



Propylene Glycol

Distributed by:
 Durvet, Inc.
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Safety Data Sheet

1) Identification of Material and Manufacturer

March 28, 2014

Product Name	Propylene Glycol USP
Product Use(s)	Industrial
Manufacturer/Seller	Soft Jamb Company
Address	6298 Mt. Pinos Ct. Alta Loma, CA 91701, United States
Emergency Telephone	Chemtrec 800.424.9300
E-mail	steve@softjamb.com



2) Hazards Identification

Chemical Name	1,2-propanediol
Classification of Substance	Flammable
CAS	57-55-6
OSHA PEL	None Established
ACGIH TLV	None Established

3) Composition Information

Ingredient	Concentration
1,2-propanediol	100%

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4) First Aid Measures

Inhalation	Move victim to fresh air. Seek medical attention if breathing is distressed.
Skin Contact	Wash exposed area thoroughly with soap and water. Seek medical attention if irritation persists.
Eye Contact	Immediately flush eyes with water, remove contacts if present, flush with water for another 10 minutes. Seek medical attention if irritation persists.
Ingestion	Promptly drink large quantities of water, if conscious. Do not induce vomiting. Seek immediate medical attention if more than 1 ounce is swallowed.

5) Firefighting Measures

Extinguishing Media	Water spray/mist, carbon dioxide, or foam. Do not use water jet.
Special Hazards	When heated to decomposition, emits acrid and irritating fumes
Additional Information	Firefighter should wear self-contained breathing apparatus, if possible.

6) Accidental Release Measures

In case of spill, leak, or release	Use absorbent. Collect in appropriate containers. Do not release into environment without governmental approval. Wash contaminated water into dedicated drain, or collect with an industrial vacuum truck.
Method of waste disposal	Do not release the concentrated or diluted product directly into storm drains, or groundwater supplies. Follow all local, municipal, state, and federal guidelines, if in the United States of America. For all other countries, consult local, regional, or country regulations as applicable to a non-hazardous product.

- ***This material is non-hazardous.***
- ***Dry material may be placed in appropriate containers and disposed of in accordance with applicable governmental agencies for your location.***

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7) Handling and Storage

<ul style="list-style-type: none"> • Store in cool, dry location 	<ul style="list-style-type: none"> • Protect from heat, light, moisture 	<ul style="list-style-type: none"> • Must use with adequate ventilation
<ul style="list-style-type: none"> • Chemical resistant gloves must be worn 	<ul style="list-style-type: none"> • Safety glasses or goggles must be worn 	<ul style="list-style-type: none"> • Wash hands thoroughly, immediately before and after use
<ul style="list-style-type: none"> • Do NOT reuse container 	<ul style="list-style-type: none"> • Do not use waterless hand cleaners 	<ul style="list-style-type: none"> • Use good personal hygiene

8) Exposure Controls and Personal Protection

Propylene Glycol	OSHA PEL	None Established
	ACGIH TLV	None Established

Engineering Controls	Use adequate ventilation from mechanical source to control airborne dust exposure.
Personal Protection	<ul style="list-style-type: none"> • Wear a NIOSH/MSHA-approved respirator with a HEPA cartridge or equivalent. • Wear chemical resistant gloves based on nitrile, neoprene, or rubber construction. • Wear safety glasses with side shields, or goggles. • Wear body protection to avoid skin contact.

9) Physical and Chemical Properties

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Appearance	Colorless liquid	Flash Point	99°C
Odor	Mild	Est. Explosive Range Limit	LEL - 2.6% UEL - 12.5%
Odor Threshold	Not Applicable	Flash Point Method Used	Closed Cup
pH	6.0	Specific Gravity	1.036
Melting Point	-59°C	Ignition Temp.	371.1°C
Boiling Point	187.2°C	Viscosity	<20 cSt @ 40°C
Vapor Pressure	0.129 mmHg @25°C	Explosive Properties	Not Explosive
Vapor Density	2.62	Oxidizing Properties	Not an Oxidizer
Solubility in Water	Very Soluble	Other Information	None

10) Stability and Reactivity Data

Chemical Stability	Stable
Conditions to Avoid	High heat, contamination with water
Incompatibility	High heat, ignition sources, moisture
Hazardous Polymerization	Will not occur
Hazardous Decomposition	None

