

Material Safety Data Sheet

May be used to comply with OSHA's Hazard Communication Standard, 29 CFR 1910 1200. Standard must be consulted for specific requirements.

U.S. Department of Labor

Occupational Safety and Health Administration
(Non-Mandatory Form)
Form Approved
OMB No. 1218-0072

IDENTITY (as Used on Label and List)

Dark Energy

Note: Blank spaces are not permitted. If any item is not applicable or no information is available, the space must be marked to indicate that.

Section I

Manufacturer's name:

AMERICAN HYDROPONICS

Address (Number, Street, City, State and ZIP Code)

286 SOUTH G STREET

ARCATA, CA 95521

Emergency Telephone Number:

CHEMTREC 800-424-9300

Telephone Number for Information: 707-822-5777

Date Prepared: JANUARY 1, 2004

Signature of Preparer (optional)

Section II—Hazardous Ingredients/Identity Information

Hazardous Components (Specific Chemical Identity, Common Name(s))

None

OSHA PEL:
ND

ACGIH TLV:
ND

Other Limits
Recommended:
245mg/m3

% (optional)
ND

The NFPA Rating has not been established for this product.

PA Right to Know: This product contains proprietary ingredients.

Section III—Physical/Chemical Characteristics

| | | | |
|-------------------------|-------------------|---|-------------------|
| Boiling Point | No Data Available | Specific Gravity (H ₂ O = 1) | 1.18-1.20 @ 20C |
| Vapor Pressure (mm Hg) | No Data Available | Melting Point | No Data Available |
| Vapor Density (AIR = 1) | No Data Available | Evaporation Rate (Butyl Acetate = 1) | No Data Available |

Solubility in Water: Soluble

Appearance and Odor: Dark brown, moderate odor

Section IV—Fire and Explosion Hazard Data

Flash Point (Method Used): >200 F Flammable Limits: ND LEL: ND UEL: ND

Extinguishing Media: Foam, Carbon Dioxide, Dry Chemical, Water spray or Sand/Earth

Special Fire Fighting Procedures: Use Water spray to keep exposed containers cool. Use supplied air breathing apparatus equipment. Use water spray to disperse vapors.

Unusual Fire and Explosion Hazards: Evacuate people downwind from fire. Control runoff water.

Section V—Reactivity Data

| | | | |
|-----------|----------|---|---|
| Stability | Unstable | | Conditions to Avoid: Excessive heat and cold. Sources of ignition. |
| | Stable | X | |

Incompatibility (*Materials to Avoid*): **Strong Oxidizers**

Hazardous Decomposition or Byproducts: **Oxides of carbon under fire conditions.**

| | | | |
|--------------------------|----------------|---|----------------------------------|
| Hazardous Polymerization | May Occur | | Conditions to Avoid: None known. |
| | Will Not Occur | X | |

Section VI—Health Hazard Data

| | | | |
|-------------------|------------------------|------------------|-----------------------|
| Route(s) of Entry | Inhalation? Yes | Skin? Yes | Ingestion? Yes |
|-------------------|------------------------|------------------|-----------------------|

Health Hazards (*Acute and Chronic*):

Oral toxicity: Rats > 5050 mg/kg **Dermal toxicity:** Not determined **Inhalation toxicity:** Not determined

This product may cause eye irritation and slight skin irritation

Chronic: No Data Available

| | | | |
|-----------------|----------------|----------------------------|---------------------------|
| Carcinogenicity | NTP? No | IARC Monographs? No | OSHA Regulated? No |
|-----------------|----------------|----------------------------|---------------------------|

Signs and Symptoms of Exposure: **No Data Available**

Medical Conditions Generally Aggravated by Exposure: **Contact may cause irritation**

Emergency and First Aid Procedures

Ingestion: Do not induce vomiting, call a physician. **Eyes:** Irrigate with water for at least 15 minutes, seek medical help. **Skin:** Remove any contaminated clothing and wash skin with soap and water

Inhalation: Remove victim to fresh air, call a physician

Section VII—Precautions for Safe Handling and Use

Steps to Be Taken in Case Material Is Released or Spilled: **Eliminate all sources of ignition, dike or impound to keep product out of sewers and watercourses. Absorb spill with inert material, shovel into waste containers, and wash area with water. Absorb water with inert material. Continue this procedure until no odor remains.**

Waste Disposal Method: **Dispose of waste and waste containers in accordance with local/state/federal regulations.**

Precautions to Be Taken in Handling and Storing: **Keep containers closed when not in use. Keep from sources of ignition. Do not contaminate water, food, feed by storage or disposal.**

Follow good industrial hygiene practices. Store between 40.5 F and 120.5 F.

Other Precautions: **Keep from children and animals. After working with this product, thoroughly clean equipment. Wash thoroughly, change clothing and clean protective gear.**

Section VII—Control Measures

Respiratory Protection (*Specify Type*): **A respirator approved by NIOSH/MSHA should be worn where vapor inhalation could occur.**

| | | |
|-------------|---|--------------------|
| Ventilation | Local Exhaust: NA | Special: NA |
| | Mechanical (<i>General</i>): Preferred | Other: NA |

Protective Gloves: **Chemical resistant (rubber gloves)** Eye Protection: **Chemical splash goggles**

Other Protective Clothing or Equipment: **Chemical resistant apron, clean body covering clothing, boots, hat**

Work/Hygienic Practices: **Prevent eating, drinking, tobacco usage and cosmetic application to prevent exposure.**

The submission of this information may be required by law, but this is not an assertion that this substance is hazardous when used in accordance with proper safety practices and normal handling procedures. The information is given in good faith, but no warranty, expressed or implied is made.