

## Safety Data Sheet (SDS)

OSHA HazCom Standard 29 CFR 1910.1200(g) and GHS Rev 03.

Reviewed on 05/06/2015

### 1 Identification

- **Product identifier**
- **Trade name: ECC**
- **Relevant identified uses of the substance or mixture and uses advised against**  
Environmentally Preferred Contact Cleaner
- **Product description**  
ECC is a flammable contact cleaner intended for non-energized electrical/electronics applications

Product Name	Part No.	Packaging
ECC	0318-55	55 Gallon Drum
ECC	0318-5	5 Gallon Pail
ECC	0318-1	4 x 1 Gallon Jugs

- **Application of the substance I the mixture** Environmentally Preferred Contact Cleaner
- **Details of the supplier of the safety data sheet**
- **Manufacturer/Supplier:**  
Ecolink  
2177 Flintstone Drive, Ste. A  
Tucker, GA 30084  
www.ecolink.com email: info@ecolink.com  
800-886-8240 or 770-621-8240 (8-5 EST)
- **Emergency telephone number:**  
Inside the U.S.: 800-535-5053 (INFOTRAC, 24 HOURS)  
Outside the U.S.: 352-323-3500 (INFOTRAC, 24 HOURS)

### 2 Hazard(s) identification

- **Classification of the substance or mixture**



GHS02 Flame

Flam. Aerosol 1 H222-H229 Extremely flammable aerosol. Pressurized container: May burst if heated.



GHS08 Health hazard

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



GHS07

STOT SE 3 H315, H336 Causes skin irritation, May cause drowsiness or dizziness

**Label elements**

- **GHS label elements**  
The substance is classified and labeled according to the Globally Harmonized System (GHS).

(Contd. on page 2)

## Safety Data Sheet (SDS)

OSHA HazCom Standard 29 CFR 1910.1200(g) and GHS Rev 03.

Reviewed on 05/06/2015

**Trade name:** ECC

· **Hazard pictograms**



GHS02 GHS08



GHS07

· **Signal word** *Danger*

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

*Naphtha (petroleum), light alkylate*

· **Hazard statements**

*Highly flammable liquid and vapor.*

*May be fatal if swallowed and enters airways.*

*Causes skin irritation*

*May cause drowsiness or dizziness.*

· **Precautionary statements**

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

*Keep container tightly closed.*

*Ground/bond container and receiving equipment.*

*Use explosion-proof electrical, ventilating, and lighting equipment*

*Use only non-sparking tools.*

*Avoid breathing mist/vapors*

*Wash skin thoroughly after handling.*

*Use only outdoors or in a well-ventilated area.*

*Wear protective gloves; eye protection; face protection.*

*Do not handle until all safety precautions have been read and understood.*

*If swallowed: Immediately call a poison center/doctor.*

*If exposed or concerned: Get medical advice/attention.*

*Do NOT induce vomiting.*

*Store locked up.*

*Store in a well-ventilated place. Keep cool.*

*Take off contaminated clothing and launder before reuse.*

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

· **Unknown acute toxicity:**

· **Classification system:** HMIS Definitions: 0-Least, 1-Slight, 2-Moderate, 3-High, 4-Extreme

· **HMIS-ratings (scale 0 - 4)**

HEALTH	2	Health = *2
FIRE	3	Fire = 3
REACTIVITY	0	Reactivity = 0

### 3 Composition/information on ingredients

· **Chemical characterization:** *Mixtures*

· **Description:** *Mixture*

(Contd. on page 3)



## Safety Data Sheet (SDS)

OSHA HazCom Standard 29 CFR 1910.1200(g) and GHS Rev 03.

