

## Safety Data Sheet



according to OSHA HCS (29CFR 1910.1200) and WHMIS 2015 Regulations

Revision: May 16, 2019

### 1 Identification

- **Product identifier**
- **Trade name:** Glycol Wick Fuel, Safe Heat
- **CAS Number:**  
111-46-6
- **Recommended use and restriction on use**
- **Recommended use:** Fuel
- **Restrictions on use:** No relevant information available.
- **Details of the supplier of the Safety Data Sheet**
- **Manufacturer/Supplier:**  
Sterno Products  
1880 Compton Ave. #101  
Corona, CA 92881  
Phone: (951) 682-9600
- **Emergency telephone number:**  
ChemTel Inc.  
(800)255-3924 (North America)  
+1 (813)248-0585 (International)

### 2 Hazard(s) identification

- **Classification of the substance or mixture**  
Acute Tox. 4 H302 Harmful if swallowed.  
STOT RE 2 H373 May cause damage to the kidneys through prolonged or repeated exposure. Route of exposure: Oral.
- **Label elements**
- **GHS label elements**  
The product is classified and labeled according to the Globally Harmonized System (GHS).
- **Hazard pictograms:**  
  
GHS07 GHS08
- **Signal word:** Warning
- **Hazard statements:**  
H302 Harmful if swallowed.  
H373 May cause damage to the kidneys through prolonged or repeated exposure. Route of exposure: Oral.
- **Precautionary statements:**  
P260 Do not breathe vapors.  
P264 Wash thoroughly after handling.  
P270 Do not eat, drink or smoke when using this product.  
P314 Get medical advice/attention if you feel unwell.  
P330 Rinse mouth.  
P501 Dispose of contents/container in accordance with local/regional/national/international regulations.
- **Other hazards** There are no other hazards not otherwise classified that have been identified.

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### 3 Composition/information on ingredients

- **Chemical characterization: Substances**
- **CAS No. Description**  
111-46-6 diethylene glycol

### 4 First-aid measures

- **Description of first aid measures**
- **After inhalation:** Supply fresh air; consult doctor in case of complaints.
- **After skin contact:**  
Generally the product does not irritate the skin.  
Rinse with warm water.
- **After eye contact:**  
Remove contact lenses if worn.  
Rinse opened eye for several minutes under running water. If symptoms persist, consult a doctor.
- **After swallowing:**  
Rinse out mouth and then drink plenty of water.  
Do not induce vomiting; immediately call for medical help.
- **Most important symptoms and effects, both acute and delayed:**  
Headache  
Dizziness  
Cramp  
Nausea  
Gastric or intestinal disorders
- **Danger:** Danger of convulsion.
- **Indication of any immediate medical attention and special treatment needed:**  
Medical supervision for at least 48 hours.

### 5 Fire-fighting measures

- **Extinguishing media**
- **Suitable extinguishing agents:**  
CO<sub>2</sub>, extinguishing powder or water spray. Fight larger fires with water spray.
- **For safety reasons unsuitable extinguishing agents:** None.
- **Special hazards arising from the substance or mixture** No relevant information available.
- **Advice for firefighters**
- **Protective equipment:**  
Wear self-contained respiratory protective device.  
Wear fully protective suit.
- **Additional information:** Cool endangered receptacles with water spray.

### 6 Accidental release measures

- **Personal precautions, protective equipment and emergency procedures**  
Particular danger of slipping on leaked/spilled product.  
Wear protective equipment. Keep unprotected persons away.

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Keep away from ignition sources.

- **Environmental precautions**

Avoid release to the environment.

Prevent from spreading (e.g. by damming-in or oil barriers).

- **Methods and material for containment and cleaning up**

Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).

- **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:** No special precautions are necessary if used correctly.

- **Information about protection against explosions and fires:**

Keep ignition sources away - Do not smoke.

- **Conditions for safe storage, including any incompatibilities**

- **Requirements to be met by storerooms and receptacles:** Store in a cool location.

- **Information about storage in one common storage facility:**

Store away from foodstuffs.

Do not store together with oxidizing and acidic materials.

Do not store together with alkalis (caustic solutions).

- **Specific end use(s)** No relevant information available.

### 8 Exposure controls/personal protection

- **Control parameters**

- **Components with limit values that require monitoring at the workplace:**

**111-46-6 diethylene glycol**

WEEL (USA) | Long-term value: 10 mg/m<sup>3</sup>

- **Exposure controls**

- **General protective and hygienic measures:**

Keep away from foodstuffs, beverages and feed.

Wash hands before breaks and at the end of work.

- **Engineering controls:** No relevant information available.

- **Breathing equipment:** Not necessary if room is well-ventilated.

- **Protection of hands:**

Wear protective gloves to handle contents of damaged or leaking units.

Protection may be required for spills.

The glove material has to be impermeable and resistant to the product/ the substance/ the preparation.

- **Eye protection:**



Safety glasses

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Follow relevant national guidelines concerning the use of protective eyewear.

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**9 Physical and chemical properties****· Information on basic physical and chemical properties****· Appearance:**

Form:	Fluid
Color:	Colorless
Odor:	Nearly odorless
Odor threshold:	Not determined.

pH-value:	Not determined.
Melting point/Melting range:	-8.5 °C (16.7 °F)
Boiling point/Boiling range:	245 °C (473 °F)

Flash point:	120 °C (248 °F)
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Flammability (solid, gaseous):	Not applicable.
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Auto-ignition temperature:	225 °C (437 °F)
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Decomposition temperature:	Not determined.
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Danger of explosion:	Product does not present an explosion hazard.
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**· Explosion limits**

Lower:	0.7 Vol %
Upper:	22 Vol %

Oxidizing properties:	Not determined.
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Vapor pressure at 20 °C (68 °F):	0.03 hPa (0 mm Hg)
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Density at 20 °C (68 °F):	3.66 g/cm <sup>3</sup> (30.54 lbs/gal)
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Relative density:	Not determined.
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Vapor density:	Not determined.
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Evaporation rate:	Not determined.
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**· Solubility in / Miscibility with**

Water:	Not miscible or difficult to mix.
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Partition coefficient (n-octanol/water):	Not determined.
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**· Viscosity**

Dynamic:	Not determined.
Kinematic:	Not determined.

