

## Safety Data Sheet (SDS)

OSHA Hazard Communication Standard 29 CFR 1910.1200. Prepared to GHS Rev03.

Reviewed on 05/21/2015

### 1 Product and Company Identification

- **Product identifier**
- **Trade name: ELECTRON-22**
- **Product description: High Purity Dielectric/Parts Washing Solvent**

Part No.	Packaging	National Stock Number
049	12 x 22 fl oz.	6850-01-371-8049

- **Details of the supplier of the safety data sheet**
- **Manufacturer/Supplier:**  
 Ecolink  
 2177 Flintstone Dr, Ste. A  
 Tucker, GA 30085  
 www.ecolink.com  
 800-886-8240 or 770-621-8240 (8-5 EST)
- **Emergency telephone number: Infotrac: 1-800-535-5053, 1-352-326-2510**

email: [info@ecolink.com](mailto:info@ecolink.com)

### 2 Hazard(s) identification

- **Classification of the substance or mixture**



GHS08 Health hazard

Asp. Tox. 1                      H304    May be fatal if swallowed and enters airways.



GHS07

Skin Irrit. 2                      H315    Causes skin irritation.  
 Skin Sens. 1                      H317    May cause an allergic skin reaction.  
 STOT SE 3                        H336    May cause drowsiness or dizziness.  
 Flam. Liq. 4                      H227    Combustible liquid.

- **Label elements**
- **GHS label elements**  
 The product is classified and labeled according to the Globally Harmonized System (GHS).
- **Hazard pictograms**



GHS07



GHS08

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**Trade name: ELECTRON-22**

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- **Signal word** *Danger*
- **Hazard-determining components of labeling:**  
*Distillates (petroleum), hydrotreated light*  
*Citrus Terpene*
- **Hazard statements**  
*Combustible liquid.*  
*Causes skin irritation.*  
*May cause an allergic skin reaction.*  
*May cause drowsiness or dizziness.*  
*May be fatal if swallowed and enters airways.*
- **Precautionary statements**  
*Keep away from heat/sparks/open flames/hot surfaces. - No smoking.*  
*Avoid breathing fume/gas/mist/vapors/spray.*  
*Wear protective gloves/eye protection/face protection*  
*IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician.*  
*Do NOT induce vomiting*  
*In case of fire: Use alcohol-resistant foam, dry chemical or carbon dioxide for extinction.*  
*Store locked up.*  
*Dispose of contents/container in accordance with local/national/international regulations.*
- **Classification system:** *NFPA1HMIS Definitions: 0-Least, 1-Slight, 2-Moderate, 3-High, 4-Extreme*
- **NFPA ratings (scale 0 - 4)**



Health = 1  
Fire = 2  
Reactivity = 0

- **HMIS-ratings (scale 0 - 4)**



HEALTH 1 Health = 1  
FIRE 2 Fire = 2  
REACTIVITY 0 Reactivity = 0

### 3 Composition/information on ingredients

- **Chemical characterization:** *Mixtures*
- **Description:** *Mixture of the substances listed below.*
- **Dangerous components:**

64742-47-8 <i>Distillates (petroleum), hydrotreated light</i>	80-90%
<i>H227; H304; H315; H227</i>	
68647-72-3 <i>Citrus Terpene</i>	10-20%
<i>H226; H304; H315; H317; H400; H410</i>	

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### 4 First-aid measures

- **Description of first aid measures**
- **After inhalation:**  
*Supply fresh air and to be sure call for a doctor.  
In case of unconsciousness place patient stably in side position for transportation.*
- **After skin contact:** *Immediately wash with water and soap and rinse thoroughly.*
- **After eye contact:** *Rinse opened eye for several minutes under running water.*
- **After swallowing:** *Give large amounts of water. If symptoms persist consult doctor.*
- **Information for doctor:**
- **Most important symptoms and effects, both acute and delayed**  
*No further relevant information available.*
- **Indication of any immediate medical attention and special treatment needed**  
*No further relevant information available.*

### 5 Fire-fighting measures

- **Extinguishing media**
- **Suitable extinguishing agents:** *CO2, sand, extinguishing powder suitable for Class B..*
- **For safety reasons unsuitable extinguishing agents:** *Water*
- **Special hazards arising from the substance or mixture** *No further relevant information available.*
- **Advice for firefighters**
- **Protective equipment:** *No special measures required.*

### 6 Accidental release measures

- **Personal precautions, protective equipment and emergency procedures** *Not required.*
- **Environmental precautions:**  
*Inform respective authorities in case of seepage into water course or sewage system.  
Do not allow to enter sewers/ surface or ground water.*
- **Methods and material for containment and cleaning up:**  
*Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).  
Dispose contaminated material as waste according to item 13.  
Ensure adequate ventilation.  
Do not flush with water or aqueous cleansing agents*
- **Reference to other sections**  
*See Section 7 for information on safe handling.  
See Section 8 for information on personal protection equipment.  
See Section 13 for disposal information.*

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### 7 Handling and storage

- **Handling:**
- **Precautions for safe handling**  
Ensure good ventilation/exhaustion at the workplace.  
Prevent formation of aerosols or spray mists.
- **Information about protection against explosions and fires:** Protect from heat.
- **Conditions for safe storage, including any incompatibilities**
- **Storage:**
- **Requirements to be met by storerooms and receptacles:** No special requirements.
- **Storage conditions:** Protect from heat and direct sunlight; store between 40° and 120° F.
- **Specific end use(s)** No further relevant information available.