Reviewed on 05/06/2015

Trade name: ECC

### 6 Accidental release measures

- **Personal precautions, protective equipment and emergency procedures**
  - Ensure adequate ventilation
  - Keep people at a distance and stay upwind.
  - Avoid contact with skin, eyes and clothing.
  - Keep away from ignition sources
  - Wear protective equipment. Keep unprotected persons away.
- **Environmental precautions:** Do not allow to enter sewers/ surface or ground water.
- **Methods and material for containment and cleaning up:**
  - Eliminate all ignition sources.
  - Absorb with liquid-binding material (ie. sand, diatomite, universal binders), do NOT use sawdust.
  - Dispose contaminated material as waste according to section 13.
  - Ensure adequate ventilation.
  - Dispose of the collected material according to regulations.
- **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.

### 7 Handling and storage

- **Handling:**
- **Precautions for safe handling**
  - Avoid contact with skin, eyes and clothing
  - Keep away from sources of ignition.
  - Ensure good ventilation/exhaustion at the workplace.
  - Keep receptacles tightly sealed.
- **Information about protection against explosions and fires:**
  - Keep ignition sources away - Do not smoke.
  - Protect from heat.
  - Protect against electrostatic charges.
  - Keep protective respiratory device available.
  - Use proper bonding and/or ground procedures
- **Conditions for safe storage, including any incompatibilities**
  - Store away from strong acids, strong bases, strong oxidizing agents and strong reducing agents.
- **Storage:**
- **Requirements to be met by storerooms and receptacles:**
  - Keep container closed.
  - Store in a well ventilated place.
  - Store in a cool, dry place away from sparks and flame.
  - Do not store in direct sunlight.
- **Information about storage in one common storage facility:** Not required.

(Contd. on page 5)

## Safety Data Sheet (SDS)

OSHA HazCom Standard 29 CFR 1910.1200(g) and GHS Rev 03.

Reviewed on 05/06/2015

**Trade name: ECC**

- **Further information about storage conditions:**  
 Store in cool, dry conditions in well sealed receptacles.  
 Protect from heat and direct sunlight.  
 Ground and bond when transferring fluids.
- **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**  
 All ventilation should be designed in accordance with OSHA standard (29 CFR 1910.94). Use mechanical (general) ventilation for storage areas. Use appropriate ventilation as required to keep Exposure Limits in Air below TLV & PEL limits.
- **Components with occupational exposure limits:**  
**64741-66-8 Naphtha (Petroleum) Light Alkylate**  
 RCP-TWA 1,400 mg/m<sup>3</sup>, 300 ppm (supplier)
- **Additional information:** The lists that were valid during the creation of this SDS 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 and wash before reuse.  
 Wash hands before breaks and at the end of work.  
 Store protective clothing separately.
- **Breathing equipment:**



Suitable respiratory protective device recommended if engineering controls inadequate.

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:** Not required.
- **Eye protection:**



Tightly sealed goggles or safety glasses with side shields

- **Body protection:** Not required.

## Safety Data Sheet (SDS)

OSHA HazCom Standard 29 CFR 1910.1200(g) and GHS Rev 03.

Reviewed on 05/06/2015

Trade name: ECC

### 9 Physical and chemical properties

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

· **General Information**

· **Appearance:**

**Form:** Liquid  
     **Color:** Colorless

· **Odor:** Mild, petroleum-like

· **Odor threshold:** Not determined.

· **pH-value:** Not determined.

· **Change in condition**

**Melting point/Melting range:** Not determined.  
     **Boiling point/Boiling range:** 98-104 °C (208-219 °F)

· **Flash point:** -8 °C (18 °F)

· **Flammability (solid, gaseous):** Not applicable.

· **Ignition temperature:** 430 °C (806 °F)

· **Decomposition temperature:** Not determined.

· **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:** 0.9 Vol %  
     **Upper:** 6.3 Vol %

· **Vapor pressure @ 20 °C (68 °F):** 34 mm Hg

· **Density @ 20 °C (68 °F):** 0.668 g/cm<sup>3</sup> (5.57 lbs/gal)

· **Relative density** Not determined.

· **Vapor density** 3.9 (air=1)

· **Evaporation rate @ 20 °C (68 °F)** 3.83 (nBuAc=1)

· **Solubility in / Miscibility with**

**Water:** Negligible

· **Partition coefficient (n-octanol/water):** Not determined.