Other information	No relevant information available.
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**10 Stability and reactivity**

- **Reactivity:** No relevant information available.
- **Chemical stability:**
- **Thermal decomposition / conditions to be avoided:**  
No decomposition if used according to specifications.

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- **Possibility of hazardous reactions** Reacts with strong acids.
- **Conditions to avoid** Excessive heat.
- **Incompatible materials** Oxidizers, strong bases, strong acids
- **Hazardous decomposition products** Carbon monoxide and carbon dioxide

## 11 Toxicological information

### • Information on toxicological effects

#### • Acute toxicity:

#### • LD/LC50 values that are relevant for classification:

##### 111-46-6 diethylene glycol

Oral LD50 1120 mg/kg (man)

12565 mg/kg (rat)

Dermal LD50 11890 mg/kg (rabbit)

#### • Primary irritant effect:

• **On the skin:** Based on available data, the classification criteria are not met.

• **On the eye:** Based on available data, the classification criteria are not met.

• **Sensitization:** No sensitizing effects known.

#### • IARC (International Agency for Research on Cancer):

Substance is not listed.

#### • NTP (National Toxicology Program):

Substance is not listed.

#### • OSHA-Ca (Occupational Safety & Health Administration):

Substance is not listed.

#### • Probable route(s) of exposure:

Skin contact.

Eye contact.

• **Acute effects (acute toxicity, irritation and corrosivity):** Harmful if swallowed.

• **Germ cell mutagenicity:** Based on available data, the classification criteria are not met.

• **Carcinogenicity:** Based on available data, the classification criteria are not met.

• **Reproductive toxicity:** Based on available data, the classification criteria are not met.

• **STOT-single exposure:** Based on available data, the classification criteria are not met.

#### • STOT-repeated exposure:

May cause damage to the kidneys through prolonged or repeated exposure. Route of exposure: Oral.

• **Aspiration hazard:** Based on available data, the classification criteria are not met.

## 12 Ecological information

### • Toxicity

• **Aquatic toxicity** No relevant information available.

• **Persistence and degradability** No relevant information available.

• **Bioaccumulative potential:** No relevant information available.

• **Mobility in soil:** No relevant information available.

• **Other adverse effects** No relevant information available.

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#### 13 Disposal considerations

· **Waste treatment methods**

· **Recommendation:**

Can be burned with household garbage after consulting with the waste disposal facility operator and the pertinent authorities and adhering to the necessary technical regulations.

The user of this material has the responsibility to dispose of unused material, residues and containers in compliance with all relevant local, state and federal laws and regulations regarding treatment, storage and disposal for hazardous and nonhazardous wastes.

· **Uncleaned packagings**

· **Recommendation:** Disposal must be made according to official regulations.

#### 14 Transport information

· **UN-Number**

· DOT, ADR/RID/ADN, IMDG, IATA Not regulated.

· **UN proper shipping name**

· DOT, ADR/RID/ADN, IMDG, IATA Not regulated.

· **Transport hazard class(es)**

· DOT, ADR/RID/ADN, IMDG, IATA

· Class Not regulated.

· **Packing group**

· DOT, ADR/RID/ADN, IMDG, IATA Not regulated.

· **Environmental hazards**

· Marine pollutant: No

· **Special precautions for user**

Not applicable.

· **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**

· **United States (USA)**

· **SARA**

· **Section 302 (extremely hazardous substances):**

Substance is not listed.

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

Substance is not listed.

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

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Substance is not listed.

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

Substance is listed

**· Proposition 65 (California)****· Chemicals known to cause cancer:**

Substance is not listed.

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

Substance is not listed.

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

Substance is not listed.

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

Substance is not listed.

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

Substance is not listed.

**· IARC (International Agency for Research on Cancer):**

Substance is not listed.

**· Canadian Domestic Substances List (DSL): (Substances not listed.)**

Substance is listed.

### 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: 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

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

LC50: Lethal concentration, 50 percent

LD50: Lethal dose, 50 percent

OSHA: Occupational Safety &amp; Health Administration

Acute Tox. 4: Acute toxicity – Category 4

STOT RE 2: Specific target organ toxicity (repeated exposure) – Category 2

**· Sources**Website, European Chemicals Agency ([echa.europa.eu](http://echa.europa.eu))Website, US EPA Substance Registry Services ([ofmpub.epa.gov/sorinternet/registry/substreg/home/overview/home.do](http://ofmpub.epa.gov/sorinternet/registry/substreg/home/overview/home.do))Website, Chemical Abstracts Registry, American Chemical Society ([www.cas.org](http://www.cas.org))

Patty's Industrial Hygiene, 6th ed., Rose, Vernon, ed. ISBN: 978-0-470-07488-6

Casarett and Doull's Toxicology: The Basic Science of Poisons, 8th Ed., Klaasen, Curtis D., ed., ISBN: 978-0-07-176923-5.

Safety Data Sheets, Individual Manufacturers

SDS Prepared by:

ChemTel Inc.

1305 North Florida Avenue

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