

## Safety Data Sheet (SDS)

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

Issue date 6/25/2018

Reviewed on 6/25/2018

**\* 1 Identification**

· **Product Identifier**

· **Trade name:** Chafer Wick Fuel

· **CAS Number:**

111-46-6

· **EC number:**

203-872-2

· **Index number:**

603-140-00-6

· **Relevant identified uses of the substance or mixture and uses advised against:**

· **Product Description**

A non-flammable liquid canned heat. The fuel, Diethylene Glycol, is delivered via a fiberglass wick or cotton pad. The product is ignited and burned to provide heat for food warming applications. Available in five different plug/lid devices.

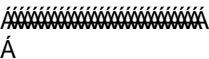
· **Application of the substance / the mixture:**

The fuel, Diethylene Glycol, is held in a metal container and delivered via a Fiberglass wick or cotton pad. The product is ignited and burned to provide heat for food warming applications.

· **Details of the Supplier of the Safety Data Sheet:**

· **Supplier:**

OSCEUSACEJUUOEVOUFAOE  
 GGEI AU SOAP SOE OOSUP OFAUSOA  
 SOP OOEVOUEAUCAI I EG



**2 Hazard(s) Identification**

· **Classification of the substance or mixture:**



Acute Tox. 4 H302 Harmful if swallowed.

· **Label elements:**

· **GHS label elements**

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

· **Hazard pictograms:**



GHS07

· **Signal word:** Warning

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

Diethylene Glycol

· **Hazard statements:**

Harmful if swallowed.

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· **Precautionary statements:**

- Wash thoroughly after handling.
- Do not eat, drink or smoke when using this product.
- IF SWALLOWED: Call a POISON CENTER/doctor if you feel unwell.
- Rinse mouth.
- Dispose of contents/container in accordance with local/regional/national/international regulations.

· **Classification system:**

· **NFPA ratings (scale 0 - 4)**



· **HMS-ratings (scale 0 - 4)**



· **Hazard(s) not otherwise classified (HNOC):** None known

### 3 Composition/Information on Ingredients

· **Chemical characterization:** Substance

- **CAS No. Description**  
111-46-6 diethylene glycol
- **Identification number(s)**
- **EC number:** 203-872-2
- **Index number:** 603-140-00-6

### 4 First-Aid Measures

· **Description of first aid measures:**

· **General information:**

- Symptoms of poisoning may occur after exposure to dust, fumes or particulates; seek medical attention if feeling unwell.
- **After inhalation:** Supply fresh air; consult doctor in case of complaints.
- **After skin contact:**  
Remove contaminated clothes and shoes.  
Immediately wash with water and soap and rinse thoroughly.
- **After eye contact:**  
Rinse opened eye for at least 15 minutes under running water. If symptoms persist, consult a doctor.
- **After swallowing:**  
Immediately call a doctor.  
Harmful or fatal if swallowed.
- **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.

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### 5 Fire-Fighting Measures

**Extinguishing media:****Suitable extinguishing agents:**CO<sub>2</sub>, extinguishing powder or water spray. Fight larger fires with water spray or alcohol resistant foam.**Special hazards arising from the substance or mixture:** No further relevant information available.**Advice for firefighters:****Protective equipment:**

As in any fire, wear self-contained breathing apparatus pressure-demand (NIOSH approved or equivalent) and full protective gear to prevent contact with skin and eyes.

### 6 Accidental Release Measures

**Personal precautions, protective equipment and emergency procedures:** Not required.**Environmental precautions:** Do not allow to enter sewers/ surface or ground water.**Methods and material for containment and cleaning up:**

Absorb with liquid-binding material (i.e. sand, diatomite, acid binders, universal binders, 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:**

Ensure good ventilation/exhaustion at the workplace.

Avoid contact with skin, eyes and clothing

Do not take internally.

Prevent formation of aerosols.

**Information about protection against explosions and fires:** Keep ignition sources away - Do not smoke.**Conditions for safe storage, including any incompatibilities:****Storage****Requirements to be met by storerooms and receptacles:**

Store in a cool, dry place.

