



Safety Data Sheet

Propylene Glycol - Biobased

SDS Revision Date:

02/16/2016

1. Identification

1.1. Product identifier

Product Identity Propylene Glycol - Biobased
Alternate Names PG

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

Intended use See Technical Data Sheet.
Application Method See Technical Data Sheet.

1.3. Details of the supplier of the safety data sheet

Company Name Orison Marketing, LLC
4801 South Danville Drive
Abilene, TX 79602

Emergency

Emergency CHEMTREC (USA) (800) 424-9300

Customer Service: Orison Marketing, LLC US: 800-460-2403

2. Hazard(s) identification

2.1. Classification of the substance or mixture

Non-hazardous by OSHA Hazard Communication Standard (1910.1200). No applicable GHS categories.

2.2. Label elements

Using the Toxicity Data listed in section 11 and 12 the product is labeled as follows.

No applicable GHS categories.

[Prevention]:

No GHS prevention statements

[Response]:

No GHS response statements

[Storage]:

No GHS storage statements

[Disposal]:

No GHS disposal statements



Safety Data Sheet

Propylene Glycol - Biobased

SDS Revision Date:

02/16/2016

3. Composition/information on ingredients

Ingredient/Chemical Designations	Weight %	Notes
Propylene Glycol - Biobased CAS Number: 57-55-6	>99	

In accordance with paragraph (i) of §1910.1200, the specific chemical identity and/or exact percentage (concentration) of composition may have been withheld as a trade secret.

4. First aid measures

4.1. Description of first aid measures

General	In all cases of doubt, or when symptoms persist, seek medical attention. Never give anything by mouth to an unconscious person.
Inhalation	If irritation, headache, nausea, or drowsiness occurs, remove to fresh air. Get medical attention if breathing becomes difficult or respiratory irritation persists.
Eyes	In case of contact, flush eyes with plenty of water. Get medical attention if eye irritation develops or persists.
Skin	Remove contaminated clothing. Flush exposed area with water and follow by washing with soap if available. If persistent irritation occurs, obtain medical attention.
Ingestion	Non-toxic. No hazards which require special first aid measures. Do not induce vomiting unless directed by medical personnel.

5. Fire-fighting measures

5.1. Extinguishing media

Carbon Dioxide, Foam, Dry Chemical and Water.

5.2. Flammable Properties

Flash Point: 212 F (100 C)

Ignition Temperature: AIT (degrees C): 371.1 (700F)

Fire Limits %: Lower: 2.6 Upper: 12.5

Fire and Explosion Hazard: Exposure to decomposition products may be a hazard to health.

5.3. Advice for fire-fighters

Fire fighters wear positive-pressure, self contained breathing apparatus (SCBA) and protective fire fighting clothing.



Safety Data Sheet

Propylene Glycol - Biobased

SDS Revision Date:

02/16/2016

6. Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Review Fire Fighting Measures and Handling (Personnel) sections before proceeding with clean-up. Use appropriate Personal Protective Equipment (PPE) during clean-up.

6.2. Environmental precautions

Use good personal hygiene practices. Wash hands before eating, drinking, smoking or using toilet. Promptly remove soiled clothing and wash thoroughly before reuse.

6.3. Methods and material for containment and cleaning up

Spill Clean-up: Contain spillage, soak up with non-combustible absorbent material, (e.g. sand, earth, diatomaceous earth, vermiculite) and transfer to a container for disposal according to local / national regulations (see section 13)

Accidental Release Measures: Do not flush into surface water or sanitary sewer system.

7. Handling and storage

7.1. Precautions for safe handling

No special precautions are needed in handling this material. Handle containers carefully to prevent damage and spillage.

7.2. Conditions for safe storage, including any incompatibilities

Store in a dry place away from high heat, ignition sources and strong oxidizers. Keep containers closed when not in use to prevent contamination.

7.3. Specific end use(s)

No data available.

8. Exposure controls and personal protection

8.1. Control parameters

Exposure

8.2. Exposure controls

Respiratory

Airborne concentrations should be kept to lowest levels possible. If vapor, mist or dust is generated and the occupational exposure limit of the product, or any component of the product, is exceeded, use appropriate NIOSH or MSHA approved air purifying or air



Safety Data Sheet

Propylene Glycol - Biobased

SDS Revision Date:

02/16/2016

supplied respirator after determining the airborne concentration of the contaminant. Air supplied respirators should always be worn when airborne concentration of the contaminant or oxygen content is unknown.

Eyes	Safety glasses, chemical type goggles, or face shield recommended.
Skin	Wear chemical resistant gloves. Protective clothing should be worn and soiled clothing should be laundered. Wash exposed skin with soap and water.
Engineering Controls	Ensure adequate ventilation, especially in confined areas. If exhaust ventilation is not available or inadequate, use MSHA or NIOSH approved respirator as appropriate.
Other Work Practices	Use good personal hygiene practices. Wash hands before eating, drinking, smoking or using toilet. Promptly remove soiled clothing and wash thoroughly before reuse.

See section 2 for further details. - [Prevention]:

9. Physical and chemical properties

Appearance	Clear Liquid
Odor	Slight/Mild
Odor threshold	Not Measured
pH	
Freezing point	-92 F (-68.9 C)
Initial boiling point and boiling range	370 F (188 C)
Flash Point	212 F (100 C)
Evaporation rate (Ether = 1)	< 1 (Ether = 1)
Flammability (solid, gas)	Not Applicable
Upper/lower flammability or explosive limits	Lower Explosive Limit: 2.6 Upper Explosive Limit: 12.5
Vapor pressure (Pa)	<1 mmHg at 77F (25 C)
Specific Gravity	1.036 (Water = 1)
Solubility in Water	Complete
Partition coefficient n-octanol/water (Log Kow)	Not Measured
Auto-ignition temperature	Not Measured
Decomposition temperature	Not Measured
Viscosity (cSt)	56 mPa.s at 68 F (20 C)

10. Stability and reactivity

10.1. Reactivity

Hazardous Polymerization will not occur.



