

1. PRODUCT AND COMPANY IDENTIFICATION

Product Code: DSG15
Product Name: Domolish SG-15
Company Name: Shepard Bros., Inc.
503 S. Cypress St.
La Habra, CA 90631
Phone Number: +1 (562)697-1366
Web site address: www.shepardbros.com
Emergency Contact: CHEMTREC +1 (800)424-9300
Intended Use: General Purpose Liquid Cleaner

2. HAZARDS IDENTIFICATION

Acute Toxicity: Inhalation, Category 4
Acute Toxicity: Oral, Category 4
Acute Toxicity: Skin, Category 4
Skin Corrosion/Irritation, Category 3
Serious Eye Damage/Eye Irritation, Category 2A

**GHS Signal Word: Warning**

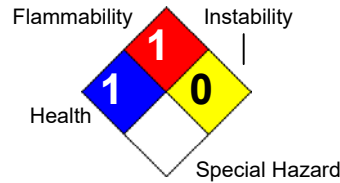
GHS Hazard Phrases: H332 - Harmful if inhaled. H302 - Harmful if swallowed. H312 - Harmful in contact with skin. H316 - Causes mild skin irritation. H319 - Causes serious eye irritation.

GHS Precaution Phrases: P261 - Avoid breathing dust/fume/gas/mist/vapours/spray.
P264 - Wash hands thoroughly after handling.
P270 - Do not eat, drink or smoke when using this product.
P280 - Wear protective gloves/protective clothing/eye protection/face protection.
P362+364 - Take off contaminated clothing and wash it before reuse.

GHS Response Phrases: P304+340 - IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing. P315 - Get immediate medical advice/attention.
P301+330+331 - IF SWALLOWED: Rinse mouth. Do NOT induce vomiting. P315 - Get immediate medical advice/attention.
P302+352 - IF ON SKIN: Wash with plenty of soap and water. P332+313 - If skin irritation occurs, get medical advice/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. P315 - Get immediate medical advice/attention.
P321 - Specific treatment see Section 4 reference to supplemental first aid instruction - if immediate measures are required.

GHS Storage and Disposal Phrases: P501 - Dispose of contents/container in accordance with local/regional/national/international regulations.

Hazard Rating System:



NFPA Hazard Ratings

Potential Health Effects (Acute and Chronic):

Chronic: Sophisticated modeling has clearly proven that 2-butoxyethanol does not build up in the body under any kinds of normal use.

Inhalation:

Avoid breathing vapors or mists. May be harmful if inhaled. Material may be irritating to mucous membranes and upper respiratory tract. May cause central nervous system effects such as nausea and headache. May cause narcotic effects in high concentration. High concentrations may cause acute pulmonary edema.

Skin Contact:

Causes skin irritation. Harmful if absorbed through the skin.

Eye Contact:

Causes eye irritation. Causes redness and pain.

Ingestion:

Harmful if swallowed. May cause gastrointestinal irritation with nausea, vomiting and diarrhea. Can burn mouth, throat and stomach.

3. COMPOSITION/INFORMATION ON INGREDIENTS

CAS #	Hazardous Components (Chemical Name)	Concentration
111-76-2	Ethylene glycol monobutyl ether	1.00 - 5.00 %
112-34-5	Diethylene glycol monobutyl ether	1.00 - 5.00 %

4. FIRST AID MEASURES

Emergency and First Aid

Procedures:

In Case of Inhalation:

Remove from exposure and move to fresh air immediately. If breathing is difficult, give oxygen. Do not use mouth-to-mouth resuscitation if victim ingested or inhaled the substance; induce artificial respiration with the aid of a pocket mask equipped with a one-way valve or other proper respiratory medical device. Get medical attention immediately.

In Case of Skin Contact:

Flush skin with plenty of water for at least 15 minutes while removing contaminated clothing and shoes. Gently wash with plenty of soap and water. Wash contaminated clothing separately before reuse. Get medical aid if irritation develops and persists.

In Case of Eye Contact:

Flush eyes with plenty of water for at least 15 minutes, occasionally lifting the upper and lower eyelids. Remove contact lenses, if present and easy to do after 5 minutes and continue rinsing for an additional 15 minutes. Get medical attention if irritation persists.

In Case of Ingestion:

If conscious and alert, rinse mouth and drink 2-4 cupfuls of milk or water. Never give anything by mouth to an unconscious person. If swallowed, do not induce vomiting unless directed to do so by medical personnel. Get immediate medical advice/attention.

Note to Physician:

Treat symptomatically and supportively. Show this safety data sheet to the doctor in attendance.



SAFETY DATA SHEET

Domolish SG-15

5. FIRE FIGHTING MEASURES

Flash Pt: NA

Explosive Limits: LEL: No data. UEL: No data.

Autoignition Pt: No data.

Suitable Extinguishing Media: Foam, CO2, water fog, sand/earth.

