

Safety Data Sheet
According to 1907/2006/EC (REACH), 1272/2008/EC (CLP), and GHS

Printing date: 01.01.2015

Revision: .01.01.2015

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

1.1. Product identifier

Trade name: Glycol Wick Fuel; Pure Heat; Heat All

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:

Lamp Service Products
222 East Meats Avenue
Orange, CA 92865
Phone: 714-288-9140



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.

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:

The product has to be labeled due to the calculation procedure of the "General Classification guidelines for preparations of the EU in the latest valid version.

Classification system:

The classification is according to the latest editions of the EU-lists, and extended by company and literature data. The classification is in accordance with the latest editions of international substances lists, and is supplemented by information from technical literature and by information provided by the company.

2.2 Label elements

Labeling according to Regulation (EC) No 1272/2008

The product is classified and labeled according to the CLP regulation

(Contd. On page 2)

Safety Data Sheet
According to 1907/2006/EC (REACH), 1272/2008/EC (CLP), and GHS

Printing date: 01.01.2015

Revision: .01.01.2015

Trade Name: Glycol Wick Fuel; Pure Heat; Heat All

(Contd. On page 1)

Hazard pictograms



GHS07

Signal Word: Warning

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

Additional information: Safety data sheet available on request.

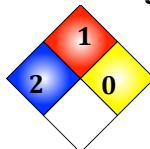
Hazard Description:

WHMIS-symbols:

D1B - Toxic material causing immediate and serious toxic effects

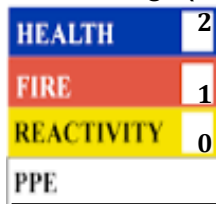


NFPA ratings (scale 0 – 4)



Health = 2
Fire = 1
Reactivity = 0

HMIS Ratings (scale 0 – 4)



Health = 2
Fire = 1
Reactivity = 0

HMIS Long Term Health Hazard Substances

None of the ingredients are listed.

2.3 Other hazards

Results of PBT and vPvB assessment

PBT: Not applicable.

vPvB: Not applicable

Safety Data Sheet
According to 1907/2006/EC (REACH), 1272/2008/EC (CLP), and GHS

Printing date: 01.01.2015



Revision: .01.01.2015

Trade Name: Glycol Wick; Pure Heat ; Heat All

(Contd. On page 2)

3 Composition/ information on ingredients

Dangerous Components:

CAS: 111-46-6 EINECS: 203-872-2 Index number: 603-140-00-6	2, 2'-oxybisethanol; diethylene Glycol  Xn R22 -----  Acute Tox, 4, H302	100%
--	---	------

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 accident.

After inhalation: Supply fresh air; consult doctor in case of complaints.

After skin contact: Clean with water and soap.

If skin irritation continues, consult a doctor.

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; call for medical help immediately.

4.2 Most important symptoms and effects, both acute and delayed

Nausea, Cramp, Thirst

Hazards: No further relevant information available.

4.3 Indication of any immediate medical attention and special treatment needed

Contains diethylene glycol. Consult literature for specific antidotes. If swallowed, gastric irrigation. 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.

For safety reasons unsuitable fire extinguishing agents: None.

5.2 Special hazards arising from substance/mixture: In case of fire Carbon Monoxide (CO) can be released. Under certain fire conditions, traces of other toxic gases cannot be excluded.

5.3 Advise for firefighters. Protective equipment: Wear self-contained respiratory protective device. Wear fully protective suit.

Additional information: Cool endangered receptacles with water spray.

Safety Data Sheet

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

Printing date: 01.01.2015

Revision: .01.01.2015

Trade Name: Glycol Wick; Pure Heat; Heat All

(Contd. On page 3)

6 Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

Ensure adequate ventilation. Keep away from children. Wear protective clothing.

6.2 Environmental precautions: Do not allow product to enter sewers/ surface or ground water.

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: Use only in well-ventilated areas. Store in cool, dry place in tightly closed receptacles.

Information about fire – and explosion protection: Keep ignition sources away – Do not smoke.

