

# Safety Data Sheet

## Propylene Glycol

SDS Revision Date: 08/30/2023



### 1. Identification

#### 1.1. Product identifier

<b>Product Identity</b>	Propylene Glycol
<b>Alternate Names</b>	Propane-1,2-diol, 1,2-Propylene Glycol.

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

<b>Intended use</b>	See Technical Data Sheet.
<b>Application Method</b>	See Technical Data Sheet.

#### 1.3. Details of the supplier of the safety data sheet

<b>Company Name</b>	Mac Coatings 1106 WALKER ROAD WINDSOR, ONTARIO N8Y 2N7
<b>Customer Service: Mac Coatings</b>	(519)-252-7275

### 2. Hazard(s) identification

#### 2.1. Classification of the substance or mixture

Physical Hazards	Not Classified
Health Hazards	Not Classified
OSHA defined Hazards	Not Classified

#### 2.2. Label elements

Hazard label: None

Signal Word: None

Hazard Statement: The mixture does not meet the criteria for classification.

#### **[Prevention]:**

Always observe good personal hygiene measures, such as washing after handling the material and before eating, drinking or smoking.

#### **[Response]:**

Wash Hands After Handling.

# Safety Data Sheet

## Propylene Glycol

SDS Revision Date: 08/30/2023



### [Storage]:

P403+233 Store in a well ventilated place. Keep container tightly closed.

P403 + 235 Store in a well-ventilated place. Keep cool.

P405 Store locked up.

### [Disposal]:

P501 Dispose of contents / container in accordance with local / national regulations.

### 2.3. Other Hazards

Vapors can accumulate in low areas.

## 3. Composition/information on ingredients

This product contains no substances classified as hazardous under GHS criteria.

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

## 4. First aid measures

### 4.1. Description of first aid measures

<b>General</b>	In all cases of doubt, or when symptoms persist, seek medical attention.
<b>Inhalation</b>	Remove to fresh air, keep patient warm and at rest. If breathing is irregular or stopped, give artificial respiration. Get Medical attention immediately.
<b>Eyes</b>	Immediately flush eyes with plenty of water for at least 15 minutes, occasionally lifting the upper and lower eyelids. Get medical attention immediately.
<b>Skin</b>	In case of contact, immediately flush skin with plenty of water for at least 15 minutes while removing contaminated clothing and shoes. Wash before reuse.
<b>Ingestion</b>	Do not induce vomiting. Get medical attention immediately. If ingestion of a large amount does occur, call a poison control center immediately

### 4.2. Most important symptoms and effects, both acute and delayed

<b>Inhalation</b>	May cause irritation of the mouth. Throat or esophagus.
<b>Eyes</b>	Causes eye irritation. May cause stinging/watering/redness/swelling.
<b>Skin</b>	May cause skin disorders if contact is prolonged.

# Safety Data Sheet

## Propylene Glycol

SDS Revision Date: 08/30/2023



### 5. Fire-fighting measures

#### 5.1. Extinguishing media

Foam. Dry Chemical powder. Carbon dioxide(CO<sub>2</sub>), water fog

#### 5.2. Special hazards arising from the substance or mixture

During fire, gasses hazardous to health may be formed.

#### 5.3. Advice for fire-fighters

Firefighters must use standard protective equipment including flame retardant coat, helmet with face shield, gloves, rubber boots, and in enclosed spaces, SCBA. Structural firefighter's protective clothing will only provide limited protection.

Material will not burn until all water has been evaporated off. May boil vigorously or spatter if temperature exceeds boiling point. Dry polymer films are capable of burning.

ERG Guide No. ---

### 6. Accidental release measures

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

Put on appropriate personal protective equipment (see section 8). Use good personal hygiene practices. Wash hands before eating, drinking, smoking or using toilet. Promptly remove soiled clothing and wash thoroughly before reuse.

#### 6.2. Environmental precautions

Prevent further leakage or spillage if safe to do so.

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

Contain spillage and then collect and place in container for disposal according to local regulations.

### 7. Handling and storage

#### 7.1. Precautions for safe handling

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

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

# Safety Data Sheet

## Propylene Glycol

SDS Revision Date: 08/30/2023



Store in original tightly closed container. Store in a well-ventilated place. Store away from incompatible materials (see section 10). Do not allow material to freeze.

### 7.3. Specific end use(s)

No data available.

## 8. Exposure controls and personal protection

### 8.1. Control parameters

#### Exposure

Not a hazardous substance/Mixture

### 8.2. Exposure controls

#### Respiratory

Use a properly fitted, air-purifying or air-fed respirator complying with an approved standard if a risk assessment indicated this is necessary.

#### Eyes

Chemical goggles and face shield recommended.

#### Skin

Chemical resistant, impervious gloves complying with an approved standard should be worn at all times. Coveralls, apron, and boots as necessary to minimize contact.

#### Engineering Controls

Use only in adequate ventilation. Use process enclosures, local exhaust ventilation or other engineering controls to keep worker exposure to airborne contaminants below any recommended or statutory limits.