### 8 Exposure controls/personal protection

- **Additional information about design of technical systems:** No further data; see item 7.
- **Control parameters**
- **Components with limit values that require monitoring at the workplace:**  
The product does not contain any relevant quantities of materials with critical values that have to be monitored at the workplace.
- **Additional information:** The lists that were valid during the creation were used as basis.
- **Exposure controls**
- **Personal protective equipment:**
- **General protective and hygienic measures:** Keep away from foodstuffs, beverages and feed.  
Immediately remove all soiled and contaminated clothing.  
Wash hands before breaks and at the end of work.
- **Breathing equipment:**  
In case of areas of poor ventilation, use respiratory filter device. In case of intensive or longer exposure use respiratory protective device that is independent of circulating air.
- **Protection of hands:**



Protective gloves

The glove material has to be impermeable and resistant to the product. Due to missing tests no recommendation to the glove material can be given for the product. Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation

- **Material of gloves**

The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer. As the product is a preparation of several substances, the resistance of the glove material can not be calculated in advance and has therefore to be checked prior to the application.

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- **Penetration time of glove material**  
The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed.
- **Eye protection:** Goggles or safety glasses with side shields recommended if there is a likelihood of splashing.

### 9 Physical and chemical properties

- **Information on basic physical and chemical properties**
- **General Information**
- **Appearance:**
  - Form: Liquid
  - Color: Colorless
- **Odor:** Mild Citrus
- **Odor threshold:** Not determined.
- **pH-value @ 20 °C (68 °F):** Not determined
- **Change in condition**
  - Melting point/Melting range: Not determined.
  - Boiling point/Boiling range: 213 °C (415 °F)
- **Flash point:** 64 °C (147 °F)
- **Flammability (solid, gaseous):** Not applicable.
- **Ignition temperature:** 210 °C (410 °F)
- **Decomposition temperature:** Not determined.
- **Auto igniting:** Product is not self igniting.
- **Danger of explosion:** Not determined.
- **Explosion limits:**
  - Lower: 0.5 Vol %
  - Upper: 6.5 Vol %
- **Vapor pressure @ 20 °C (68 °F):** 0.30 mm Hg
- **Density @ 20 °C (68 °F):** 0.811 g/cm<sup>3</sup> (6.76 lbs/gal)
- **Relative density** Not determined.
- **Vapor density** Not determined.
- **Evaporation rate** Not determined.
- **Solubility in / Miscibility with**
  - Water: Not miscible or difficult to mix.
- **Partition coefficient (n-octanol/water):** Not determined.
- **Viscosity:**
  - Dynamic @ 20 °C (68 °F): 1 mPas
  - Kinematic: Not determined.
- **Solvent content:**
  - Organic solvents: 100.0 %
- **Other information** VOC content 811 g/liter

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### 10 Stability and reactivity

- **Reactivity**
- **Chemical stability** Product is stable under normal conditions.
- **Thermal decomposition | conditions to be avoided:**  
No decomposition if used according to specifications.
- **Possibility of hazardous reactions** No dangerous reactions known.
- **Conditions to avoid** No further relevant information available.
- **Incompatible materials:** Strong oxidizers.
- **Hazardous decomposition products:** Carbon oxides.

### 11 Toxicological information

- **Information on toxicological effects**
- **Acute toxicity:**
- **LD/LC50 values that are relevant for classification:**  
**64742-47-8 Distillates (petroleum), hydrotreated light**  
Oral LD50 >5,000 mg/kg (rat)  
Dermal LD50 >2,000 mg/kg (rabbit)
- **Primary irritant effect:**
- **on the skin:** No irritant effect.
- **on the eye:** No irritating effect.
- **Sensitization:** Sensitization possible through skin contact.
- **Additional toxicological information:**  
The product shows the following dangers according to internally approved calculation methods for preparations: Irritant
- **Carcinogenic categories**
- **IARC (International Agency for Research on Cancer)**  
None of the ingredients are listed.
- **NTP (National Toxicology Program)**  
None of the ingredients are listed.
- **OSHA-Ca (Occupational Safety & Health Administration)**  
None of the ingredients are listed.

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### 12 Ecological information

- **Toxicity**
- **Aquatic toxicity:** No further relevant information available.
- **Persistence and degradability** No further relevant information available.
- **Behavior in environmental systems:**
- **Bioaccumulative potential** No further relevant information available.
- **Mobility in soil** No further relevant information available.
- **Ecotoxicological effects:**
- **Remark:** Toxic for fish
- **Additional ecological information:**
- **General notes:**  
*Water hazard class 3 (Self-assessment): extremely hazardous for water  
 Do not allow product to reach ground water, water course or sewage system, even in small quantities.  
 Danger to drinking water if even extremely small quantities leak into the ground.  
 Also poisonous for fish and plankton in water bodies.  
 Toxic for aquatic organisms*
- **Other adverse effects** No further relevant information available.