11) Toxicology Information

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Propylene Glycol 100%	LD ₅₀ (oral, rabbit)	18500 mg/kg
	LD ₅₀ (dermal, rabbit)	20800 mg/kg

- **Not considered orally toxic except with extreme intake levels.**
- **Ingestion of more than 1 ounce may cause digestive tract irritation.**
- **Not considered a skin corrosive or irritant under normal exposure.**
- **After abnormal exposure levels, or prolonged exposure, skin may become irritated and demonstrate redness, pain, dryness and itching.**
- **May cause eye irritation as evidenced by pain, redness and tearing of eyes.**
- **May be irritating to respiratory tract under normal conditions.**
- **Avoid breathing dust.**
- **Increased nasal mucous membrane production and increased tears in eyes may occur upon breathing dust.**
- **Germ cell mutagenicity may occur from extreme contact with this material.**
- **This product does not contain any known carcinogens.**
- **This product may cause reproductive toxicity.**

12) Ecological Information

Toxicity	Not toxic to environment under U.S. EPA regulations.
Persistence/Degradation in Environment	Long term degradation byproducts may be hazardous.
Bioaccumulation	Does not accumulate under U.S. EPA standards.
Mobility in Soil	Not studied.

13) Disposal

- **Under applicable U.S. Environmental Protection Agency regulations this material is not considered to be environmentally hazardous in regards to waste disposal.**
- **Follow all local, municipal, U.S. state, and U.S. federal regulations if in the United States of America.**
- **For other countries consult your local, area, or country regulatory authority as applicable to a non-hazardous product.**

14) Transportation and Shipping

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Americas Region	Not classified as hazardous by DoT for ground shipping
Proper Shipping Name	Propylene Glycol
U.N. Number	Not classified as hazardous
International	Follow U.N. recommendations on The Transport of Dangerous Goods, 17th edition, revised
Ocean	Follow IMO International Maritime Dangerous Goods Code
Air	Follow IATA Dangerous Goods Regulation

15) Regulatory Information

CERCLA Sec. 103 RQ#	NO	EHS 302 TPQ	NO
RCRA Sec. 261.33	NO	TSCA Listed?	YES
SARA Sec. 261.33 RQ#	NO	EPA Special Hazard	NO
SARA 312 Name List	YES	CA Prop 65	NO
SARA 313 Name List	NO	REACH Listed?	NO

SARA Section 312 Hazardous Categories	
Immediate (acute) Health Hazard	NO
Delayed (chronic) Health Hazard	NO
Fire Hazard	YES
Reactivity Hazard	NO
Sudden Release of Pressure	NO

16) Other Information

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The information contained herein is based on the data available to us and is believed to be accurate. However, no warranty is expressed or implied regarding the accuracy of this data or the results to be obtained from the use thereof. We assume no responsibility for injuries from the use of the product described herein.

RESOURCES:

- United States Environmental Protection Agency
- United States Occupational Health and Safety Administration
- United States Department of Transportation
- United State Drug Enforcement Administration
- United Nations “Transport of Dangerous Goods” 17th Edition, 2011
- International Maritime “Dangerous Goods Code”
- International Air Transportation Association “Dangerous Goods Regulation”

TERMINOLOGY:

ACGIH	American Conference of Governmental Industrial Hygienists	RCRA	Resource Conservation and Recovery Act
CA	State of California, U.S.A.	REACH	Registration, Evaluation, Authorization and Restriction of Chemicals
CAS	Chemical Abstract Services	SARA	Superfund And Reauthorization Act
CERCLA	Comprehensive Environmental Response, Compensation, and Liability Act	TLV	Threshold Limit Value
EHS	Environmental Health and Safety	TPQ	Threshold Planning Quantity
HEPA	High Efficiency Particulate Air	TSCA	Toxic Substances Control Act
LEL	Lower Explosive Limit	UEL	Upper Explosive Limit
LD₅₀	Lethal dose for 50% of population	UN	United Nations
MSHA	Mine Safety Health Administration	IATA	International Air Transport Association
NIOSHA	National Institute of Occupational Safety and Health	EPA	Environmental Protection Agency
OSHA	Occupational Safety and Health Administration	DoT	Department of Transportation
PEL	Permissible Exposure Limits	IMO	International Maritime Organization

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