#### 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

Colorless liquid

#### Odor

Distinct

#### Odor threshold

Not determined

#### pH

Not Measured

#### Melting point/freezing point

Not Measured

#### Initial boiling point and boiling range

Not Measured

#### Flash Point

99°C (210°F)

#### Evaporation rate (N-Butyl Acetate = 1)

() Faster Than N-BUTYL ACETATE

# Safety Data Sheet

## Propylene Glycol

SDS Revision Date: 08/30/2023



### Flammability (solid, gas)

Upper/lower flammability or explosive limits

Not applicable

**Lower Explosive Limit:** Not Applicable

**Upper Explosive Limit:** Not Applicable

### Vapor pressure (hPa)

Not Measured

### Vapor Density

(X)Heavier Than Air ( )Lighter than Air

### Specific Gravity

1.03

### Solubility in Water

Miscible

### Partition coefficient n-octanol/water (Log Kow)

Not Measured

### Auto-ignition temperature

Not Applicable

### Decomposition temperature

Not Measured

### 9.2. Other information

No other relevant information.

## 10. Stability and reactivity

### 10.1. Reactivity

The product is stable and non-reactive under normal conditions of use, storage and transport

### 10.2. Chemical stability

Stable under normal circumstances.

### 10.3. Possibility of hazardous reactions

Hazardous polymerization does not occur.

### 10.4. Conditions to avoid

Avoid Contact with incompatible materials, Do not heat product

### 10.5. Incompatible materials

Avoid contact with: Strong acids and oxidizing materials.

### 10.6. Hazardous decomposition products

Upon decomposition this product may yield oxides of carbon.

## 11. Toxicological information

### Acute toxicity

Respiratory irritation

An inhalation hazard may only arise if product is used in aerosol conditions if heated up. The material is misted or if the vapors are generated from heating. Exposure may cause irritation of mucous membranes and upper respiratory tract.

# Safety Data Sheet

## Propylene Glycol

SDS Revision Date: 08/30/2023



### Eye irritation

May cause eye irritation.

### Skin Irritation

Causes mild skin irritation

### Sensitization

Not expected to cause skin or respiratory sensitization.

### Aspiration Hazard

If swallowed can be aspirated into lungs and cause chemical pneumonia, varying degrees of pulmonary injury or death. If swallowed drink large quantities of water, do not induce vomiting.

### Chronic Exposure

Vapor/aerosol concentrations above recommended exposure levels may be irritating to the eyes and respiratory tract, may cause headaches, dizziness, anesthesia, drowsiness, unconsciousness and other central nervous system effects.

Prolonged or repeated direct exposure to the skin results in symptoms of irritation and redness, dermatitis or oil acne.

### Carcinogen Data

Product does not contain any carcinogenic materials identified by OSHA, NTP or IARC

Classification	Category	Hazard Description
Acute toxicity (oral)	---	Not Applicable
Acute toxicity (dermal)	---	Not Applicable
Acute toxicity (inhalation)	---	Not Applicable.
Skin corrosion/irritation	---	Not Applicable
Eye damage/irritation	---	Not Applicable
Respiratory sensitization	---	Not Applicable
Skin sensitization	---	Not Applicable
Germ cell mutagenicity	---	Not Applicable
Carcinogenicity	---	Not Applicable
Reproductive toxicity	---	Not Applicable
STOT-single exposure	---	Not Applicable
STOT-single exposure	---	Not Applicable
STOT-repeated exposure	---	Not Applicable

# Safety Data Sheet

## Propylene Glycol

SDS Revision Date: 08/30/2023



Aspiration hazard	---	Not Applicable
-------------------	-----	----------------

### 12. Ecological information

#### 12.1. Toxicity

No additional information provided for this product.

#### 12.2. Persistence and degradability

No data available.

#### 12.3. Bioaccumulative potential

No bioaccumulation is to be expected.

#### 12.4. Mobility in soil

Dissolves in water. If the product enters soil, one or more constituents will or may be mobile.

#### 12.5. Results of PBT and vPvB assessment

No data available.

#### 12.6. Other adverse effects

No data available.

### 13. Disposal considerations

#### 13.1. Waste treatment methods

Observe all federal, state and local regulations when disposing of this substance.

### 14. Transport information

	<b>DOT (Domestic Surface Transportation)</b>	<b>IMO / IMDG (Ocean Transportation)</b>	<b>ICAO/IATA</b>
<b>14.1. UN number</b>	Not Regulated	Not Regulated	Not Regulated
<b>14.2. UN proper shipping name</b>	Not Regulated	Not Regulated	Not Regulated
<b>14.3. Transport hazard class(es)</b>	<b>DOT Hazard Class:</b> Not Regulated	<b>IMDG:</b> Not Regulated <b>Sub Class:</b> Not Regulated	<b>Air Class:</b> Not Regulated
<b>14.4. Packing group</b>	Not Regulated	Not Regulated	Not regulated
<b>14.5. Environmental hazards</b>			
<b>IMDG</b>	No further information		

# Safety Data Sheet

## Propylene Glycol

SDS Revision Date: 08/30/2023



### 14.6. Special precautions for user

No further information

## 15. Regulatory information

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

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

### US EPA Tier II Hazards

**Fire:** Yes

**Sudden Release of Pressure:** No

**Reactive:** No

**Immediate (Acute):** Yes

**Delayed (Chronic):** No

### EPCRA 311/312 Chemicals and RQs (lbs):

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%):

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

### Pennsylvania RTK Substances (>1%):

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



# Safety Data Sheet

## Propylene Glycol

SDS Revision Date: 08/30/2023



### 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 contained herein is furnished without warranty of any kind. The above information is believed to be correct but does not purport to be all inclusive and should be used only as a guide. Users should make independent determinations of the suitability and completeness of information from all sources to assure proper use and disposal of these materials and the safety and health of employees and customers.

End of Document