

# Safety Data Sheet

according to 1907/2006/EC (REACH), 1272/2008/EC (CLP), and  
GHS

Printing date 19.02.2016


Revision: 19.02.2016

## 1 Identification of the substance/mixture and of the company/undertaking


- **1.1 Product identifier**
- **Trade name:** Glycol Wick Fuel, Safe Heat
- **CAS Number:**  
111-46-6
- **EC number:**  
203-872-2
- **Index number:**  
603-140-00-6
- **1.2 Relevant identified uses of the substance or mixture and uses advised against**  
No further relevant information available.
- **Application of the substance / the preparation** Fuel
- **1.3 Details of the supplier of the Safety Data Sheet**
- **Manufacturer/Supplier:**  
Sterno Products  
1880 Compton Ave. 101  
Corona, CA 92881  
Phone: 951-682-9600
- **Further information obtainable from:** Product Safety Department
- **1.4 Emergency telephone number:**  
ChemTel Inc.  
(800)255-3924, +1 (813)248-0585




## 2 Hazards identification

- **2.1 Classification of the substance or mixture**
- **Classification according to Regulation (EC) No 1272/2008**  
 GHS07  
 Acute Tox. 4 H302 Harmful if swallowed.

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- **Classification according to Directive 67/548/EEC or Directive 1999/45/EC**  
 Xn; Harmful  
 R22: Harmful if swallowed.
- **Information concerning particular hazards for human and environment:** Not applicable.

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- **2.2 Label elements**
- **Labelling according to Regulation (EC) No 1272/2008**  
The substance is classified and labelled according to the CLP regulation.
- **Hazard pictograms**  
  
 GHS07
- **Signal word** Warning

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- **Hazard-determining components of labelling:**

2,2'-oxybisethanol

- **Hazard statements**

H302 Harmful if swallowed.

- **Precautionary statements**

P101 If medical advice is needed, have product container or label at hand.

P102 Keep out of reach of children.

P103 Read label before use.

P264 Wash thoroughly after handling.

P270 Do not eat, drink or smoke when using this product.

P301+P312 IF SWALLOWED: Call a POISON CENTER or doctor/physician if you feel unwell.

P330 Rinse mouth.

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

- **Additional information:**

Safety data sheet available on request.

- **Hazard description:**

- **WHMIS-symbols:**

D1B - Toxic material causing immediate and serious toxic effects



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



Health = 2

Fire = 1

Reactivity = 0

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



Health = 2

Fire = 1

Reactivity = 0

- **HMIS Long Term Health Hazard Substances**

Substance is not listed.

- **2.3 Other hazards**

- **Results of PBT and vPvB assessment**

- **PBT:** Not applicable.

- **vPvB:** Not applicable.

## 3 Composition/information on ingredients

- **3.1 Substances**

- **CAS No. Description**

111-46-6 2,2'-oxybisethanol

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- **Identification number(s)**
- **EC number:** 203-872-2
- **Index number:** 603-140-00-6

## 4 First aid measures

### · 4.1 Description of first aid measures

#### · **General information:**

Symptoms of poisoning may even occur after several hours; therefore medical observation for at least 48 hours after the accident.

- **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:**

Do not induce vomiting; call for medical help immediately.

Call for a doctor immediately.

### · 4.2 Most important symptoms and effects, both acute and delayed

Headache

Dizziness

Cramp

Nausea

Gastric or intestinal disorders

### · **Hazards**

Danger of convulsion.

Condition may deteriorate with alcohol consumption.

### · 4.3 Indication of any immediate medical attention and special treatment needed

Medical supervision for at least 48 hours.

## 5 Firefighting measures

### · 5.1 Extinguishing media

- **Suitable extinguishing agents:** Use fire extinguishing methods suitable to surrounding conditions.

- **5.2 Special hazards arising from the substance or mixture** No further relevant information available.

### · 5.3 Advice for firefighters

#### · **Protective equipment:**

Wear self-contained respiratory protective device.

Wear fully protective suit.

- **Additional information** Cool endangered receptacles with water spray.