7.2 Conditions for safe storage, including and incompatibilities.

Storage: Requirements to be met by storerooms and receptacles: Store in a cool location. Avoid storage near extreme heat, ignition sources or open flame. Protect from humidity and water.

Information about storage in one common storage facility: Store away from foodstuffs. Store away from oxidizing agents. Do not store together with acids.

Further information about storage conditions: Store in cool, dry conditions in well sealed Receptacles. Protect from heat and direct sunlight.
Keep container tightly sealed.

7.3 Specific end use(s): No further relevant information available.

8 Exposure controls/ personal protection

8.1 Control parameters

Ingredients with limit values that require monitoring at the workplace:

111-46-6 2,2- oxybisethanol; diethylene glycol

WEEL (USA)

10 mg/m³

DNELs: No further relevant information available.

PNECs: No further relevant information available.

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

8.2 Exposure controls

Personal protective equipment:

General protective and hygienic measures: Wash hands before breaks and at the end of work, keep away from foodstuffs, beverages and feed. Avoid contact with eyes and skin.

Safety Data Sheet

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

Printing date: 01.01.2015

Revision: 01.01.2015

Trade Name: Glycol Wick; Pure Heat; Heat All

(Contd. On page 4)

Respiratory protection: Not required under normal conditions of use. For spills, respiratory protection may be advisable.

Protection of hands: The glove material has to be impermeable and resistant to the product/ the substance/ the preparation. Due to missing tests no recommendation to the glove material can be given for the product/ the preparation/ the chemical mixture. Selection of glove material on consideration of the penetration times, rates of diffusion and the degradation.

Material of gloves

The selection of the suitable gloves does not only depend on the material, but also on further marks of substances, the resistance of the glove material can 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 found out by the manufacturer of the protective glove and has to be observed.

For the permanent contact gloves made of the following materials are suitable: Rubber gloves.

Eye protection:



Safety glasses

Body protection: Light weight protective clothing.

9 Physical and chemical properties

9.1 Information on basic physical and chemical properties

General Information

Form: Liquid
Color: Colorless

Odor: Odorless
Odor Threshold: Not determined.

pH-value: Not determined.

Change in condition

Melting point/ Melting range: Undetermined.
Boiling point/ Boiling range: 387°F / 197°C

Flash point: 232°F / 111°C

Flammability (solid, gaseous): Not applicable

Ignition temperature: >362°F / >200°C

Decomposition temperature: Not determined.

Self-igniting: Product is not self-igniting.

Danger of explosion: Product is not present an explosive hazard.

Safety Data Sheet

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

Printing date: 01.01.2015

Revision: 01.01.2015

Trade Name: Glycol Wick; Pure Heat; Heat All		(Contd. On page 5)
Exposure limits:		
Lower:		0,7 Vol %
Upper:		53,0 Vol %
Vapor pressure at 20 °C: 0,1 hPa		
Density at 20 °C: 1,12 g/cm ³		
Relative density: Not determined.		
Vapor density: Not determined.		
Evaporation rate: Not determined.		
Solubility in/ Miscibility with Water: Partly soluble.		
Partition coefficient (n-octanol/water): Not determined.		
Viscosity:		
Dynamic:		Not determined.
Kinematic:		Not determined.
10 Stability and reactivity		
10.1 Reactivity		
10.2 Chemical stability		
Thermal decomposition / conditions to be avoided: No decomposition is used according to specifications.		
10.3 Possibility of hazardous reactions: Reacts with oxidizing agents. Reacts with strong acids and alkali. Danger of receptacles bursting because of high vapor pressure when heated. Toxic fumes may be released if heated above the decomposition point.		
10.4 Conditions to avoid: Keep ignition sources away – Do not smoke. Store away from oxidizing agents.		
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 (diethylene glycol)		
Oral	LD50	12565 mg/kg (rat)
Dermal	LD50	11890 mg/kg (rabbit)
Primary irritant effect:		
On the skin: No irritant effect.		
On the eye: No irritating effect.		
Sensitization: no sensitizing effects known.		

