

PRODUCT NAME: PROPYLENE GLYCOL

This Material Safety Data Sheet is being provided to your company, for the purpose of providing current health and safety information to your management and employees who work with this product. Please read the data provided and then provide it to those people at your company who have the responsibility to insure compliance with both FEDERAL and STATE Right to Know regulations, and to those employees that request information on this product.

Federal Regulations: Parts 29 and 42 Code of Federal Regulations.

State of Illinois: Public Act 83-240

SECTION 1 - PRODUCT IDENTIFICATION

Manufacturer: First Priority, Inc.
1585 Todd Farm Drive
Elgin, IL 60123

Telephone Number: 800-650-4899
Emergency Number: Chemtrec
800-424-9300

Chemical Family: Glycols

Formula: N/A

Hazard Classification: Not regulated

HMIS Rating System: Health-0/Flammability-1/Reactivity-0

SECTION 2 - HAZARDOUS COMPONENTS

Ingredient	CAS#	PEL/TLV	Percent
Propylene Glycol	57-55-6	NE	99.5%

The hazard communication standard requires that such mixtures be assumed to present the same health hazard as do components that constitute as least 1% of the mixture (0.1% for carcinogens) although OSHA has noted that the hazards of individual components may be altered by including them in a mixture. Some of the ingredients of this mixture are a trade secret. NE = not established.

SECTION 3 - PHYSICAL DATA

Boiling Point:	AP 365° F (at 760 mmHg)	Specific Gravity:	AP 1.04 (H ₂ O= 1.0 at 39.2° F)
Vapor Pressure:	AP .08 mmHG (at 68° F)	Percent Volatile:	N.E.
Vapor Density:	AP 2.6 (Air=1.0 at 69-90° F)	Evaproation Rate:	N.E.
Solubility in Water:	Complete	Appearance & Odor:	Clear colorless, little or no odor, slightly viscous liquid

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SECTION 4 - FIRE & EXPLOSION DATA**Flash Point (Method):**

AP 211° F Method - TCC

Estimated Flammable Limits in Air:

Lower: 2.4 Upper: 17.4 (at normal atmospheric temp and pressure)

Extinguishing Media:

Alcohol type foam, CO2, dry chemical

Special Fire Fighting Procedures:

Do not enter fire area without proper protection. Fight fire from a safe distance/protected location. Heat may build pressure/rupture closed containers, spreading fire, increasing risk of burns/injuries. Use water spray/fog for cooling. Avoid frothing/steam explosion. Burning liquid may float on water. Although soluble, may not be practical to extinguish fire by water dilution. Notify authorities if liquid enters sewer/public waters.

Unusual Fire & Explosion Hazards:

Heat from fire can generate flammable vapor. When mixed with air and exposed to an ignition source, vapors may burn in open or can explode if confined. Vapors may travel long distances along the ground before igniting and flashing back to vapor source. Fine sprays/mist may be combustible at temperatures below normal flash point. Aqueous solutions of propylene glycol greater than 22% by weight, if heated sufficiently, will produce flammable vapors. Only aqueous solutions of propylene glycol less than 22% should be used in sprinkler systems or other fire-fighting equipment. Always drain and flush systems containing propylene glycol with water before welding or other maintenance.

SECTION 5 - HEALTH HAZARD DATA**Effects Of Overexposure****Eyes:** May cause minor eye irritation.**Skin:** No significant signs or symptoms indicative of any health hazard are expected to occur as a result of skin absorption exposure.**Inhalation:** No significant signs or symptoms indicative of any adverse health hazard are expected to occur as a result of inhalation exposure.**Ingestion:** No significant signs or symptoms indicative of any adverse health effect are expected to occur as a result of ingestion.**Emergency First Aid Procedures:****Eye Contact:** In case of eye contact, immediately rinse with clean water for 20-30 minutes. Retract eyelids often. Obtain emergency medical attention if pain, blinking, tears or redness persist.**Skin Contact:** Not expected to present a significant skin hazard under anticipated conditions of normal use.**Inhalation:** Not expected to present a significant inhalation hazard under anticipated conditions of normal use.**Ingestion:** Not expected to present a significant ingestion hazard under anticipated conditions of normal use.**SECTION 6 - REACTIVITY DATA****Stability:** Stable**Conditions to avoid instability:** High temperatures, oxidizing conditions.**Incompatibility:** Reacts with strong oxidizing agents.**Hazardous Decomposition Byproducts:** Incomplete combustion may produce carbon monoxide and other toxic gases.**Hazardous Polymerization:** Will not occur.

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SECTION 7 - SPILL OR LEAK PROCEDURES**Steps To Be Taken In Case Of Large Amount Of Material Is Released Or Spilled:**

May contaminate water supplies/pollute public waters. Evacuate/limit access. Prevent flow to sewers/public waters. Stop release. Notify fire and environmental authorities. Restrict water use for cleanup. Slippery walking. Spread granular cover. Impound/recover large land spill. Soak up small spill with inert solids. Use suitable disposal containers. On water, material soluble/may float or sink. May biodegrade. Contain/minimize dispersion/collect. Disperse residue to reduce aquatic harm. Report per regulatory requirements.

Waste Disposal Methods:

Landfill solids at permitted sites. Use registered transporters. Burn concentrated liquids, diluting with clean, low viscosity fuel. Avoid overloading/poisoning plant biomass. Assure effluent complies with applicable regulations. Contaminated product, soil or water should not be designated RCRA hazardous waste.

SECTION 8 - SPECIAL PROTECTION**Respiratory Protection:**

No special respiratory protection is recommended under normal conditions of anticipated use with adequate ventilation.

Ventilation:

No special ventilation is usually required to meet exposure standard.

Protective Gloves:

Not normally considered a skin hazard. Where use can result in skin contact, practice good hygiene. Wash hands and other exposed areas with mild soap and water before eating, drinking, smoking, and when leaving work.

Eye Protection:

Chemical goggles or face shield. Contact lenses should not be worn.

Other Protective Equipment:

Emergency eye wash stations and showers should be available.

SECTION 9 - SPECIAL PRECAUTIONS OR COMMENTS**Special precautions to be taken**

in handling & storing: Do not handle near heat, sparks, or open flame. Keep container closed when not in use. Store in dry, clean area.

Initial Date: August, 1996.

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