

Blaze Products Corporation urges the customer receiving this Safety Data Sheet (SDS) to study it carefully to become aware of hazards, if any, of the product involved. In the interest of safety, you should: (1) notify your employees, agents, and contractors of the information on this sheet, and (2) furnish a copy to each of your customers to inform their employees and customers as well.

1. IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY UNDERTAKING

1.1. Product identifier

Product name	FOR ALL LIQUID WICK PACKAGING LIQUID BLAZE (Except CW300)
Synonym(s)	2,2-Oxybisethanol, Diethylene Glycol (Chemical family: Glycol)
CAS number	111-46-6
EC number	203-872-2
Index number	603-140-00-6

1.2. Relevant identified uses of the substance and uses advised against

Applications	This product is used for warming foods, sauces and beverages. It should be used in chafing dishes only. Keep out of reach of children and pets.
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1.3. Details of the supplier of the safety data sheet

Name	BLAZE Products Corporation
Address	P. O. Box 1409 Shelbyville, Kentucky 40066-1409
Telephone	(502) 633-0650
Contact email	Chemtrec: 1-800-424-9300 or 1-703-527-3887

1.4. Emergency telephone number

Telephone	USA: 24 hr Emergency Assistance: 1-800-424-9300 day or night Outside the continental United States: 1-703-527-3887 (collect calls accepted). (CHEMTREC) 1-202-483-7616 (Other Countries)
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2. HAZARDS IDENTIFICATION

2.1.1. Classification of the mixture according to the directive 67/548/EEC (DSD)



Xn; HARMFUL



N: Environmental Hazard

2.1.2. Classification of the mixture according to the regulation (EC) no. 1272/2008 (CLP)

Acute Tox. 4

H302 Harmful if swallowed.

2.2. Label elements according to the regulation (EC) no. 1272/2008 (CLP)

Hazard pictograms



GHS07

Signal word

Warning

Hazard statements

H302 Harmful if swallowed.
H316 Causes mild irritation
May cause respiratory irritation
H320 Causes eye irritation
H333 May be harmful if inhaled
H335 May cause respiratory irritation
H373 May cause damage to organs by prolonged or repeated exposure if swallowed.
H401 Toxic to aquatic life.

Precautionary statements
– Prevention

P264 Wash hands thoroughly after handling.
P270 Do not eat, drink or smoke when using this product.

Precautionary statements
– Response

P301 + P315 IF SWALLOWED: Call a POISON CENTER or doctor/physician if you feel unwell.
P305 + P351 + P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, continue rinsing.
P337 + P313 If eye irritation persist get medical attention.

Precautionary statements
– Storage

P233 Keep container tightly closed and store in a cool, well ventilated place.

Precautionary statements
– Disposal

P501 Dispose of contents/container in accordance with *local and national regulations*.
P273 Avoid release into environment

NFPA Ratings (scale 0 – 4)

Health = 1, Fire = 1, Reactivity = 0



HMIS Ratings (scale 0 – 4)

Health = 1, Fire = 1, Reactivity = 0

HEALTH	1
FLAMMABILITY	1
REACTIVITY	0

2.3. Other hazards

WHMIS symbols:



3. COMPOSITION/INFORMATION ON INGREDIENTS

Name	CAS-Nr.	EC-Nr.	Index-Nr.	[%]	Classification DSD/CLP	Specific concentrations limit
Diethylene Glycol	111-46-6	203-872-2	603-140-00-6	> 99- 100%	Acute Tox. 4; H302	-

4. FIRST AID MEASURES

4.1. Description of first aid measures

After eye contact *Remove contact lenses if worn. Hold eye lids open and flush with water for 15 minutes. Call physician if irritation persists.*

After skin contact Thoroughly wash exposed area with soap and water. Remove contaminated clothing. Launder contaminated clothing before re-use.