Store in a cool, dry place (40 - 120°F or 4 - 49°C).

**Information about storage in one common storage facility:** Not required.**Further information about storage conditions:** No further relevant information available..**Specific end use(s):**

Place can in a fuel holder or under chafer before lighting. Burn can in a level, upright position. Keep away from combustibles (e.g. paper plates and napkins). Keep away from children.

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### 8 Exposure Controls/Personal Protection

**Additional information about design of technical systems:** No further data, see section 7.

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- **Control parameters:**
- **Components with occupational exposure limits:**

<b>111-46-6 Diethylene Glycol</b>
WEEL Long-term value: 10 mg/m <sup>3</sup>
· <b>Additional information:</b> 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:** Do not take internally.
- **Breathing equipment:** Not required.
- **Protection of hands:** Not required.
- **Material of gloves:** Not required under conditions of normal use.
- **Penetration time of glove material:** Not applicable.
- **Eye protection:** Not required.

### 9 Physical and Chemical Properties

**Information on basic physical and chemical properties**

· **General Information**

· **Appearance:**

- |                          |                 |
|--------------------------|-----------------|
| · <b>Form:</b>           | Viscous         |
| · <b>Color:</b>          | Clear           |
| · <b>Odor:</b>           | Vinegar         |
| · <b>Odor threshold:</b> | Not determined. |
| · <b>pH-value:</b>       | Acidic          |

· **Change in condition**

- |                                       |                   |
|---------------------------------------|-------------------|
| · <b>Melting point/Melting range:</b> | -8.5 °C (17 °F)   |
| · <b>Boiling point/Boiling range:</b> | 245.5 °C (474 °F) |

- |                       |                 |
|-----------------------|-----------------|
| · <b>Flash point:</b> | 146 °C (295 °F) |
|-----------------------|-----------------|

- |   |                 |
|---|-----------------|
| · <b>Flammability (solid, gaseous):</b> | Not applicable. |
|---|-----------------|

- |                                |                 |
|--------------------------------|-----------------|
| · <b>Ignition temperature:</b> | 225 °C (437 °F) |
|--------------------------------|-----------------|

- |                                     |                 |
|-------------------------------------|-----------------|
| · <b>Decomposition temperature:</b> | Not determined. |
|-------------------------------------|-----------------|

- |                         |                 |
|-------------------------|-----------------|
| · <b>Auto igniting:</b> | Not determined. |
|-------------------------|-----------------|

- |                               |   |
|-------------------------------|---|
| · <b>Danger of explosion:</b> | Product does not present an explosion hazard. |
|-------------------------------|---|

· **Explosion limits:**

- |                 |           |
|-----------------|-----------|
| · <b>Lower:</b> | 0.7 Vol % |
| · <b>Upper:</b> | 22 Vol %  |

- |  |          |
|--|----------|
| · <b>Vapor pressure @ 20 °C (68 °F):</b> | 0.03 hPa |
|--|----------|

- |                                   |  |
|-----------------------------------|--|
| · <b>Density @ 20 °C (68 °F):</b> | 1.12 g/cm <sup>3</sup> (9.346 lbs/gal) |
|-----------------------------------|--|

- |                            |                 |
|----------------------------|-----------------|
| · <b>Relative density:</b> | Not determined. |
|----------------------------|-----------------|

- |                         |                 |
|-------------------------|-----------------|
| · <b>Vapor density:</b> | Not determined. |
|-------------------------|-----------------|

- |                            |                 |
|----------------------------|-----------------|
| · <b>Evaporation rate:</b> | Not determined. |
|----------------------------|-----------------|

· **Solubility in / Miscibility with:**

- |                 |                                   |
|-----------------|-----------------------------------|
| · <b>Water:</b> | Not miscible or difficult to mix. |
|-----------------|-----------------------------------|

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- **Partition coefficient (n-octanol/water):** Not determined.
- **Viscosity:**
  - Dynamic @ 20 °C (68 °F):** 38 mPas
  - Kinematic:** Not determined.
  - Organic solvents:** 100.0 %
  - VOC content:** 100.0 %
- **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.
- **Possibility of hazardous reactions:** No dangerous reactions known.
- **Conditions to avoid:**
  - High temperatures.
  - Heat, flame and ignition sources.
- **Incompatible materials:** No further relevant information available.
- **Hazardous decomposition products:** No dangerous decomposition products known.