Fire Fighting Instructions: As in any fire, wear a self-contained breathing apparatus in pressure-demand, MSHA/NIOSH approved (or equivalent), and full protective gear. Combustible liquid and vapor. During a fire, irritating and highly toxic gases may be generated by thermal decomposition or combustion. Containers can build up pressure if exposed to heat (fire). Containers may explode in the heat of a fire. Use water spray to keep fire-exposed containers cool.

Flammable Properties and Hazards: High temperatures and fire conditions can result in the formation of carbon monoxide and carbon dioxide.

6. ACCIDENTAL RELEASE MEASURES

Protective Precautions, Protective Equipment and Emergency Procedures: Use proper personal protective equipment as indicated in Section 8.

Environmental Precautions: Do not let product enter drains, sewers, watersheds or water systems.

Steps To Be Taken In Case Material Is Released Or Spilled: Use proper personal protective equipment as indicated in Section 8. Provide ventilation. Isolate hazard area. Keep unnecessary and unprotected personnel from entering. ELIMINATE all ignition sources (no smoking, flares, sparks or flames in immediate area). Contain spill using an inert diking material. Transfer material into an approved container for possible recovery and reuse or for disposal.

7. HANDLING AND STORAGE

Precautions To Be Taken in Handling: Use with adequate ventilation. Do not get in eyes, on skin, or on clothing. Do not ingest or inhale. Wash thoroughly after handling. Remove contaminated clothing and wash before reuse. Keep away from heat, sparks and flame. Keep away from sources of ignition. Keep away from oxidizing agents.

Precautions To Be Taken in Storing: Store in a cool, dry, well-ventilated area away from incompatible substances. Keep away from sources of ignition. Keep away from heat, sparks and flame. Do not store in direct sunlight. Keep away from oxidizing agents. Protect containers against damage. Keep container closed when not in use.

Other Precautions: Handle in accordance with good industrial hygiene and safety practices. Keep out of reach of children.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

CAS #	Partial Chemical Name	OSHA TWA	ACGIH TWA	Other Limits
111-76-2	Ethylene glycol monobutyl ether	PEL: 50 ppm	TLV: 20 ppm	No data.
112-34-5	Diethylene glycol monobutyl ether	No data.	No data.	No data.



SAFETY DATA SHEET

Domolish SG-15

Respiratory Equipment (Specify Type):	Avoid breathing vapors and mists. Avoid generating mists or sprays to significantly reduce risk of respiratory exposure. If ventilation is not sufficient to effectively prevent buildup of vapors or mists and the exposure limit is exceeded, use a NIOSH/MSHA approved respirator.
Eye Protection:	Wear safety glasses with side shields or chemical splash goggles. Wear chemical splash goggles and a full-face shield where there is potential for eye contact.
Protective Gloves:	Wear appropriate protective gloves to prevent skin exposure. Rubber or neoprene gloves.
Other Protective Clothing:	Wear appropriate protective clothing to prevent skin exposure.
Engineering Controls (Ventilation etc.):	Ensure adequate ventilation, especially in confined areas. Facilities storing or utilizing this material should be equipped with an eyewash facility and a safety shower.

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical States:	[] Gas [X] Liquid [] Solid	
Appearance and Odor:	Appearance: Transparent. Light green Liquid. Odor: Pleasant.	
Melting Point:	< 32.0 F (0 C)	
Boiling Point:	NA	
Autoignition Pt:	No data.	
Flash Pt:	NA	
Explosive Limits:	LEL: No data.	UEL: No data.
Specific Gravity (Water = 1):	~ 1.025	
Density:	~ 8.54 LB/GA	
Vapor Pressure (vs. Air or mm Hg):	NA	
Vapor Density (vs. Air = 1):	NA	
Evaporation Rate:	NA	
Solubility in Water:	Complete	
Saturated Vapor Concentration:	NA	
Viscosity:	NA	
pH:	10.5 - (10% soln)	
Percent Volatile:	No data.	

10. STABILITY AND REACTIVITY

Reactivity:	High temperatures and fire conditions can result in the formation of carbon monoxide and carbon dioxide.
Stability:	Unstable [] Stable [X]
Conditions To Avoid - Instability:	Excess heat, Incompatible materials, ignition sources.
Incompatibility - Materials To Avoid:	Strong oxidizing agents, Strong acids.
Hazardous Decomposition Or Byproducts:	High temperatures and fire conditions can result in the formation of carbon monoxide and carbon dioxide.
Possibility of Hazardous Reactions:	Will occur [] Will not occur [X]
Conditions To Avoid - Hazardous Reactions:	No data available.