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## 6 Accidental release measures

- **6.1 Personal precautions, protective equipment and emergency procedures**  
Particular danger of slipping on leaked/spilled product.  
Wear protective equipment. Keep unprotected persons away.  
Keep away from ignition sources.
- **6.2 Environmental precautions:** Prevent from spreading (e.g. by damming-in or oil barriers).
- **6.3 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.
- **6.4 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

- **7.1 Precautions for safe handling**  
No special precautions are necessary if used correctly.  
Prevent formation of aerosols.
- **Information about fire - and explosion protection:** Keep ignition sources away - Do not smoke.
- **7.2 Conditions for safe storage, including any incompatibilities**
- **Storage:**
- **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).
- **Further information about storage conditions:** Store in cool, dry conditions in well sealed receptacles.
- **7.3 Specific end use(s)** No further relevant information available.

## 8 Exposure controls/personal protection

- **Additional information about design of technical facilities:** No further data; see item 7.

- **8.1 Control parameters**

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

|                             |
|-----------------------------|
| 111-46-6 2,2'-oxybisethanol |
|-----------------------------|

|                                   |
|-----------------------------------|
| WEEL (USA)   10 mg/m <sup>3</sup> |
|-----------------------------------|

- **Additional information:** The lists valid during the making were used as basis.

- **8.2 Exposure controls**
- **Personal protective equipment:**
- **General protective and hygienic measures:**  
Keep away from foodstuffs, beverages and feed.

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- Wash hands before breaks and at the end of work.
- **Respiratory protection:** Not necessary if room is well-ventilated.
- **Protection of hands:** Not required.
- **Material of gloves:** Not required.
- **Eye protection:**



Safety glasses

## 9 Physical and chemical properties

### · 9.1 Information on basic physical and chemical properties

#### · General Information

#### · Appearance:

|                    |                  |
|--------------------|------------------|
| Form:              | Fluid            |
| Colour:            | Colourless       |
| · Odour:           | Nearly odourless |
| · Odour threshold: | Not determined.  |

· pH-value: Not determined.

#### · Change in condition

|                              |         |
|------------------------------|---------|
| Melting point/Melting range: | -8,5 °C |
| Boiling point/Boiling range: | 245 °C  |

· Flash point: 120 °C

· Flammability (solid, gaseous): Not applicable.

· Ignition temperature: 225 °C

· Decomposition temperature: Not determined.

· Self-igniting: Not determined.

· Danger of explosion: Product does not present an explosion hazard.

#### · Explosion limits:

|        |           |
|--------|-----------|
| Lower: | 0,7 Vol % |
| Upper: | 22 Vol %  |

· Vapour pressure at 20 °C: 0,03 hPa

|                     |                        |
|---------------------|------------------------|
| · Density at 20 °C: | 3,66 g/cm <sup>3</sup> |
| · Relative density  | Not determined.        |
| · Vapour density    | Not determined.        |
| · Evaporation rate  | Not determined.        |

· Solubility in / Miscibility with water: Not miscible or difficult to mix.

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- **Partition coefficient (n-octanol/water):** Not determined.
- **Viscosity:**
  - Dynamic:** Not determined.
  - Kinematic:** Not determined.
- **9.2 Other information** Not further relevant information available.

## 10 Stability and reactivity

- **10.1 Reactivity**
- **10.2 Chemical stability**
- **Thermal decomposition / conditions to be avoided:**  
No decomposition if used according to specifications.
- **10.3 Possibility of hazardous reactions** Reacts with strong acids.
- **10.4 Conditions to avoid** No further relevant information available.
- **10.5 Incompatible materials:** No further relevant information available.
- **10.6 Hazardous decomposition products:** Carbon monoxide and carbon dioxide

## 11 Toxicological information

- **11.1 Information on toxicological effects**
- **Acute toxicity:**

· **LD/LC50 values relevant for classification:**

### 111-46-6 2,2'-oxybisethanol

|        |      |                      |
|--------|------|----------------------|
| Oral   | LD50 | 12565 mg/kg (rat)    |
| Dermal | LD50 | 11890 mg/kg (rabbit) |

- **Primary irritant effect:**
- **on the skin:** No irritant effect.
- **on the eye:** Slight irritant effect on eyes.
- **Sensitization:** No sensitizing effects known.

## 12 Ecological information

- **12.1 Toxicity**
- **Aquatic toxicity:** No further relevant information available.
- **12.2 Persistence and degradability** No further relevant information available.
- **12.3 Bioaccumulative potential** No further relevant information available.
- **12.4 Mobility in soil** No further relevant information available.
- **12.5 Results of PBT and vPvB assessment**
- **PBT:** Not applicable.
- **vPvB:** Not applicable.

