



109 Calle Propano # B, Paso Robles, CA 93446
Phone (888) 420-7770 Fax (866) 812-9589

Safety Data Sheet **Humboldt Nutrients Grow 2-1-6**

1. Product and company identification:

Product name: Humboldt Nutrients Grow 2-1-6
Chemical family: Nitrates, and inorganic minerals in aqueous solution.
Material uses: Hydroponic plant nutrient
Supplier/Manufacturer: Humboldt Nutrients
109 Calle Propano #B, Paso Robles, CA 93446
Tel: (888) 420-7770
Fax: (866) 812-9589
In case of emergency: CHEMTREC, U.S.: 1-800-424-9300
International: +1-703-527-3887

2. Hazards identification:

Emergency overview

Physical state: Liquid
Color: Green
Odor: None
Precautionary measures: Store in a cool dry area away from children, food, and feed products. Protect from freezing. Avoid contamination and spills. Avoid contact with eyes, skin, and clothing. Avoid inhalation. Wash hands thoroughly before eating, or smoking.
Routes of entry: Skin, eyes, inhalation, ingestion.

Potential acute health effects

Inhalation: Minor irritation to the respiratory system.
Ingestion: May cause abdominal pain, nausea, vomiting, diarrhea
Eyes: Minor irritation to eyes
Skin: Minor irritation to skin

Potential chronic health effects

Chronic effects: No known significant effects
Carcinogenicity: No known significant effects
Mutagenicity: No known significant effects
Teratogenicity: No known significant effects
Developmental effects: No known significant effects
Fertility effects: No known significant effects

Over-exposure signs/symptoms

Inhalation: Respiratory tract irritation, coughing
Ingestion: No specific data
Skin: Irritation, redness
Eyes: Pain or irritation, watering, redness



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3. Composition/information on ingredients

Name	%	CAS Number
MKP	1-3	7778-77-0
Potassium Nitrate	1-3	7757-79-1

There are no additional ingredients present which, within the current knowledge of the supplier and in the concentrations applicable, are classified as hazardous to the health or the environment and hence require reporting in this section.

4. First aid measures

Inhalation: Move person to ventilated or outside air area.
Ingestion: Administer water to conscious person only. Seek medical attention.
Skin: Wash area with warm soapy water
Eyes: Flush eyes thoroughly with water removing any vision correction implements prior to flushing. Seek medical attention.

5. Fire fighting measures

Flammability of the product: This product may increase the risk of fire and may aid combustion. In a fire, or if heated, a pressure increase could occur causing the container to burst.

Extinguishing media

Suitable: Use extinguishing media suitable for surrounding fire
Not suitable: Unknown
Flash point: Does not flash
Flammable limits: N/A
Hazardous decomposition products: N/A

6. Accidental release measures

Personal precautions: No action shall be taken involving any personal risk or without suitable training. Clear surrounding areas. Keep unnecessary personnel from entering. Avoid touching or walking through spilled product. Shut off all ignition sources. No flares, smoking, or flames in hazard area. Avoid breathing vapor or mist. Wear appropriate personal protection gear including wearing gloves, safety glasses. Use respirator if necessary.

Environmental precautions: Avoid dispersal into waterways, drains, and sewers.

Methods for cleaning up

Small spill: Stop leak if possible and/or clear containers from spill area. Dilute with water and mop up or use proper drying agent to absorb liquid. Do not



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Large Spill: use sawdust as it could turn into a fire hazard when dry. Dispose in proper container.
Stop leak if possible and/or clear containers from spill area. Prevent entry into waterways, runoff, sewers, or basements. Contain and collect spillage with absorbent, non-combustible material i.e. sand, earth, vermiculite or diatomaceous earth and place in proper container for disposal. Do not use sawdust as it could turn into a fire hazard when dry.

7. Handling and storage

Handling: Eating, drinking, and smoking should be prohibited in areas where products or materials are handled, stored, or processed. Employees should wash hands and face after handling and prior to eating, drinking or smoking. Do not get in eyes. Do not inhale vapor or mist. Do not ingest. Avoid direct contact with skin and clothing. Keep in the original container or an approved alternative made from a compatible material. Keep containers sealed and upright when not in use.

Storage: Store in a cool, dry area away from children, food, and feed products. Keep out of direct sunlight. Protect from freezing. Avoid contamination and spills. Keep containers tightly sealed and upright to prevent leaking or spills. All product and materials must be stored in well labeled containers. Ideal temperature storage conditions are above 40°F and below 80°F.