After inhalation *Move individual to fresh air.*

After ingestion If product is ingested, do not induce vomiting. Dilute swallowed material by drinking water, rinse mouth with water and contact a physician or Poison Control Center: 1-800-222-1222.

4.2. Most important symptoms and effects, both acute and delayed

See 4.1

4.3. Indication of any immediate medical attention and special treatment needed

Treat symptomatically

5. FIRE-FIGHTING MEASURES

5.1. Extinguishing media

Use dry chemical, "alcohol foam" or carbon dioxide; water or foam may cause frothing. Use carbon dioxide or dry chemical for small fires; "alcohol resistant foam" or water fog for large fires. Do not use water in a jet.

5.2. Special hazards arising from the substance or mixture

Material will not burn unless preheated. Carbon monoxide may be evolved if incomplete combustion occurs. Containers exposed to intense heat from fires should be cooled with large quantities of water.

5.3. Advice for fire-fighters

Wear self-contained breathing apparatus (SCBA) and complete personal protective equipment. Dilution of burning liquid with water will reduce intensity of flames. A solid stream of water directed into hot, burning liquid could cause frothing.



6. ACCIDENTAL RELEASE MEASURES

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| 6.1. Personal precautions, protective equipment and emergency procedures | Keep away from fire and other ignition sources. Ventilate the area. Wear suitable protective clothing. |
| 6.2. Environmental precautions | Keep spilled material away from sewage/ drainage systems and waterways. See section 15. |
| 6.3. Methods and material for containment and cleaning up | Absorb spilled material using paper, floor absorbents, or other absorbent material. Please waste and absorbent material in appropriate waste containers. |
| 6.4. Reference to other sections | See precautions in section 7 and 8. |

7. HANDLING AND STORAGE

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| 7.1. Precautions for safe handling | Keep away from fire and other ignition sources. Ventilate the area. Wash hands thoroughly after handling. |
| 7.2. Conditions for safe storage, including any incompatibilities | Keep container tightly closed and store in a cool, well-ventilated place. Avoidance of contact with strong oxidizing agents, strong acids, strong bases. |
| 7.3. Specific end use(s) | Chafing dish fuel |

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

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|--------------------------------|--|
| 8.1. Control parameters | Threshold limit value: Contains no substance with occupational exposure limit values. |
| 8.2. Exposure controls | Respiratory protection: Not required under normal conditions of use.

Hand protection: Not requires under normal condition of use. Wash hands with soap and water immediately after cleaning up spilled product or wear gloves to clean up area.

Eye protection: Not requires under normal conditions of use.

Body protection: Not required under normal conditions of use.

Hygiene measures: Wash hands after handling product. <i>Not to be consumed.</i> |

9. PHYSICAL AND CHEMICAL PROPERTIES

9.1. Information of basic physical and chemical properties

Physical state	Liquid
Colour	Colourless
Odour	Mild sweet odor
Odour threshold	Not Applicable



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pH	5.0-8.0 at 500gll at 20° C (68° F)
Freezing point	-8.0° C (17.6° F)
Boiling point	245° C (473° F)
Flash point	253° F (123° C) ASTM D-56 (Tag Closed Cup)
Flammability	Not classified as Flammable, but will burn. Combustible.
Auto flammability	444° F (NFPA)
Upper/lower flammability or explosive limits	Flammable limits in air, % by volume: LEL 1.7% UEL 12.3%
Explosive properties	No
Oxidizing properties	Not applicable.
Vapour pressure	<0.01 mm Hg (68° C)
% volatile by volume	98%
Vapour density (AIR=1)	3.66
Relative density	Not applicable.
Density	1.118g/cm ³ at 68° F (20° C)
Specific gravity (H ₂ O=1) at 80° F	1.118
Solubility in water	Miscible
Partition coefficient (n-octanol/water)	<1.98> (n-octanol-water)
Decomposition temperature	Not applicable.
Viscosity, Kinematic	30-32 mm ² /s at 68°F (20°C)

9.2. Other information

NFPA (National Fire Protection Association) Rating : Health (1) / Fire (1) / Reactivity (0)

10. STABILITY AND REACTIVITY

10.1 Stability: Stable under recommended conditions.

10.2. Conditions to Avoid: Keep away from heat, sparks and open flames. Not compatible with strong oxidizers, strong acids, and strong bases.