11. TOXICOLOGICAL INFORMATION

Toxicological Information: Epidemiology: No information available.
 Teratogenicity: No information available.
 Reproductive Effects: No data available.
 Mutagenicity: No information available.
 Neurotoxicity: No data available.
 Other Studies: CAS # 111-76-2:
 Acute toxicity, LC50, Inhalation, Rat, 450.0 ppm, 4 H.
 Acute toxicity, LD50, Oral, Rat, 470.0 mg/kg
 Acute toxicity, LD50, Skin, Rabbit, 220.0 mg/kg

Other Studies: CAS # 112-34-5:
 Acute toxicity, LD50, Oral, Rat, 5660 mg/kg

Irritation or Corrosion: Other Studies: CAS # 111-76-2:
 Standard Draize Test, Eyes, Species: Rabbit, 100.0 mg, 24 H.

Other Studies: CAS # 112-34-5:
 Standard Draize Test, Eyes, Species: Rabbit, 20.0 mg, 24 H.

Sensitization: Skin sensitization testing with human volunteers produced negative results. A skin notation is not recommended by ACGIH, based on estimates from physiologically based pharmacokinetic models which indicate that, even in worst-case dermal-exposure scenarios, 2-butoxyethanol is not absorbed in amounts sufficient to cause red blood cell hemolysis in humans.

Carcinogenicity/Other Information: CAS# 111-76-2: ACGIH: A3 - Confirmed animal carcinogen with unknown relevance to humans.

Carcinogenicity: NTP? No IARC Monographs? No OSHA Regulated? No

12. ECOLOGICAL INFORMATION

General Ecological Information: Environmental: TERRESTRIAL FATE: Based on a recommended classification scheme, an estimated Koc value of 67, determined from an experimental log Kow and a recommended regression-derived equation, indicates that ethylene glycol mono-n-butyl ether is expected to have high mobility in soil. An estimated BCF value of 2.5 was calculated for ethylene glycol mono-n-butyl ether, using an experimental log Kow of 0.83 and a recommended regression-derived equation. According to a recommended classification scheme, this BCF value suggests that bioconcentration in aquatic organisms is low.
 Physical: No information found.

Results of PBT and vPvB assessment: CAS# 111-76-2:
 LC50, Water Flea(Daphnia magna), 1720 mg/l, 24 H, Intoxication
 LC50, Common Shrimp, Sand Shrimp(Crangon crangon), 775000 ug/l, 96 H, Mortality
 LC50, Amphipod (Chaetogammarus marinus), young organism(s), 1000 mg/l, 24 H, Mortality
 LC50, Carp (Leuciscus idus ssp. melanotus), 1575 mg/l, 48 H, Mortality
 Effective concentration to 0% of test organisms, Blue-Green Algae(Microcystis aeruginosa),156000 ug/L,Population

CAS# 112-34-5:
 LC50, Water Flea(Daphnia magna), 2850 mg/l, 24 H, Intoxication
 LC50, Carp (Leuciscus idus ssp. melanotus), 1805 mg/l, 48 H, Mortality



SAFETY DATA SHEET

Domolish SG-15

13. DISPOSAL CONSIDERATIONS

Waste Disposal Method: Chemical waste generators must determine whether a discarded chemical is classified as a hazardous waste. US EPA guidelines for the classification determination are listed in 40 CFR Parts 261. Additionally, waste generators must consult state and local hazardous waste regulations to ensure complete and accurate classification. Observe all federal, state, and local environmental regulations.
RCRA P-Series: None listed.
RCRA U-Series: None listed.

14. TRANSPORT INFORMATION

LAND TRANSPORT (US DOT):

DOT Proper Shipping Name: NOT REGULATED FOR DOMESTIC TRANSPORT.
DOT Hazard Class:
UN/NA Number:

15. REGULATORY INFORMATION

EPA SARA (Superfund Amendments and Reauthorization Act of 1986) Lists

CAS #	Hazardous Components (Chemical Name)	S. 302 (EHS)	S. 304 RQ	S. 313 (TRI)
111-76-2	Ethylene glycol monobutyl ether	No	No	Yes-Cat. N230
112-34-5	Diethylene glycol monobutyl ether	No	No	Yes-Cat. N230

CAS #	Hazardous Components (Chemical Name)	Other US EPA or State Lists
111-76-2	Ethylene glycol monobutyl ether	TSCA: Inventory; CA PROP.65: No; CA TAC, Title 8: TAC, Title 8
112-34-5	Diethylene glycol monobutyl ether	TSCA: Inventory, 4 Test; CA PROP.65: No; CA TAC, Title 8: TAC

Regulatory Information: PROPOSITION 65: This product does not contain Chemicals known to the state of California to cause cancer or reproductive harm.

16. OTHER INFORMATION

Revision Date: 05/01/2020
Additional Information About This Product: No data available.
Company Policy or Disclaimer: Information presented herein is believed to be accurate and reliable to the best of our knowledge. However, we make no warranty or merchantability or any other warranty, express or implied, with respect to such information, and we assume no liability resulting from its use. The information relates only to the specific material designated and may not be valid for such material used in combination with any other material or in any process. Users should make their own investigations to determine the suitability of the information for their particular purposes.