



SHEPARD BROS.

# SAFETY DATA SHEET

## Propylene Glycol FCC, Inhibited

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Printed: 12/07/2020

Revision: 12/07/2020

Supersedes Revision: 06/02/2016

### 1. PRODUCT AND COMPANY IDENTIFICATION

**Product Code:** PGFI  
**Product Name:** Propylene Glycol FCC, Inhibited  
**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

### 2. HAZARDS IDENTIFICATION

**GHS Signal Word:** None  
**GHS Hazard Phrases:** No phrases apply.  
**GHS Precautionary Phrases:** No phrases apply.  
**GHS Response Phrases:** No phrases apply.  
**GHS Storage and Disposal Phrases:** No phrases apply.

**Inhalation:** Low hazard for normal industrial handling. Inhalation of a mist of this material may cause respiratory tract irritation. Material has a low vapor pressure at room temperature, so exposure to vapor is not likely.

**Skin Contact:** May cause skin irritation.

**Eye Contact:** May cause eye irritation. May cause slight transient injury.

**Ingestion:** May cause irritation of the digestive tract. May cause gastrointestinal irritation with nausea, vomiting and diarrhea.

**Medical Conditions Generally Aggravated By Exposure:** Persons with impaired kidney function may be more susceptible to the effects of this substance. May cause hemoglobinuric nephrosis.

### 3. COMPOSITION/INFORMATION ON INGREDIENTS

CAS #	Hazardous Components (Chemical Name)	Concentration
57-55-6	Propylene glycol	95.0 -100.0 %
7758-11-4	Dipotassium phosphate	< 5.0 %

### 4. FIRST AID MEASURES

#### Emergency and First Aid Procedures:

**In Case of Inhalation:** Remove from exposure and move to fresh air immediately.

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

**Note to Physician:** Persons with impaired kidney function may be more susceptible to the effects of this substance. Treat symptomatically and supportively. Show this safety data sheet to the doctor in attendance.



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### 5. FIRE FIGHTING MEASURES

**Flash Pt:** 210.00 F Method Used: Pensky-Marten Closed Cup

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

**Autoignition Pt:** No data.

**Suitable Extinguishing Media:** Foam, CO2, water fog, sand/earth. Alcohol resistant foams are preferred.

**Unsuitable Extinguishing Media:** Do NOT use straight streams of water.

**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. During a fire, irritating and highly toxic gases may be generated by thermal decomposition or combustion.

**Flammable Properties and Hazards:** Violent steam generation or eruption may occur upon application of direct water stream to hot liquids. High temperatures and fire conditions can result in the formation of carbon monoxide and carbon dioxide, and oxides of: phosphorus, potassium.

**Hazardous Combustion Products:** No data available.

### 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:** 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. Avoid contact with eyes, skin, and clothing. Avoid ingestion and inhalation. Wash thoroughly after handling. Remove contaminated clothing and wash before reuse.

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

**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
57-55-6	Propylene glycol	PEL: 10 mg/m <sup>3</sup>	No data.	No data.
7758-11-4	Dipotassium phosphate	No data.	No data.	No data.



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<b>Respiratory Equipment (Specify Type):</b>	No special respiratory protection equipment is required with adequate ventilation.
<b>Eye Protection:</b>	Safety glasses.
<b>Protective Gloves:</b>	Wear appropriate protective gloves to prevent skin exposure.
<b>Other Protective Clothing:</b>	Wear appropriate protective clothing to prevent skin exposure.
<b>Engineering Controls (Ventilation etc.):</b>	Facilities storing or utilizing this material should be equipped with an eyewash facility and a safety shower. Use adequate ventilation to keep airborne concentrations low.
<b>Work/Hygienic/Maintenance Practices:</b>	Handle in accordance with good industrial hygiene and safety practices.

### 9. PHYSICAL AND CHEMICAL PROPERTIES

<b>Physical States:</b>	[ ] Gas [ X ] Liquid [ ] Solid
<b>Appearance and Odor:</b>	Appearance: Transparent. colorless. Liquid. Odor: Odorless.
<b>pH:</b>	9.5 - 10 at 25.0 C
<b>Melting Point:</b>	-76.00 F
<b>Boiling Point:</b>	367.00 F
<b>Flash Pt:</b>	210.00 F Method Used: Pensky-Marten Closed Cup
<b>Evaporation Rate:</b>	No data.
<b>Flammability (solid, gas):</b>	No data available.
<b>Explosive Limits:</b>	LEL: No data. UEL: No data.
<b>Vapor Pressure (vs. Air or mm Hg):</b>	0.07 MM_HG at 68.0 F
<b>Vapor Density (vs. Air = 1):</b>	2.62 at 75.0 F
<b>Specific Gravity (Water = 1):</b>	1.055
<b>Solubility in Water:</b>	Complete
<b>Octanol/Water Partition Coefficient:</b>	No data.
<b>Autoignition Pt:</b>	No data.
<b>Decomposition Temperature:</b>	No data.
<b>Viscosity:</b>	No data.

### 10. STABILITY AND REACTIVITY

<b>Reactivity:</b>	Not reactive at normal temperatures and pressures.
<b>Stability:</b>	Unstable [ ] Stable [ X ]
<b>Conditions To Avoid - Instability:</b>	Excess heat, Incompatible materials.
<b>Incompatibility - Materials To Avoid:</b>	Strong oxidizing agents, Strong acids, Strong bases.
<b>Hazardous Decomposition or Byproducts:</b>	High temperatures and fire conditions can result in the formation of carbon monoxide and carbon dioxide, and oxides of: phosphorus, potassium.
<b>Possibility of Hazardous Reactions:</b>	Will occur [ ] Will not occur [ X ]
<b>Conditions To Avoid - Hazardous Reactions:</b>	No data available.



