# PROPYLENE GLYCOL, USP KOSHER

Safety Data Sheet

according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations
Date of issue: 5/15/2015 Revision date: 1/13/2023 Version: 1.3

## SECTION 1: Identification

### 1.1. Identification

Product form : Substance
Trade name : PROPYLENE GLYCOL, USP KOSHER
Product code : 31630

### 1.2. Recommended use and restrictions on use

No additional information available

### 1.3. Supplier

Interstate Chemical Company, Inc.
2797 Freedland Road
Hermitage, PA, Mercer, 16148-0210
United States
T 800-422-2436 - F (724) 509-1015
herm-eh&s@interstatechemical.com - www.interstatechemical.com
herm-eh&s@interstatechemical.com

### 1.4. Emergency telephone number

Emergency number : For 24-Hour Emergency Information Call Chemtrec: +1 (800) 424-9300

## SECTION 2: Hazard(s) identification

### 2.1. Classification of the substance or mixture

**GHS US classification**

Not classified

### 2.2. GHS Label elements, including precautionary statements

**GHS US labeling**

No labeling applicable

### 2.3. Other hazards which do not result in classification

No additional information available

### 2.4. Unknown acute toxicity (GHS US)

Not applicable

## SECTION 3: Composition/Information on ingredients

### 3.1. Substances

Name : PROPYLENE GLYCOL, USP KOSHER

| Name | Product identifier | % | GHS US classification |
|---|---|---|---|
| 1,2-propanediol | CAS-No.: 57-55-6 | 100 | Not classified |

Full text of hazard classes and H-statements : see section 16

### 3.2. Mixtures

Not applicable

## SECTION 4: First-aid measures

### 4.1. Description of first aid measures

First-aid measures general : Never give anything by mouth to an unconscious person. If you feel unwell, seek medical advice (show the label where possible).

First-aid measures after inhalation : Allow victim to breathe fresh air. Allow the victim to rest.

First-aid measures after skin contact : Remove affected clothing and wash all exposed skin area with mild soap and water, followed by warm water rinse.

First-aid measures after eye contact : Rinse immediately with plenty of water. Obtain medical attention if pain, blinking or redness persists.

First-aid measures after ingestion : Rinse mouth. Do NOT induce vomiting. Obtain emergency medical attention.

### 4.2. Most important symptoms and effects (acute and delayed)

Potential Adverse human health effects and symptoms : Based on available data, the classification criteria are not met.

Symptoms/effects : Not expected to present a significant hazard under anticipated conditions of normal use.

### 4.3. Immediate medical attention and special treatment, if necessary

No additional information available

## SECTION 5: Fire-fighting measures

### 5.1. Suitable (and unsuitable) extinguishing media

Suitable extinguishing media : Foam. Dry powder. Carbon dioxide. Water spray. Sand.

Unsuitable extinguishing media : Do not use a heavy water stream.

### 5.2. Specific hazards arising from the chemical

No additional information available

### 5.3. Special protective equipment and precautions for fire-fighters

Firefighting instructions : Use water spray or fog for cooling exposed containers. Exercise caution when fighting any chemical fire. Prevent fire-fighting water from entering environment.

Protection during firefighting : Do not enter fire area without proper protective equipment, including respiratory protection.

## SECTION 6: Accidental release measures

### 6.1. Personal precautions, protective equipment and emergency procedures

#### 6.1.1. For non-emergency personnel

Emergency procedures : Evacuate unnecessary personnel.

#### 6.1.2. For emergency responders

Protective equipment : Equip cleanup crew with proper protection.

Emergency procedures : Ventilate area.

### 6.2. Environmental precautions

Prevent entry to sewers and public waters. Notify authorities if liquid enters sewers or public waters.

### 6.3. Methods and material for containment and cleaning up

Methods for cleaning up : Soak up spills with inert solids, such as clay or diatomaceous earth as soon as possible. Collect spillage. Store away from other materials.

### 6.4. Reference to other sections

See Heading 8. Exposure controls and personal protection.

## SECTION 7: Handling and storage

### 7.1. Precautions for safe handling

Precautions for safe handling : Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work. Provide good ventilation in process area to prevent formation of vapor.

### 7.2. Conditions for safe storage, including any incompatibilities

Storage conditions : Keep only in the original container in a cool, well ventilated place away from : Incompatible materials, Heat sources, Protect from moisture, Protect from sunlight. Keep container closed when not in use.

Incompatible products : Strong bases. Strong acids.

Incompatible materials : Sources of ignition. Direct sunlight.