Safety Data Sheet

Propylene Glycol - Biobased

SDS Revision Date:

02/16/2016

10.2. Chemical stability

Stable under normal circumstances.

10.3. Possibility of hazardous reactions

No data available.

10.4. Conditions to avoid

Heat, flames and sparks. Strong oxidizing agents.

10.5. Incompatible materials

Strong oxidizing agents.

10.6. Hazardous decomposition products

No decomposition if stored normally.

11. Toxicological information

TOXICITY – Non Toxic

Inhalation 4 h LC50 – > 5.0 mg/l, rat

Dermal LD₅₀ – > 4,200 mg/kg, rat

Oral LD₅₀ - Non Toxic. LD₅₀ 15,800 mg/kg of body weight, rat.

Skin Irritation – slight, rabbit; Negative in human patch test

Skin Sensitization – Patch test on human volunteers did not demonstrate sensitization properties.

Eye Irritation - slight irritation, rabbit

Repeated dose toxicity

Inhalation, rat – No toxicologically significant effect were found

Oral, rat - No toxicologically significant effect were found

12. Ecological information

12.1. Toxicity

Oral: LD50 > 5.00 g/kg, rat, practically non-toxic

Inhalation: Believed to be practically non-toxic

Dermal: LD50 > 2.0 g/kg, rabbit, practically non-toxic

Irritation Index, Estimation of irritation (Species)

Skin: Draize, believed to be < .50/8.0 (rabbit), no appreciable effect

Eyes: Draize, believed to be < 15.00/110 (rabbit) no appreciable effect

Sensitization: Not determined.

Aquatic Toxicity

Fish : Low toxicity; LC50 > 100 mg/l

Aquatic Invertebrates: Low toxicity; LC50 > 100 mg/l

Algae Low toxicity; LC50 > 100 mg/l



Safety Data Sheet

Propylene Glycol - Biobased

SDS Revision Date:

02/16/2016

12.2. Persistence and degradability

The product is readily biodegradable

12.3. Bioaccumulative potential

Bioaccumulation is unlikely.

12.4. Mobility

Releases to the environment will tend to partition to water and soil, with little potential for evaporation

12.5. Results of PBT and vPvB assessment

This product contains no PBT/vPvB chemicals.

12.6. Other adverse effects

No data available.

13. Disposal considerations

13.1. Waste treatment methods

Treatment, storage, transportation and disposal must be in accordance with applicable federal, state/provincial and local regulations.

14. Transport information

	DOT (Domestic Surface Transportation)	IMO / IMDG (Ocean Transportation)	ICAO/IATA
14.1. UN number	Not Applicable	Not Regulated	Not Regulated
14.2. UN proper shipping name	Not Regulated	Not Regulated	Not Regulated
14.3. Transport hazard class(es)	DOT Hazard Class: Not Applicable	IMDG: Not Applicable Sub Class: Not Applicable	Air Class: Not Applicable
14.4. Packing group	Not Applicable	Not Applicable	Not Applicable
14.5. Environmental hazards			
IMDG	Marine Pollutant: No		
14.6. Special precautions for user	<p>Not regulated in transportation by DOT/IMO/IATA. Not classified as dangerous in the meaning of transport regulations.</p>		

15. Regulatory information

Regulatory Overview The regulatory data in Section 15 is not intended to be all-inclusive, only selected regulations are represented.



Safety Data Sheet

Propylene Glycol - Biobased

SDS Revision Date:

02/16/2016

Toxic Substance Control Act (TSCA) All components of this material are either listed or exempt from listing on the TSCA Inventory.

WHMIS Classification Not Regulated

US EPA Tier II Hazards

Fire: No

Sudden Release of Pressure: No

Reactive: No

Immediate (Acute): No

Delayed (Chronic): No

EPCRA 311/312 Chemicals and RQs:

To the best of our knowledge, there are no chemicals at levels which require reporting under this statute.

EPCRA 302 Extremely Hazardous:

To the best of our knowledge, there are no chemicals at levels which require reporting under this statute.

EPCRA 313 Toxic Chemicals:

To the best of our knowledge, there are no chemicals at levels which require reporting under this statute.

Proposition 65 - Carcinogens (>0.0%):

To the best of our knowledge, there are no chemicals at levels which require reporting under this statute.

Proposition 65 - Developmental Toxins (>0.0%):

To the best of our knowledge, there are no chemicals at levels which require reporting under this statute.

Proposition 65 - Female Repro Toxins (>0.0%):

To the best of our knowledge, there are no chemicals at levels which require reporting under this statute.

Proposition 65 - Male Repro Toxins (>0.0%):

To the best of our knowledge, there are no chemicals at levels which require reporting under this statute.

New Jersey RTK Substances (>1%):

Propylene Glycol

Pennsylvania RTK Substances (>1%):

Propylene Glycol

16. Other information

The information and recommendations contained herein are based upon data believed to be correct. However, no guarantee or warranty of any kind, expressed or implied, is made with respect to the information contained herein. We accept no responsibility and disclaim all liability for any harmful effects which may be caused by exposure to our products. Customers/users of this product must comply with all applicable health and safety laws, regulations, and orders.

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and is not valid for such material used in combination with any other materials or in any process, unless specified in the text.

End of Document



Safety Data Sheet

Propylene Glycol - Biobased

SDS Revision Date:

02/16/2016