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· **12.6 Other adverse effects** No further relevant information available.

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## 13 Disposal considerations

· **13.1 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.  
Must not be disposed 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

· **14.1 UN-Number**

· DOT, ADR, ADN, IMDG, IATA N/A

· **14.2 UN proper shipping name**

· DOT, ADR, ADN, IMDG, IATA N/A

· **14.3 Transport hazard class(es)**

· DOT, ADR, ADN, IMDG, IATA

· Class N/A

· **14.4 Packing group**

· DOT, ADR, IMDG, IATA N/A

· **14.5 Environmental hazards:**

· Marine pollutant: No

· **14.6 Special precautions for user**

Not applicable.

· **14.7 Transport in bulk according to Annex II of  
MARPOL73/78 and the IBC Code**

Not applicable.

· **UN "Model Regulation":**

-

## 15 Regulatory information

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

· United States (USA)

· SARA

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

Substance is not listed.

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|  |                    |
|--|--------------------|
| <b>· Section 313 (Specific toxic chemical listings):</b> |                    |
| 111-46-6   | 2,2'-oxybisethanol |

|   |  |
|---|--|
| <b>· TSCA (Toxic Substances Control Act):</b> |  |
| Substance is listed.                          |  |

|                                       |  |
|---------------------------------------|--|
| <b>· Proposition 65 (California):</b> |  |
| Substance is not listed.              |  |

|   |  |
|---|--|
| <b>· Chemicals known to cause cancer:</b> |  |
| Substance is not listed.                  |  |

|  |  |
|--|--|
| <b>· Chemicals known to cause reproductive toxicity for females:</b> |  |
| Substance is not listed.   |  |

|  |  |
|--|--|
| <b>· Chemicals known to cause reproductive toxicity for males:</b> |  |
| Substance is not listed.   |  |

|   |  |
|---|--|
| <b>· Chemicals known to cause developmental toxicity:</b> |  |
| Substance is not listed.                                  |  |

|  |  |
|--|--|
| <b>· Carcinogenic Categories</b>               |  |
| <b>· EPA (Environmental Protection Agency)</b> |  |
| Substance is not listed.                       |  |

|   |  |
|---|--|
| <b>· IARC (International Agency for Research on Cancer)</b> |  |
| Substance is not listed.                                    |  |

|   |  |
|---|--|
| <b>· TLV (Threshold Limit Value established by ACGIH)</b> |  |
| Substance is not listed.                                  |  |

|   |  |
|---|--|
| <b>· NIOSH-Ca (National Institute for Occupational Safety and Health)</b> |  |
| Substance is not listed.  |  |

|  |  |
|--|--|
| <b>· OSHA-Ca (Occupational Safety &amp; Health Administration)</b> |  |
| Substance is not listed.   |  |

|  |  |
|--|--|
| <b>· Canada</b>                                  |  |
| <b>· Canadian Domestic Substances List (DSL)</b> |  |
| Substance is listed.                             |  |

|   |  |
|---|--|
| <b>· Canadian Ingredient Disclosure list (limit 0.1%)</b> |  |
| Substance is not listed.                                  |  |

|   |  |
|---|--|
| <b>· Canadian Ingredient Disclosure list (limit 1%)</b> |  |
| Substance is not listed.                                |  |

|   |  |
|---|--|
| <b>· 15.2 Chemical safety assessment:</b> | 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.

|  |  |
|--|--|
| <b>· Abbreviations and acronyms:</b>   |  |
| ADR: Accord européen sur le transport des marchandises dangereuses par Route (European Agreement concerning the International Carriage of Dangerous Goods by Road) |  |

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IMDG: International Maritime Code for Dangerous Goods  
DOT: US Department of Transportation  
IATA: International Air Transport Association  
GHS: Globally Harmonized System of Classification and Labelling of Chemicals  
ACGIH: American Conference of Governmental Industrial Hygienists  
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)  
WHMIS: Workplace Hazardous Materials Information System (Canada)  
LC50: Lethal concentration, 50 percent  
LD50: Lethal dose, 50 percent

**Sources**

SDS Prepared by:  
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