## SECTION 8: Exposure controls/personal protection

### 8.1. Control parameters

**PROPYLENE GLYCOL, USP KOSHER**

No additional information available

**1,2-propanediol (57-55-6)**

No additional information available

### 8.2. Appropriate engineering controls

No additional information available

### 8.3. Individual protection measures/Personal protective equipment

**Personal protective equipment:**
Avoid all unnecessary exposure.

**Hand protection:**

Wear protective gloves

**Eye protection:**

Chemical goggles or safety glasses

**Respiratory protection:**

Wear appropriate mask

**Personal protective equipment symbol(s):**

**Other information:**
Do not eat, drink or smoke during use.

## SECTION 9: Physical and chemical properties

### 9.1. Information on basic physical and chemical properties

| | | |
|---|---|---|
| Physical state | : | Liquid |
| Appearance | : | Clear, colorless liquid. |
| Color | : | Colourless |
| Odor | : | Odourless |
| Odor threshold | : | No data available |
| pH | : | ≈ 7 (7 – 8) |
| Melting point | : | -60 °C |
| Freezing point | : | -28 °F |
| Boiling point | : | 370 °F |
| Flash point | : | 210 °F |
| Relative evaporation rate (butyl acetate=1) | : | No data available |
| Flammability (solid, gas) | : | Non flammable. |
| Vapor pressure | : | ≈ 0.129 mm Hg (At 77°F) |
| Relative vapor density at 20 °C | : | 2.6 (Air=1) |
| Relative density | : | 1.036 (Water=1 at 20°F) |
| Specific gravity / density | : | 8.64 lb/gal (At 60°F) |
| Solubility | : | No data available |
| Partition coefficient n-octanol/water (Log Pow) | : | No data available |
| Auto-ignition temperature | : | No data available |
| Decomposition temperature | : | No data available |
| Viscosity, kinematic | : | 20 mm²/s (At 68°F) |
| Viscosity, dynamic | : | No data available |
| Explosion limits | : | No data available |
| Explosive properties | : | No data available |
| Oxidizing properties | : | No data available |

### 9.2. Other information

No additional information available

## SECTION 10: Stability and reactivity

### 10.1. Reactivity

No additional information available

### 10.2. Chemical stability

Not established.

### 10.3. Possibility of hazardous reactions

Not established.

### 10.4. Conditions to avoid

Direct sunlight. Extremely high or low temperatures.

### 10.5. Incompatible materials

Strong acids. Strong bases.

### 10.6. Hazardous decomposition products

fume. Carbon monoxide. Carbon dioxide.

## SECTION 11: Toxicological information

### 11.1. Information on toxicological effects

Acute toxicity (oral) : Not classified
Acute toxicity (dermal) : Not classified
Acute toxicity (inhalation) : Not classified

| 1,2-propanediol (57-55-6) | |
|---|---|
| LD50 oral rat | 20000 mg/kg (Rat; Experimental value) |
| LD50 dermal rat | 22500 mg/kg (Rat; Experimental value) |
| LD50 dermal rabbit | 20800 mg/kg (Rabbit; Experimental value) |
| ATE US (oral) | 20000 mg/kg body weight |
| ATE US (dermal) | 20800 mg/kg body weight |

Skin corrosion/irritation : Not classified
pH: ≈ 7 (7 – 8)

| 1,2-propanediol (57-55-6) | |
|---|---|
| pH | 6.5 – 7.5 (50 %) |

Serious eye damage/irritation : Not classified
pH: ≈ 7 (7 – 8)

| 1,2-propanediol (57-55-6) | |
|---|---|
| pH | 6.5 – 7.5 (50 %) |

Respiratory or skin sensitization : Not classified
Germ cell mutagenicity : Not classified
Carcinogenicity : Not classified
Reproductive toxicity : Not classified
Specific target organ toxicity – single exposure : Not classified
Specific target organ toxicity – repeated exposure : Not classified
Aspiration hazard : Not classified
Viscosity, kinematic : 20 mm²/s (At 68°F)

| 1,2-propanediol (57-55-6) | |
|---|---|
| Viscosity, kinematic | 55.877 mm²/s |

Potential Adverse human health effects and symptoms : Based on available data, the classification criteria are not met.
Symptoms/effects : Not expected to present a significant hazard under anticipated conditions of normal use.

