with water. |

**Most important symptoms and effect, both acute and delayed:**
No data available.
**Recommendations for immediate medical care and special treatment:**
No data available.

## SECTION 5: FIRE FIGHTING MEASURES

| | |
|---|---|
| **Suitable extinguishing media** | Product is not flammable. Use fire-extinguishing media suitable for the surrounding environment and underlying cause of fire. |
| **Unsuitable extinguishing media** | No data available. |
| **Specific hazards arising from the chemical** | No data available. |
| **Protective equipment and precautions for firefighters** | No specific protective equipment or precautions known. |

## SECTION 6: ACCIDENTAL RELEASE MEASURES

**Personal precautions, protective equipment, and emergency procedures:**
Use personal protective equipment as needed.
**Environmental Precautions:**
None.
**Methods and materials for containment and cleanup:**
Sweep up and shovel into suitable containers for disposal. Avoid dust formation. Soak up with inert absorbent material. Keep in suitable, closed containers for disposal.

## SECTION 7: HANDLING AND STORAGE

**Precautions for safe handling:**
For precautions see section 2.
**Advice on general hygiene practices:**
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**Recommendations on conditions for safe storage:**
For long term storage, product is recommended to be kept refrigerated (39-43°F / 4-6°C). If stored at room temperature (65-73°F / 18-23°C), use within 1 month. Use immediately once opened. Store tightly closed in original container out of direct sunlight. Keep out of reach of children and animals.
**Incompatible materials:**
No data available.

## SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

**Exposure limits:**
This product does not contain any substances with OSHA Permissible Exposure Limits (PELs) or ACGIH Threshold Limit Values (TLVs).
**Engineering controls:**
Use outdoors or in a facility with sufficient ventilation.
**Recommended personal protective measures:**
Water-proof gloves (e.g. nitrile, latex, vinyl) recommended for prolonged, repeated exposure to product. Safety glasses are recommended during handling to prevent eye contact. Wash hands and face prior to eating or drinking.
**Special requirements for personal protective equipment (PPE):**
Immunocompromised individuals should use personal protective equipment, such as gloves, long sleeves, eye protection, and a respirator, as needed.

## SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

| | |
|---|---|
| **Appearance** | Brownish-yellow liquid |
| **Flammability/explosive limits** | Not applicable |
| **Odor** | Rich, fertile soil with a soft, damp aroma |
| **Vapor pressure** | Data not available |
| **Odor threshold** | Data not available |
| **Vapor density** | Data not available |
| **pH** | 5 - 7 |
| **Relative density** | Data not available |
| **Melting point/freezing point*** | Data not available |
| **Solubility** | Soluble in water |
| **Initial boiling point/range*** | Data not available |
| **Flash point** | Not applicable |
| **Evaporation rate** | Data not available |
| **Flammability** | Not applicable |
| **Partition coefficient** (n-octanol/water) | Data not available |
| **Auto-ignition temperature** | Data not available |
| **Decomposition temperature** | Data not available |
| **Viscosity** | Data not available |

*Estimated based on theoretical calculations.

## SECTION 10: STABILITY AND REACTIVITY

**Reactivity:**
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**Chemical stability:**
Stable under recommended storage conditions.
**Hazardous polymerization, decomposition products:**
Will not occur; none.
**Biological contamination:**
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## SECTION 11: TOXICOLOGICAL INFORMATION

**Exposure routes:**
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**Effects from exposure:**
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**Long term exposure:**
Full data not available. Current results do not indicate any effects from long term exposure.
**Toxicity:**
N/A
**Symptoms:**
N/A
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