Safety Data Sheet

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

Printing date: 01.01.2015

Revision: 01.01.2015

Trade Name: Glycol Wick; Pure Heat; Heat All

(Contd. On page 6)

Additional toxicological information: The product shows the following dangers according to the calculation method of the General EU Classification Guidelines for Preparations as issued in the latest version: Harmful. Vapors have narcotic effect.

12 Ecological information

12.1 Toxicity

Aquatic toxicity: no further relevant information available.

12.2 Persistence and degradability: biodegradable

12.3 Bioaccumulative potential: Does not accumulate in organisms.

12.4 Mobility in soil: No further relevant information available.

Additional ecological information:

General Notes: This statement was deduced from the properties of the single components. Due to available data on eliminability/ decomposition and bioaccumulation potential a prolonged damage of the environment is unlikely.

12.5 Results of PBT and vPvB assessment

PBT: Not applicable.

vPvB: Not applicable.

12.6 Other adverse effects: No further relevant information available.

13 Disposal considerations

13.1 Waste treatment methods

Recommendation:

Must not be disposed together with household garbage. Do not allow product to reach sewage system. 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.

Uncleaned packaging:

Recommendation: Disposal must be made according to official regulations.

Recommended cleansing agents: Water, if necessary together with cleansing agents.

14 Transport information

14.1 UN-Number:

DOT, ADR, IMDG, IATA N/A

14.2 UN proper shipping name:

DOT, IMDG, IATA
ADR, ADN N/A

14.3 Transport hazard class(es):

DOT, ADR, AND, IMDG, IATA
Class N/A

14.4 Packaging group

DOT, ADR, IMDG, IATA: N/A

14.5 Environmental hazards:

Marine pollutant: No

Safety Data Sheet

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

Printing date: 01.01.2015

Revision: 01.01.2015

Trade Name: Glycol Wick; Pure Heat; Heat All	(Contd. On page 7)
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):
None of the ingredients listed.
Section 313 (Specific toxic chemical listings):
None of the ingredients is listed.
TSCA (Toxic Substances Control Act):
All ingredients are listed.
Proposition 65 (California) / 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.
Carcinogenic Categories: EPA (Environmental Protection Agency) None of the ingredients is listed.

Safety Data Sheet

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

Printing date: 01.01.2015

Revision: .01.01.2015

Trade Name: Glycol Wick; Pure Heat; Heat All	(Contd. On page 8)
IARC (International Agency for Research on Cancer) None of the ingredients is listed.	
TLV (Threshold Limit Value established by ACGIH) None of the ingredients is listed.	
NIOSH-Ca (National Institute for Occupational Safety and Health) None of the ingredients is listed.	
OSHA-Ca (Occupational Safety & Health Administration) None of the ingredients is listed.	
Canada Canadian Domestic Substances List (DSL) All ingredients are listed.	
Canadian Ingredient Disclosure List (limit 0.1%) None of the ingredients is listed.	
Canadian Ingredient Disclosure List (limit 1%) None of the ingredients is listed.	
15.2 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.

Relevant phrases:

H302: Harmful if swallowed
R22: Harmful if swallowed

Abbreviations and acronyms:

ADR: Accord europeen sur le transport des marchandises dangerous par Route (European Agreement concerning the International Carriage of Dangerous Goods by Road)
IMDG: International Maritime Code for Dangerous Goods.
DOT: Department of Transportation
IATA: International Air Transport Association
GHS: Globally Harmonized System of Classification and Labeling of Chemicals
ACGIH: American Conference of Governmental Industrial Hygienists
NFPA: National Fire Protection Association (USA)

Safety Data Sheet

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

Printing date: 01.01.2015

Revision: .01.01.2015

Trade Name: Glycol Wick; Pure Heat; Heat All

(Contd. On page 9)

HMIS: Hazardous Materials identification System (USA)

WHMIS: Workplace Hazardous Materials Information System (Canada)

DNEL: Derived No-Effect Level (REACH)

PNEC: Predicted No-Effect Concentration (REACH)

LC50: Lethal concentration, 50%

LD50: Lethal dose, 50 %

Sources:

SDS Prepared by:

Lamp Service Products

222 East Meats Avenue

Orange, CA 92865

(714) 288-9140

www.lampserviceproducts.com