## SECTION 12: Ecological information

### 12.1. Toxicity

| 1,2-propanediol (57-55-6) | |
|---|---|
| EC50 - Daphnia [1] | 34400 mg/l (EC50; 48 h) |
| LC50 - Fish [2] | 51600 mg/l (LC50; OECD 203: Fish, Acute Toxicity Test; 96 h; Oncorhynchus mykiss) |

### 12.2. Persistence and degradability

| PROPYLENE GLYCOL, USP KOSHER | |
|---|---|
| Persistence and degradability | Not established. |

| 1,2-propanediol (57-55-6) | |
|---|---|
| Persistence and degradability | Readily biodegradable in water. Biodegradable in the soil. |
| Biochemical oxygen demand (BOD) | 0.96 – 1.08 g $O_2$/g substance |
| Chemical oxygen demand (COD) | 1.63 g $O_2$/g substance |
| ThOD | 1.69 g $O_2$/g substance |
| BOD (% of ThOD) | 0.57 |

### 12.3. Bioaccumulative potential

| PROPYLENE GLYCOL, USP KOSHER | |
|---|---|
| Bioaccumulative potential | Not established. |

| 1,2-propanediol (57-55-6) | |
|---|---|
| Partition coefficient n-octanol/water (Log Pow) | -1.41 – -0.3 (-0.92; Experimental value; -1.07; Experimental value; Equivalent or similar to OECD 107; 20.5 °C) |
| Bioaccumulative potential | Not bioaccumulative. |

### 12.4. Mobility in soil

| 1,2-propanediol (57-55-6) | |
|---|---|
| Surface tension | 0.036 N/m (25 °C) |

### 12.5. Other adverse effects

Other information : Avoid release to the environment.

## SECTION 13: Disposal considerations

### 13.1. Disposal methods

Product/Packaging disposal recommendations : Dispose in a safe manner in accordance with local/national regulations.
Ecology - waste materials : Avoid release to the environment.

## SECTION 14: Transport information

### 14.1. UN number

Not regulated for transport

### 14.2. UN proper shipping name

Proper Shipping Name (DOT) : Not Regulated by DOT
Proper Shipping Name (TDG) : Not applicable
Proper Shipping Name (IMDG) : Not applicable
Proper Shipping Name (IATA) : Not applicable

### 14.3. Transport hazard class(es)

**DOT**
Transport hazard class(es) (DOT) : Not applicable

**TDG**
Transport hazard class(es) (TDG) : Not applicable

**IMDG**
Transport hazard class(es) (IMDG) : Not applicable

**IATA**
Transport hazard class(es) (IATA) : Not applicable

### 14.4. Packing group

Packing group (DOT) : Not applicable
Packing group (TDG) : Not applicable
Packing group (IMDG) : Not applicable
Packing group (IATA) : Not applicable

### 14.5. Environmental hazards

Other information : No supplementary information available.

### 14.6. Special precautions for user

**DOT**
No data available

**TDG**
No data available

**IMDG**
No data available

**IATA**
No data available

### 14.7. Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

Not applicable

## SECTION 15: Regulatory information

### 15.1. US Federal regulations

Commercial status of components according to the United States Environmental Protection Agency's Toxic Substances Control Act (TSCA):

| Name | CAS-No. | Listing | Commercial status | Flags |
|---|---|---|---|---|
| 1,2-propanediol | 57-55-6 | Present | | |

## 15.2. International regulations

### CANADA

No additional information available

### EU-Regulations

No additional information available

### National regulations

No additional information available

## 15.3. US State regulations

| PROPYLENE GLYCOL, USP KOSHER | |
|---|---|
| State or local regulations | U.S. - New Jersey - Right to Know Hazardous Substance List |

California Proposition 65 - This product does not contain any substances known to the state of California to cause cancer, developmental and/or reproductive harm

| Component | State or local regulations |
|---|---|
| 1,2-propanediol(57-55-6) | U.S. - New Jersey - Right to Know Hazardous Substance List |

## SECTION 16: Other information

according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations

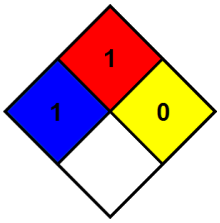
Revision date : 01/13/2023

Other information : None.

NFPA health hazard : 1 - Materials that, under emergency conditions, can cause significant irritation.

NFPA fire hazard : 1 - Materials that must be preheated before ignition can occur.

NFPA reactivity : 0 - Material that in themselves are normally stable, even under fire conditions.




Hazard Rating

Health : 1 Slight Hazard - Irritation or minor reversible injury possible

Flammability : 1 Slight Hazard - Materials that must be preheated before ignition will occur. Includes liquids, solids and semi solids having a flash point above 200 F. (Class IIIB)

Physical : 0 Minimal Hazard - Materials that are normally stable, even under fire conditions, and will NOT react with water, polymerize, decompose, condense, or self-react. Non-Explosives.

Personal protection : B - Safety glasses, Gloves

Safety Data Sheet (SDS), USA