



109 Calle Propano # B, Paso Robles, CA 93446

Phone (888) 420-7770 Fax (866) 812-9589

Safety Data Sheet **Humboldt Nutrients Royal Flush**

1. Product and company identification:

Product name: Humboldt Nutrients
Material uses: N/A
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: Clear w/ light blue tint
Odor: Slight
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. Slightly corrosive due to low pH and product should be stored in tightly sealed plastic or stainless steel containers.
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, considered slightly toxic
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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Large Spill:

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.

Personal protection

Respiratory:

Avoid prolonged exposure to vapors, mist, fumes. If necessary, wear a properly-fitted respirator. Respirator selection must be based on



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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:	Clear, slight blue tint
Odor:	Slight
pH:	2
Boiling point:	215°F
Evaporation rate:	Not detectable
Vapor density (Air=1):	N/A
Specific gravity:	1.050
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
Carcinogenicity:	N/A
<u>Irritation/Corrosion</u>	
Skin:	No data available
Eyes:	No data available
Respiratory:	No data available



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Sensitizer

Skin: No data available

Respiratory: No data available

Carcinogenicity

Mutagenicity: No data available

Teratogenicity: No data available

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