8. Exposure controls/personal protection

Recommended monitoring: If this product contains ingredients with exposure limits, personal, workplace atmosphere or biological monitoring may be required to determine the effectiveness of the ventilation or other control measures and/or the necessity to use respiratory protective equipment.

Engineering measures: Use only with adequate ventilation. If user operations generate dust, fumes, gas, vapor or mist, use process enclosures, local exhaust ventilation or other engineering controls to keep worker exposure to airborne contaminants below any recommended or statutory limits

Hygiene measures: Wash hands, forearms and face thoroughly after handling materials and/or products prior to eating, smoking, using the bathroom and at the end of the working period. Appropriate procedures should be used to remove potentially contaminated clothing. Wash contaminated clothing before reusing. Be sure that eyewash stations and safety showers are operational and close to the workstation location.



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Personal protection

Respiratory: Avoid prolonged exposure to vapors, mist, fumes. If necessary, wear a properly-fitted respirator. Respirator selection must be based on expected exposure levels, the hazard of the product, and the working capabilities of the chosen respirator.

Hands: Gloves should be worn when handling any chemical or product substances if risk assessment deems that it is necessary. Otherwise, thoroughly washing hands after handling containers or substances is necessary.

Eyes: Safety eyewear should be worn when risk assessment deems necessary to avoid contact by liquid product splash, mist, or product dust.

9. Physical & chemical properties

Physical state:	Liquid
Color:	Green
Odor:	None
pH:	5.5
Boiling point:	100°C (212°F)
Evaporation rate:	Not detectable
Vapor density (Air=1):	N/A
Specific gravity:	1.15
Water solubility:	Complete, Miscible

10. Stability & reactivity

Stability:	Stable
Incompatibility:	N/A
Conditions to avoid:	N/A
Hazardous polymerization:	Will not occur
Hazardous decomposition products:	Not known

11. Toxicological information

Route of entry:	Eyes, ingestion, inhalation, skin.
Effects of acute exposure:	Non-toxic
Chronic toxicity:	No data available
Reproductive toxicity:	None



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Carcinogenicity:	N/A
<u>Irritation/Corrosion</u>	
Skin:	No data available
Eyes:	No data available
Respiratory:	No data available
<u>Sensitizer</u>	
Skin:	No data available
Respiratory:	No data available
<u>Carcinogenicity</u>	
Mutagenicity:	No data available
Teratogenicity:	No data available

12. Ecological information

<u>Toxicity:</u>	No data available
<u>Persistence and degradability:</u>	No data available
<u>Bioaccumulative potential:</u>	No data available
<u>Mobility in the soil:</u>	No data available
<u>Other adverse effects:</u>	No data available

13. Disposal information

<u>Disposal:</u>	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 and any regional local authority requirements. Dispose of surplus and non-recyclable products via a licensed waste disposal contractor. Waste should not be disposed of untreated to the sewer unless fully compliant with the requirements of all authorities with jurisdiction. Waste packaging should be recycled. Incineration or landfill should only be considered when recycling is not feasible. This material and its container must be disposed of in a safe way. Empty containers or liners may retain some product residues. Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers
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14. Transport information

<u>UN number:</u>	No data, not regulated
<u>UN proper shipping name:</u>	None



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Transport hazard class(es): None

Packing group, if applicable: None

Environmental hazards: No

Transport in bulk: None

Special precautions: Transport on consumer/user's premises: transport in closed containers, upright, and secured to prevent possible disruption. Transporter should be informed on protocol in case of accident or spill.

15. Regulatory information

U.S. Federal Regulations: TSCA8(a) CDR Exempt/Partial exemption: Not determined
United States Inventory (TSCA 8b): Not determined
Clean Water Act (CWA) 311: None

Clean Air Act Section 112: Not Listed
(b) Hazardous Air Pollutants
(HAPS)

Clean Air Act Section 602: Not Listed
Class I Substances

Clean Air Act Section 602: Not Listed
Class II Substances

DEA List I Chemicals: Not Listed
(Precursor Chemicals)

DEA List II Chemicals: Not Listed
(Essential Chemicals)

SARA 302/304
Composition/Information on Ingredients: None

SARA304 RQ: Not Applicable

SARA 311/312
Classification: Not Applicable

SARA 313



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No data available

State Regulations

Massachusetts:	None
New York:	None
New Jersey:	None
Pennsylvania:	None
California Prop 65:	None

16. Other information

Classification	Justification
Not Classified.	

History:

Date of issue mm/dd/yyyy:	05/26/2015
Version:	2
Prepared by:	Humboldt Nutrients, Compliance

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