### 11 Toxicological Information

- **Information on toxicological effects:**
- **Acute toxicity:**
- **LD/LC50 values that are relevant for classification:**

#### 111-46-6 Diethylene Glycol

Oral	LD50	12565 mg/kg (rat)
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Dermal	LD50	11890 mg/kg (rabbit)
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- **Primary irritant effect:**
- **On the skin:** No irritating effect.
- **On the eye:** No irritating effect.
- **Additional toxicological information:**
- **Carcinogenic categories:**
- **IARC (International Agency for Research on Cancer):**

- **NTP (National Toxicology Program):**

Substance is not listed.

- **OSHA-Ca (Occupational Safety & Health Administration):**

Substance is not 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.
- **Additional ecological information:**
- **General notes:** Not known to be hazardous to water.



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

#### 14 Transport Information

- **UN-Number:**  
· **DOT, ADR, ADN, IMDG, IATA** Non-Regulated Material
- **UN proper shipping name:**  
· **DOT, ADR, ADN, IMDG, IATA** Non-Regulated Material
- **Transport hazard class(es):**  
· **DOT, ADR, ADN, IMDG, IATA**  
· **Class:** Non-Regulated Material
- **Packing group:**  
· **DOT, ADR, IMDG, IATA** Non-Regulated Material
- **Environmental hazards:** Not applicable.
- **Special precautions for user:** Not applicable.
- **Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code:** Not applicable.
- **UN "Model Regulation":** Non-Regulated Material

\*

#### 15 Regulatory Information

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

· **SARA (Superfund Amendments and Reauthorization):**

· **Section 355 (extremely hazardous substances):**

Substance is not listed.

· **Section 313 (Specific toxic chemical listings):**

Substance is not listed.

· **TSCA (Toxic Substances Control Act):**

Substance is listed.

· **California Proposition 65:**

· **Chemicals known to cause cancer:**

Substance is not listed.

· **Chemicals known to cause reproductive toxicity for females:**

Substance is not listed.

· **Chemicals known to cause reproductive toxicity for males:**

Substance is not listed.

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· **Chemicals known to cause developmental toxicity:**

Substance is not listed.

· **Carcinogenic categories:**

· **EPA (Environmental Protection Agency):**

Substance is not listed.

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

Substance is not listed.

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

Substance is not listed.

· **GHS label elements**

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

· **Hazard pictograms:**



GHS07

· **Signal word:** Warning

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

Diethylene Glycol

· **Hazard statements:**

Harmful if swallowed.

· **Precautionary statements:**

Wash thoroughly after handling.

Do not eat, drink or smoke when using this product.

IF SWALLOWED: Call a POISON CENTER/doctor if you feel unwell.

Rinse mouth.

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

· **National regulations:**

Non-Regulated Material

· **State Right to Know:**

None of the ingredients are listed

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

The information and recommendations in this safety data sheet are, to the best of our knowledge, accurate as of the date of issue. Nothing herein shall be deemed to create warranty, expressed or implied, and shall not establish a legally valid contractual relationship. It is the responsibility of the user to determine applicability of this information and the suitability of the material or product for any particular purpose.

· **Date of preparation / last revision:** 11/03/2015 / 3

· **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



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EINECS: European Inventory of Existing Commercial Chemical Substances  
CAS: Chemical Abstracts Service (division of the American Chemical Society)  
NFPA: National Fire Protection Association (USA)  
HMIS: Hazardous Materials Identification System (USA)  
VOC: Volatile Organic Compounds (USA, EU)  
LC50: Lethal concentration, 50 percent  
LD50: Lethal dose, 50 percent  
PBT: Persistent, Bioaccumulative and Toxic  
vPvB: very Persistent and very Bioaccumulative  
Acute Tox. 4: Acute toxicity, Hazard Category 4

· **\* Data compared to the previous version altered.**

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