

## Safety Data Sheet (SDS)

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

Reviewed on 5/30/2015

### 1 Identification

- **Trade name:** *ELECTRON Aerosol*
- **Product description**  
*Environmentally Preferred Dielectric Solvent*

Product Name	Part No.	Packaging	National Stock No.
ELECTRON (A)	365-1	12 x 16 oz net Aerosol	6850-01-371-8048

- **Details of the supplier of the safety data sheet**

- **Manufacturer/Supplier:**

*Ecolink  
2177 Flintstone Dr., Ste. A  
Tucker, GA 30084  
www.ecolink.com  
800-886-8240 or 770-621-8240 (8-5 EST)*

*email: info@ecolink.com*

- **Emergency telephone number:** *Infotrac: 1-800-535-5053, 1-352-326-2510*

### 2 Hazard(s) identification

- **Classification of the substance or mixture**



GHS02 Flame

*Flam. Aerosol 2    H223-229    Flammable aerosol. Pressurized container: May burst if heated.*



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.*

- **Label elements**

- **GHS label elements**

*The product is classified and labeled according to the Globally Harmonized System (GHS).*

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· **Hazard pictograms**



GHS02 GHS07 GHS08

· **Signal word** *Danger*

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

*Naphtha (petroleum), hydrotreated heavy  
Citrus Terpene*

· **Hazard statements**

*H223+H229 Flammable aerosol. Pressurized container: May burst if heated.  
H315 Causes skin irritation.  
H317 May cause an allergic skin reaction.  
H304 May be fatal if swallowed and enters airways.*

· **Precautionary statements**

*Precautionary statements*

*P210 Keep away from heat/sparks/open flames/hot surfaces. - No smoking.  
P251 Pressurized container: Do not pierce or burn, even after use.  
Do not spray on an open flame or other ignition sources.  
P301+P310 IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician.  
P405 Store locked up.  
P410+P412 Protect from sunlight. Do not expose to temperatures exceeding 50 °C/122 °F.  
P501 Dispose of contents/container in accordance with local/national/international regulations.*

· **Classification system:**

· **NFPA ratings (scale 0 - 4)**



*Health = 1  
Fire = 2  
Reactivity = 1*

· **HMIS-ratings (scale 0 - 4)**



*Health = \*1  
Fire = 2  
Reactivity = 1*

· **Other hazards**

· **Results of PBT and vPvB assessment**

- **PBT:** Not applicable.
- **vPvB:** Not applicable.

### 3 Composition/information on ingredients

· **Chemical characterization: Mixtures**

- **Description:** Mixture of the substances listed below with nonhazardous additions.

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<b>· Dangerous components:</b>	
64742-48-9 Naphtha (petroleum), hydrotreated heavy Asp. Tox. 1, H304; H227	60-90%
68647-72-3 Citrus Terpene Flam. Liq. 3, H226; Asp. Tox. 1, H304; Aquatic Acute 1, H400; Aquatic Chronic 1, H410; Skin Irrit. 2, H315; Skin Sens. 1, H317	25-50%
124-38-9 Carbon dioxide Press. Gas, H280	2-12%

### 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 securely 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. Do not use water.
- **For safety reasons unsuitable extinguishing agents:** Water with full jet
- **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**  
Wear protective equipment. Keep unprotected persons away.
- **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:**  
Dispose contaminated material as waste according to section 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.

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See Section 8 for information on personal protection equipment.  
See Section 13 for disposal information.

### 7 Handling and storage

- **Handling:**
- **Precautions for safe handling**  
Ensure good ventilation/exhaustion at the workplace.  
Open and handle receptacle with care.
- **Information about protection against explosions and fires:**  
Do not spray on a naked flame or any incandescent material.  
Keep ignition sources away - Do not smoke.  
Protect from heat.  
Protect against electrostatic charges.  
Pressurized container: protect from sunlight and do not expose to temperatures exceeding 50 °C, i.e. electric lights. Do not pierce or burn, even after use.
- **Conditions for safe storage, including any incompatibilities**
- **Storage:**
- **Requirements to be met by storerooms and receptacles:**  
Store in a cool location.  
Observe official regulations on storing packagings with pressurized containers.
- **Information about storage in one common storage facility:** Not required.
- **Further information about storage conditions:**  
Keep receptacle tightly sealed.  
Do not gas tight seal receptacle.  
Store in cool, dry conditions in well sealed receptacles.  
Protect from heat and direct sunlight.
- **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 section 7.
- **Control parameters**
- **Components with limit values that require monitoring at the workplace:**  
**124-38-9 Carbon dioxide**  
PEL Long-term value: 9,000 mg/m<sup>3</sup>, 5,000 ppm  
REL Short-term value: 54,000 mg/m<sup>3</sup>, 30,000 ppm  
Long-term value: 9,000 mg/m<sup>3</sup>, 5,000 ppm  
TLV Short-term value: 54,000 mg/m<sup>3</sup>, 30,000 ppm  
Long-term value: 9,000 mg/m<sup>3</sup>, 5,000 ppm
- **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.

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*Immediately remove all soiled and contaminated clothing.*

*Wash hands before breaks and at the end of work.*

*Avoid contact with the skin.*

*Avoid contact with the eyes and skin.*

· **Breathing equipment:**

*In case of brief exposure or low pollution 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.*

*Select glove material based on penetration times, rates of diffusion and 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.*

· **Penetration time of glove material**

*The exact break-through time has to be determined and observed by the manufacturer of the protective gloves.*

· **Eye protection:** *Tightly sealed goggles or safety glasses with side shields*

### 9 Physical and chemical properties

· **Information on basic physical and chemical properties**

· **General Information**

· **Appearance:**

**Form:**

Liquid

**Color:**

Colorless

· **Odor:**

Mild citrus terpene

· **Odor threshold:**

Not determined.