· **Viscosity:**

**Dynamic:** Not determined.  
     **Kinematic:** Not determined.

· **Other information** No further relevant information available.

### 10 Stability and reactivity

· **Reactivity** No further relevant information available.

· **Chemical stability** Stable under normal conditions.

· **Thermal decomposition / conditions to be avoided:**

    No decomposition if used according to specifications.

(Contd. on page 7)

## Safety Data Sheet (SDS)

OSHA HazCom Standard 29 CFR 1910.1200(g) and GHS Rev 03.

Reviewed on 05/06/2015

**Trade name: ECC**

- **Possibility of hazardous reactions** No dangerous reactions known.
- **Conditions to avoid**  
Heat, flame and ignition sources.  
Elevated temperatures; decomposes with heat. Sources of ignition such as sparks, hot spots, welding, flames.
- **Incompatible materials:**  
Strong acids, strong bases, strong oxidizing agents and strong reducing agents.
- **Hazardous decomposition products:** Carbon Oxides.

### 11 Toxicological information

- **Acute toxicity:**

Inhalation	LC50 (rat)	>21 mg/l (vapor)
Ingestion	LD50 (rat)	>5,000 mg/kg
Dermal	LD50(rabbit)	>2,000 mg/kg
- **Primary irritant effect:**
  - **on the skin:** Moderately irritating effect with prolonged exposure..
  - **on the eye:** Mild short-lasting discomfort to eyes.
- **Additional toxicological information:**
- **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.

### 12 Ecological information

- **Toxicity** The hazards for the aquatic environment are unknown.
- **Aquatic toxicity**
  - Aquatic-Acute Toxicity 48 hrs Daphnia magna EL50 2.4 mg/l
  - Aquatic-Chronic Toxicity 21 days Daphnia magna NOEC 0.17 mg/l
- **Persistence and degradability** Expected to be inherently biodegradable.
- **Behavior in environmental systems:**
- **Bioaccumulative potential** No further relevant information available.
- **Mobility in soil** Highly volatile, will partition rapidly to air. Not expected to partition to sediment and wastewater solids
- **Additional ecological information:**
- **General notes:**  
Do not allow product to reach ground water, water course or sewage system. Danger to drinking water if even small quantities leak into the ground.

(Contd. on page 8)

us

## Safety Data Sheet (SDS)

OSHA HazCom Standard 29 CFR 1910.1200(g) and GHS Rev 03.

Reviewed on 05/06/2015


**Trade name: ECC**

- **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.  
 ECC liquid is to be disposed of according to local, state, and federal regulations. The manufacture recommends incineration when disposing of waste material. Please call us if you need additional disposal information.  
 Under RCRA this material is considered a hazardous waste due to the flash point. The EPA hazardous waste number is D001.
- **Uncleaned packagings:**
- **Recommendation:**  
 Dispose of as unused product.  
 Disposal must be made according to official regulations.

### 14 Transport information

- |   |  |
|---|--|
| · <b>UN-Number</b>  | UN1268                                 |
| · <b>DOT, ADR, IMDG, IATA</b>   |  |
| · <b>UN proper shipping name</b>  |  |
| · <b>DOT, ADR, IMDG</b>   | PETROLEUM DISTILLATES N.O.S. (Octanes) |
| · <b>IATA</b>   | PETROLEUM DISTILLATES N.O.S.           |
| · <b>Transport hazard class(es)</b>   |  |
| · <b>DOT</b>  |  |
| · <b>Class</b>  | 3                                      |
| · <b>ADR</b>  |  |
| ·  |  |
| · <b>Class</b>  | 3                                      |

(Contd. on page 9)

us




## Safety Data Sheet (SDS)

OSHA HazCom Standard 29 CFR 1910.1200(g) and GHS Rev 03.