### 13 Disposal considerations

- **Waste treatment methods**
- **Recommendation:**  
*Must not be disposed of together with household garbage. Do not allow product to reach sewage system.*
- **Uncleaned packaging:**
- **Recommendation:** Disposal must be made according to official regulations.

### 14 Transport information

- |   |  |
|---|--|
| <ul style="list-style-type: none"> <li>· <b>UN-Number</b></li> <li>· <b>DOT, ADR, IMDG, IATA</b></li> </ul>               | <p><i>Non-Regulated Material*</i></p>          |
| <ul style="list-style-type: none"> <li>· <b>UN proper shipping name</b></li> <li>· <b>DOT, ADR, IMDG, IATA</b></li> </ul> | <p><i>Not Regulated for Transportation</i></p> |

\* This material is not regulated under 49 CFR in a container of 119 gallon capacity or less when transported solely by land.

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- **Transport hazard class(es)**
- **DOT, ADR, ADN, IMDG, IATA**                      *Non-Regulated Material*
- **Packing group**
- **DOT, ADR, IMDG, IATA**                      *Non-Regulated Material*
- **Environmental hazards:**                      *Product contains environmentally hazardous substances: Citrus Terpene; Distillates (petroleum) hydrotreated light*
- **Special precautions for user**                      *Not applicable*
- **Transport in bulk according to Annex II of MARPOL73178 and the IBC Code**                      *Not applicable.*

### 15 Regulatory information

- **Sara**
- **Section 355 (extremely hazardous substances):**  
*None of the ingredients is listed.*
- **Section 313 (Specific toxic chemical listings):**  
*None of the ingredients is listed.*
- **TSCA (Toxic Substances Control Act):**  
*All ingredients are listed.*
- **Proposition 65**
- **Chemicals known to cause cancer:** *None of the ingredients is listed.*
- **Chemicals known to cause reproductive toxicity for females:** *None of the ingredients is listed.*
- **Chemicals known to cause reproductive toxicity for males:** *None of the ingredients is listed.*
- **Chemicals known to cause developmental toxicity:** *None of the ingredients is listed.*
- **Carcinogenic categories**
- **EPA (Environmental Protection Agency):** *None of the ingredients is listed.*
- **TLV (Threshold Limit Value established by ACGIH)** *None of the ingredients is listed.*
- **NIOSH-Ca (National Institute for Occupational Safety and Health)** *None of the ingredients is listed.*
- **OSHA-Ca (Occupational Safety & Health Administration)** *Corrosive to eyes*
- **GHS label elements**  
*The product is classified and labeled according to the Globally Harmonized System (GHS).*

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**Trade name: ELECTRON-22**

· **Hazard pictograms**



GHS07 GHS08

· **Signal word** *Danger*

· **Hazard-determining components of labeling:**

*Distillates (petroleum), hydrotreated light  
Citrus Terpene*

· **Hazard statements**

*H227 Combustible liquid.*

*H315 Causes skin irritation.*

*H317 May cause an allergic skin reaction.*

*H336 May cause drowsiness or dizziness.*

*H304 May be fatal if swallowed and enters airways.*

*H411 Toxic to aquatic life with long lasting effects.*

· **Precautionary statements**

*P210 Keep away from heat/sparks/open flames/hot surfaces. - No smoking.*

*P261 Avoid breathing fume/gas/mist/vapors/spray.*

*P280 Wear protective gloves/eye protection/face protection*

*P301+P310 IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician.*

*P331 Do NOT induce vomiting*

*P370+P378 In case of fire: Use alcohol-resistant foam, dry chemical or carbon dioxide for extinction.*

*P405 Store locked up.*

*P501 Dispose of contents/container in accordance with local/national/international regulations.*

· **Chemical safety assessment:** *A Chemical Safety Assessment has not been carried out.*

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### 16 Other information

*This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.*

· **Abbreviations and acronyms:**

*ADR: Accord europeen sur le transport des marchandises dangereuses par Route (European Agreement concerning the International Carriage of Dangerous Goods by Road)*

*IMDG: International Maritime Code for Dangerous Goods*

*DOT: US Department of Transportation*

*IATA: International Air Transport Association*

*ACGIH: American Conference of Governmental Industrial Hygienists*

*EINECS: European Inventory of Existing Commercial Chemical Substances*

*ELINCS: European List of Notified Chemical Substances*

*CAS: Chemical Abstracts Service (division of the American Chemical Society)*

*NFPA: National Fire Protection Association (USA)*

*HMS: Hazardous Materials Identification System (USA)*

*LC50: Lethal concentration, 50 percent*

*LD50: Lethal dose, 50 percent*

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