10.3. Hazardous Decomposition: No data available.



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10.4. Hazardous Polymerization: Not expected to occur.

11. TOXICOLOGICAL INFORMATION

11.1 Basis for assessment Unless indicated otherwise, the data presented is representative of the product as a whole, rather than for individual component(s). Information given is based on product testing.

11.2 Information on likely routes of exposure Exposure may occur via inhalation, ingestion, skin absorption, skin or eye contact, and accidental ingestion.

11.3 Acute toxicity

Primary Route(s) of Exposure: Eye, skin contact, inhalation

Potential Health Effects:

Eye Contact: Causes eye irritation.
Skin Contact: Contact may cause skin irritation and/or dermatitis. May be harmful if absorbed through the skin.
Inhalation: May be harmful if inhaled. Inhalation may cause respiratory tract irritation, dizziness, headache, nausea, drowsiness, difficulty breathing and other adverse effects.
Ingestion: Harmful if swallowed. Ingestion may cause abdominal pain, dizziness, headache, nausea, agitation, weakness, difficulty breathing, vomiting, convulsions and other adverse effects.
Target Organ Effects: This material may cause adverse effects to the kidneys.

Reproductive Effects: No data available.

Carcinogenicity: No data available.

Mutagenicity: No data available.

Medical Conditions Aggravated by Overexposure: Asthma and other respiratory conditions, skin disorders, gastrointestinal disorders, kidney disorders.

Toxicological Data:

Eye Irritation (Rabbit): Mild Irritant

Diethylene Glycol

Skin Irritation (Rabbit): Mild Irritant
Oral LD50 (Rat): 12,565 mg/kg
Dermal LD50 (Rabbit): 11,890 mg/kg

12. ECOLOGICAL INFORMATION

12.1 Basis for assessment

Unless indicated otherwise, the data presented is representative of the product as a whole, rather than for individual component(s). Information given is based on product testing.

Ecotoxicological Data:

Diethylene Glycol

96 hr LC50 (minnow):	1,370mg/L
48 hr EC50 (Daphnia Magna):	55 mg/L
96 hr EC50 (Algae):	2.2 mg/L
Biodegradability:	No data available.
Bioaccumulation:	No data available.
German Water Hazard Class:	Class I: Slightly hazardous to water.

13. DISPOSAL CONSIDERATIONS

13.1. Waste treatment methods

Recycling/disposal in a safe manner according to national and regional regulations. Do not allow product to reach sewage system.

13.2. List of CER codes

Allocation of the waste code numbers according EC Directive 91/692/EEC must be realized under considerations of existing sector specifics and processes.

14. TRANSPORT INFORMATION

Not regulated as a dangerous good.

14.1. UN Number

UN3082

14.2. UN proper shipping name

Environmentally Hazardous Substance, Liquid N.O.S. (ethylene glycol)

14.3. Transport hazard classes

Class 9

14.4. Packing group

111

14.5. Environmental hazards

Not applicable

Land transport (ADR/RID)

Not applicable

Onland waterway craft (ADN/ADNR)

Not applicable

Marine transport (IMDG)

No

Air transport (IATA)

No

14.6. Special precautions for user

Not applicable

14.7. Transport in bulk according to Annex II of MARPOL 73/78 and the IBC code

Not applicable

15. REGULATORY INFORMATION

15.1 OSHA Hazards

No OSHA Hazards

U.N. GHS Classification & Labeling Information:



Classification:	Acute Toxicity 4 Eye Irritant 2B Skin Irritant 3 Specific Target Organ Toxicity (STOT) – Single Exposure 3 Repeated Exposure 2 Aquatic Acute 2
Signal word:	WARNING
H Statements:	H302: Harmful if swallowed. H316: Causes mild skin irritation. H320: Causes eye irritation. H333: May be harmful if inhaled. H335: May cause respiratory irritation. H373: May cause damage to organs by prolonged or repeated exposure if swallowed. H401: Toxic to aquatic life.
P Statements:	P233: Keep container tightly closed and store in a cool, well ventilated place. P301+315: If SWALLOWED: Get immediate medical attention. P305+351+338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. P337+313: If eye irritation persists: Get medical attention. P264: Wash thoroughly after handling. P270: Do not eat, drink or smoke when using this product. P273: Avoid release into the environment. P501: Dispose of contents/ container in accordance with local and national regulations.
NFPA 704 Information:	
Health Rating:	1
Flammability Rating:	1
Reactivity Rating:	0
Other Hazards:	Not applicable



U.S. Federal Regulatory Information:

TSCA:	Listed
RCRA ID Number:	Not Listed
CERCLA RQ:	None

SARA Title III § 302: None
SARA Title III § 311/312: Acute health Hazard, Chronic Health Hazard
SARA Title III § 313: Not Listed

European Union Regulatory Information:

EINECS Number: 203-872-2
Index Number: 603-140-00-6



DSD/DPD Hazard Symbol: Xn: Harmful
N: Environmental Hazard

DSD/DPD Safety (S) Phrases: S24/25: Avoid any inhalation, contact with skin and eyes.

Diethylene Glycol

S37/39: Wear suitable gloves and eye/face protection.
S46: If swallowed, seek medical advice immediately.
S61: Avoid release to the environment.

Canadian Regulatory Information:

WHMIS Category: Class D, Division 1, Subdivision B
Class D, Division 2, Subdivision B
Ingredient Disclosure List: Not Listed



Domestic Substances List (DSL): Listed

16. OTHER INFORMATION

16.1. Indications on the revision SDS revised on 12/07/2015: Addition of all fields as required by regulations 1907/2006/EC and 453/2010/EC.
SDS revised on 12/07/2015 GHS Format.

16.2. Abbreviations and acronyms used

ADN/ADNR: Regulations concerning the transport of dangerous substances in barges on inland waterways.

ADR/RID: European Agreement concerns the International Carriage of Dangerous Goods by Road/
Regulations concerning the international carriage of dangerous goods by rail.

CAS Nr.: Chemical Abstract Service Number

CLP: Classification, Labeling and Packaging

DOT: US Department of Transportation (USA)

DSD: Dangerous Substance Directive

DPD: Dangerous Preparation Directive



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EC Nr.: European Commission Number
GHS: Globally Harmonized System of Classification and Labeling of Chemicals
HMIS: Hazardous Material Identification System (USA)
IATA: International Air Transport Associations
IMDG: International Maritime Dangerous Goods code
NFPA: National Fire Protection Association (USA)
PBT: Persistent, Bioaccumulative, Toxic
UN Nr.: United Nations Number
vPvB: very Persistent and very Bioaccumulative
WHMIS: Workplace Hazardous Information System (Canada)

16.3. Key literature references and sources for data Vendor SDS.

16.4. Methods of evaluation for the classification of mixtures Vendor SDS.

16.5. List of relevant R phrases, hazard statements, safety phrases and/or precautionary statements not listed in section 2

H phrases:
H302 Harmful if swallowed.
H319 Causes mild eye irritation.

16.6. Advice on any training appropriate for workers Good hygiene practices.

This information is based on our present knowledge and is provided according to the relevant EC and national regulations. This information is intended as a characterization of the product in order to provide guidance for the relevant safety issues. However, this document does not provide any warranty, expressed or implied, regarding the properties of the product.

No responsibility is assumed for any damage or injury resulting from abnormal use or from any failure to adhere to recommended practices and/or standard operation procedures listed on packaging & website.
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