· **pH-value:**

Not determined.

· **Change in condition**

**Melting point/Melting range:**

Not determined.

**Boiling point/Boiling range:**

160 °C (320 °F)

· **Flash point:**

43 °C (109 °F)

· **Flammability (solid, gaseous):**

Not applicable.

· **Ignition temperature:**

240 °C (464 °F)

· **Decomposition temperature:**

Not determined.

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- **Auto igniting:** Product is not self-igniting.
- **Danger of explosion:** Product is not explosive. However, formation of explosive air/vapor mixtures are possible.
- **Explosion limits:**
  - Lower:** 0.6 Vol %
  - Upper:** 7.0 Vol %
- **Vapor pressure @ 20 °C (68 °F):** 1 hPa (1 mm Hg)
- **Density @ 20 °C (68 °F):** 0.784 g/cm<sup>3</sup> (6.542 lbs/gal)
- **Relative density @ 20 °C (68 °F)** 6.54 lbs/gal
- **Vapor density** >1.0 (air = 1).
- **Evaporation rate** Not applicable.
- **Solubility in / Miscibility with Water:** Not miscible or difficult to mix.
- **Partition coefficient (n-octanol/water):** Not determined.
- **Viscosity:**
  - Dynamic:** Not determined.
  - Kinematic:** Not determined.
- **Solvent content:**
  - Organic solvents:** 95 %
- **Other information** No further relevant information available.

### 10 Stability and reactivity

- **Reactivity** No further relevant information available.
- **Chemical stability**
- **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 oxidizing agents.
- **Hazardous decomposition products:** Oxides of carbon.

### 11 Toxicological information

- **Information on toxicological effects**
- **Acute toxicity:**
- **LD/LC50 values that are relevant for classification:**
  - 64742-48-9 Naphtha (petroleum), hydrotreated heavy**
  - Oral LD50 >5,000 mg/kg (rat)
  - Dermal LD50 >3,000 mg/kg (rabbit)

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- **Primary irritant effect:**
- **on the skin:** Irritant to skin and mucous membranes.
- **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 is listed.
- **NTP (National Toxicology Program)**  
None of the ingredients is listed.

### 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:** Very 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.  
Very toxic for aquatic organisms
- **Results of PBT and vPvB assessment**
- **PBT:** Not applicable.
- **vPvB:** Not applicable.
- **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.

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- **Uncleaned packagings:**
- **Recommendation:** Disposal must be made according to official regulations.

### 14 Transport information

· <b>UN-Number</b>	
· <b>DOT, ADR, /MDG, /ATA</b>	UN1950
· <b>UN proper shipping name</b>	
· <b>DOT</b>	Aerosols, flammable
· <b>ADR</b>	UN1950 Aerosols, ENVIRONMENTALLY HAZARDOUS
· <b>/MDG</b>	AEROSOLS (Citrus Terpene), MARINE POLLUTANT
· <b>/ATA</b>	AEROSOLS, flammable
· <b>Transport hazard class(es)</b>	
· <b>DOT</b>	
	
· <b>Class</b>	2.1
· <b>Label</b>	2.1
· <b>ADR</b>	
 	
· <b>Class</b>	2 5F Gases
· <b>Label</b>	2.1
· <b>/MDG</b>	
 	
· <b>Class</b>	2.1
· <b>Label</b>	2.1
· <b>/ATA</b>	
	
· <b>Class</b>	2.1
· <b>Label</b>	2.1

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<ul style="list-style-type: none"> <li>· <b>Packing group</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>Environmental hazards:</b></li> <li>· <b>Marine pollutant:</b></li> </ul>	<p><i>Product contains environmentally hazardous substances: Citrus Terpene</i></p> <p><i>Yes</i></p> <p><i>Symbol (fish and tree)</i></p>
<ul style="list-style-type: none"> <li>· <b>Special marking (ADR):</b></li> </ul>	<p><i>Symbol (fish and tree)</i></p>
<ul style="list-style-type: none"> <li>· <b>Special precautions tor user</b></li> <li>· <b>Danger code (Kemler):</b></li> <li>· <b>EMS Number:</b></li> </ul>	<p><i>Warning: Gases</i></p> <p><i>-</i></p> <p><i>F-D,S-U</i></p>
<ul style="list-style-type: none"> <li>· <b>Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code</b></li> </ul>	<p><i>Not applicable.</i></p>
<ul style="list-style-type: none"> <li>· <b>Transport/Additional information:</b></li> <li>· <b>DOT</b></li> <li>· <b>Remarks:</b></li> </ul>	<p><i>ORM-D Limited QTY Item</i></p>
<ul style="list-style-type: none"> <li>· <b>UN "Model Regulation":</b></li> </ul>	<p><i>UN1950, Aerosols, ENVIRONMENTALLY HAZARDOUS, 2.1</i></p>

### 15 Regulatory information

- **Safety, health and environmental regulations/legislation specific for the substance or mixture**
- **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.*

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68647-72-3 Citrus Terpene

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25-50%

Flam. Liq. 3, H226; Asp. Tox. 1, H304; Aquatic Acute 1, H400;  
Aquatic Chronic 1, H410; Skin Irrit. 2, H315; Skin Sens. 1, H317

124-38-9 Carbon dioxide

2-12%

Press. Gas, H280

None of the ingredients is listed.

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

### 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.*

· **Date of preparation / last revision** 5/30/2015

· **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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