## 11. TOXICOLOGICAL INFORMATION

<b>Toxicological Information:</b>	Epidemiology: No information available. Teratogenicity: No information available. Reproductive Effects: No information available. Mutagenicity: No information available. Neurotoxicity: No information available.  Other Studies: CAS# 57-55-6: TCLo, Inhalation, Rat, 2180 mg/m <sup>3</sup> , 6 D Acute toxicity, LD50, Skin, Rabbit, 20800 mg/kg Acute toxicity, LD50, Oral, Rat, 20.00 gm/kg.
<b>Irritation or Corrosion:</b>	Other Studies: CAS# 57-55-6: Standard Draize Test, Eyes, Species: Rabbit, 100.0 mg.  May cause skin irritation. May cause eye irritation. Inhalation of a mist of this material may cause respiratory tract irritation.
<b>Symptoms related to Toxicological Characteristics:</b>	May cause gastrointestinal irritation with nausea, vomiting and diarrhea.
<b>Sensitization:</b>	Negative results have consistently been obtained in guinea pigs studies for sensitization. 1,2-Propylene glycol is not considered an occupational skin sensitizer. (CHEMINFO)
<b>Chronic Toxicological Effects:</b>	Exposure to large doses may cause central nervous system depression. Chronic ingestion may cause lactic acidosis and possible seizures. Exposures to propylene glycol having no adverse effects on the mother should have no effect on the fetus. Birth defects are unlikely. May cause hemoglobinuric nephrosis. May cause changes in surface EEG.
<b>Carcinogenicity/Other Information:</b>	CAS# 57-55-6: Not listed by ACGIH, IARC, NTP, or CA Prop 65. CAS# 7758-11-4: Not listed by ACGIH, IARC, NTP, or CA Prop 65.
<b>Carcinogenicity:</b>	NTP? No      IARC Monographs? No      OSHA Regulated? No

## 12. ECOLOGICAL INFORMATION

<b>General Ecological Information:</b>	Ecotoxicity: Water flea Daphnia: EC50 10000 mg/L; 48 Hr Unspecified, Bacteria: Phytobacterium phosphoreum: EC50 = 710 mg/L; 30 min; Microtox testFish: Goldfish: LC50 5000 mg/L; 24 Hr; UnspecifiedFish: Guppy: LC50 1000 mg/L; 48 Hr; Unspecified If released to water, 1,2-propanediol is expected to degrade relatively rapidly via biodegradation.  Physical: No information available. Environmental: Other: Do not empty into drains.
<b>Results of PBT and vPvB assessment:</b>	No data available.
<b>Persistence and Degradability:</b>	If released to the atmosphere, it is degraded rapidly by reaction with photochemically produced hydroxyl radicals (typical half-life of 32 hr). Physical removal from air by rainfall is possible. If released to soil, relatively rapid biodegradation should also occur. Significant leaching in soil can be predicted.
<b>Bioaccumulative Potential:</b>	No data available.
<b>Mobility in Soil:</b>	No data available.

### 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.

### 14. TRANSPORT INFORMATION

**LAND TRANSPORT (US DOT):**

**DOT Proper Shipping Name:** Not Regulated.  
**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)
57-55-6	Propylene glycol	No	No	No
7758-11-4	Dipotassium phosphate	No	No	No

**This material meets the EPA 'Hazard Categories' defined for SARA Title III Sections 311/312 as indicated:**

<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Explosive	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Acute toxicity (any route of exposure)
<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Flammable (gases, aerosols, liquid, or solid)	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Skin Corrosion or Irritation
<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Oxidizer (liquid, solid or gas)	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Serious eye damage or eye irritation
<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Self-reactive	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Respiratory or Skin Sensitization
<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Pyrophoric (liquid or solid)	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Germ cell mutagenicity
<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Pyrophoric gas	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Carcinogenicity
<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Self-heating	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Reproductive toxicity
<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Organic peroxide	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Specific target organ toxicity (single or repeated exposure)
<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Corrosive to metal	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Aspiration Hazard
<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Gas under pressure (compressed gas)	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Simple Asphyxiant
<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No In contact with water emits flammable gas	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No (Health) Hazard Not Otherwise Classified (HNOC)
<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Combustible Dust	
<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No (Physical) Hazard Not Otherwise Classified (HNOC)	

CAS #	Hazardous Components (Chemical Name)
57-55-6	Propylene glycol
7758-11-4	Dipotassium phosphate

**Other US EPA or State Lists**

TSCA: Yes - Inventory; CA PROP.65: No; CA TAC, Title 8: No  
TSCA: Yes - Inventory; CA PROP.65: No; CA TAC, Title 8: No

### 16. OTHER INFORMATION


**Revision Date:** 12/07/2020  
**Preparer Name:** Crystal Maira

**Hazard Rating System:**

HEALTH	1
FLAMMABILITY	1
PHYSICAL	0
PPE	B

**HMIS:**

**NFPA:**



Flammability: 1, Instability: 0, Health: 1, Special Hazard: 1

**Additional Information About This Product:** 06/02/2016 - Routine review and update of GHS classifications.

**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.



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Users should make their own investigations to determine the suitability of the information for their particular purposes.