Reviewed on 05/06/2015

**Trade name: ECC**

- **Label** 3
- **IMDG, IATA**
- 
- **Class** 3
- **Label** 3
- **Packing group**
- **DOT, ADR, IMDG, IATA** II
- **Environmental hazards:** Not applicable.
- **Special precautions for user** Warning: Gases
- **Danger code (Kemler):** -
- **EMS Number:** F-D,S-U
- **Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code** Not applicable.

### 15 Regulatory information

- **Safety, health and environmental regulations/legislation specific for the substance or mixture**
- **Sara**  
**Section 311/312 Reportable Hazard Categories:**  
*Fire; Immediate Health; Pressure*
- **Section 355 (extremely hazardous substances):**  
*None of the ingredients are listed.*
- **Section 313 (Specific toxic chemical listings):**  
*None of the ingredients are listed.*
- **TSCA (Toxic Substances Control Act):**  
*All ingredients are listed.*
- **California Proposition 65**
- **Chemicals known to cause cancer:**  
*None of the ingredients are listed.*
- **Chemicals known to cause reproductive toxicity for females:**  
*None of the ingredients are listed.*
- **Chemicals known to cause reproductive toxicity for males:**  
*None of the ingredients are listed.*
- **Chemicals known to cause developmental toxicity:**  
*None of the ingredients are listed.*

(Contd. on page 10)

us

## Safety Data Sheet (SDS)

OSHA HazCom Standard 29 CFR 1910.1200(g) and GHS Rev 03.

Issue date 05/06/2015

Reviewed on 05/06/2015

**Trade name: ECC****· Carcinogenic categories****· EPA (Environmental Protection Agency)**

None of the ingredients are listed.

**· TLV (Threshold Limit Value established by ACGIH)**

None of the ingredients are listed.

**· NIOSH-Ca (National Institute for Occupational Safety and Health)**

None of the ingredients are listed.

**· Signal word** Danger**· Hazard-determining components of labeling:**

Naphtha (petroleum), light alkylate

**· Hazard statements**

Highly flammable liquid and vapor.

May be fatal if swallowed and enters airways.

Causes skin irritation

May cause drowsiness or dizziness.

**· Precautionary statements**

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

Keep container tightly closed.

Ground/bond container and receiving equipment.

Use explosion-proof electrical, ventilating, and lighting equipment

Use only non-sparking tools.

Avoid breathing mist/vapors

Wash skin thoroughly after handling.

Use only outdoors or in a well-ventilated area.

Wear protective gloves; eye protection; face protection.

Do not handle until all safety precautions have been read and understood.

If swallowed: Immediately call a poison center/doctor.

If exposed or concerned: Get medical advice/attention. Do NOT induce vomiting.

Store locked up.

Store in a well-ventilated place. Keep cool.

Take off contaminated clothing and launder before reuse.

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

**· National regulations:**

The product is subject to be classified according with the latest version of the regulations on hazardous substances.

**· State Right to Know**

CAS: 64741-66-8 Naphtha (petroleum), light alkylate

90-100%

H350; Asp. Tox. 1, H304

All ingredients are listed.

**· Information about limitation of use:****· Chemical safety assessment:**

A Chemical Safety Assessment has not been carried out.

(Contd. on page 11)

## Safety Data Sheet (SDS)

OSHA HazCom Standard 29 CFR 1910.1200(g) and GHS Rev 03.

Reviewed on 05/06/2015

Trade name: ECC

### 16 Other information

*Ecolink, Inc. believes the information contained herein is accurate. However, Ecolink makes no warranty, expressed or implied, regarding the accuracy of this data or the results to be obtained by the use thereof. Ecolink, Inc. assumes no responsibility for injury from the use of the product described herein.*

• **Date of preparation / last revision** 05/06/2015

• **Abbreviations and acronyms:**

*ADR: The European Agreement concerning the International Carriage of Dangerous Goods by Road*

*ADN: The European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways*

*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)*

*Asp. Tox. 1: Aspiration hazard, Hazard Category 1*

• SDS created by MSDS Authoring Services [www.msdsauthoring.com](http://www.msdsauthoring.com) (877) 204-9106

us