



# Propylene Glycol Industrial

## Safety Data Sheet

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

Issue date 11/16/2015 Revision date 03/19/2020 Supersedes 05/07/2018 Version 1.3

### SECTION 1: Identification

#### 1.1. Identification

Product form	: Substance
Substance name	: Propylene Glycol Industrial
Chemical name	: 1,2-Propanediol
CAS-No.	: 57-55-6
Formula	: C <sub>3</sub> H <sub>8</sub> O <sub>2</sub>
Synonyms	: 1,2-dihydroxypropane / 1,2-propanediol / 1,2-propylene glycol / 2,3-propanediol / alpha-propylene glycol / DOWFROST / methyl ethylene glycol / methylethyl glycol / monopropylene glycol / MPG (=monopropylene glycol) / PG 12 / propane-1,2-diol / propylene glycol / SIRLENE / SOLAR WINTER BAN / SOLARGARD P / trimethyl glycol / UCAR 35

#### 1.2. Recommended use and restrictions on use

Use of the substance/mixture	: Solvent
Recommended use	: Industrial Use

#### 1.3. Supplier

<u>Atlanta Branch Office</u>	<u>Ocoee Branch Office</u>	<u>Spartanburg Branch Office</u>
Whitaker Oil Company	Whitaker Oil Company	Whitaker Chemicals LLC
1557 Marietta Road NW	280 Enterprise Street	405 John Dodd Road
Atlanta, GA 30318	Ocoee, FL 34761	Spartanburg, SC 29303
404-355-8220 (t)	407-656.0088 (t)	864-578-6968 (t)
404-355-2436 (f)	407-877-8335 (f)	864-578-6864 (f)

**WEBSITE:** www.whitakeroil.com      **EMAIL:** SDS@whitakeroil.com

#### 1.4. Emergency telephone number

Emergency number : **CHEMTREC** 800-424-9300

### SECTION 2: Hazard(s) identification

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

##### GHS US classification

Not a hazardous substance or mixture.

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

##### GHS US labeling

Not a hazardous substance or mixture.

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

This product is not to be used to produce fogs or mists in the theatrical, musical, or other entertainment performances. This product is not to be used as a component of the liquid used in electronic cigarette (e-cigarette) products.

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

Not applicable

### SECTION 3: Composition/Information on ingredients

#### 3.1. Substances

Substance type : Substance

Name	Product identifier	Conc.	GHS US classification
Propylene Glycol (Main constituent)	(CAS-No.) 57-55-6	100	Not classified

#### 3.2. Mixtures

Not applicable

# Propylene Glycol Industrial

## Safety Data Sheet

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### SECTION 4: First-aid measures

#### 4.1. Description of first aid measures

- |                                       |   |
|---------------------------------------|---|
| First-aid measures general            | : Treat symptomatically. Get medical attention if symptoms occur.   |
| First-aid measures after inhalation   | : Remove person to fresh air and keep comfortable for breathing. Get medical attention if symptoms occur.                     |
| First-aid measures after skin contact | : Wash skin with water and soap as a precaution.  |
| First-aid measures after eye contact  | : Rinse eyes with water as a precaution. Remove contact lenses. If eye irritation persists, consult a specialist.             |
| First-aid measures after ingestion    | : Keep respiratory tract clear. Never give anything by mouth to an unconscious person. If symptoms persist, call a physician. |

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

Treat symptomatically.

### SECTION 5: Fire-fighting measures

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

- |                                |   |
|--------------------------------|---|
| Suitable extinguishing media   | : Use extinguishing measures that are appropriate to local circumstances and the surrounding environment. |
| Unsuitable extinguishing media | : High volume water jet.  |

#### 5.2. Specific hazards arising from the chemical

- |                                |  |
|--------------------------------|--|
| Fire hazard                    | : No information available               |
| Hazardous combustion products  | : Carbon oxides.                         |
| Specific extinguishing methods | : Standard procedure for chemical fires. |

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

- |                                |  |
|--------------------------------|--|
| Further information            | : No action shall be taken involving any personal risk or without suitable training.   |
| Firefighting instructions      | : Cool tanks/drums with water spray/remove them into safety.   |
| Protection during firefighting | : Do not attempt to take action without suitable protective equipment. Self-contained breathing apparatus. Complete protective clothing. |

### SECTION 6: Accidental release measures

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

- |   |                                      |
|---|--------------------------------------|
| Personal precautions, protective equipment and emergency procedures | : Use personal protective equipment. |
|---|--------------------------------------|

#### 6.2. Environmental precautions

No special environmental precautions required.

If the product contaminates rivers and lakes or drains inform respective authorities.

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

- |                         |   |
|-------------------------|---|
| For containment         | : Contain released product, pump into suitable containers. Plug the leak, cut off the supply. |
| Methods for cleaning up | : Take up liquid spill into absorbent material.   |
| Other information       | : Dispose of materials or solid residues at an authorized site.                               |

#### 6.4. Reference to other sections

For further information refer to section 13.

### SECTION 7: Handling and storage

#### 7.1. Precautions for safe handling

- |                               |   |
|-------------------------------|---|
| Precautions for safe handling | : Ensure good ventilation of the work station. Wear personal protective equipment.                  |
| Hygiene measures              | : Do not eat, drink or smoke when using this product. Always wash hands after handling the product. |

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

- |                              |  |
|------------------------------|--|
| Storage conditions           | : No special storage conditions required. Keep in properly labeled containers.   |
| Heat-ignition                | : Keep substance away from: Heat sources.  |
| Information on mixed storage | : Keep substance away from: oxidizing agents. reducing agents. (strong) acids. water/moisture.   |
| Storage area                 | : Store in a cool area. Store in a dry area. Store at ambient temperature. Keep out of direct sunlight. Ventilation at floor level. Provide the tank with earthing. Meet the legal requirements. |

# Propylene Glycol Industrial

## Safety Data Sheet

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

### SECTION 8: Exposure controls/personal protection

#### 8.1. Control parameters

##### Propylene Glycol Industrial (57-55-6)

Contains no substances with occupational exposure limit values.

#### 8.2. Appropriate engineering controls

Appropriate engineering controls : Ensure good ventilation of the work station.  
Environmental exposure controls : Avoid release to the environment.

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

##### Hand protection:

PVC or other plastic material gloves.

##### Eye protection:

Tightly fitting safety goggles.

##### Skin and body protection:

Choose body protection according to the amount and concentration of the dangerous substance at the work place.

##### Respiratory protection:

No personal respiratory protective equipment normally required.

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



### SECTION 9: Physical and chemical properties

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

Physical state : Liquid  
Appearance : Liquid.  
Color : Colorless, clear  
Odor : odorless  
Odor threshold : No data available  
pH : ca. 7  
neutral  
Freezing point : ca. -60 °C / ca. -76 °F  
Boiling point : ca. 188 °C / 370 °F  
(ca. 1,013.08 hPa)  
Flash point : ca. 109 °C / ca. 228 °F (Closed cup)  
Relative evaporation rate (butyl acetate=1) : < 0.1  
Flammability (solid, gas) : Not applicable.  
Vapor pressure : < 0.1333 hPa (77 °F/ 25 °C)

# Propylene Glycol Industrial

## Safety Data Sheet

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

Relative vapor density	: ca. 2.6 (59 – 90 °F / 15 – 32 °C)
Relative density	: 1.04 (77 °F / 25 °C)
Density	: 1.04 g/cm <sup>3</sup> (68 °F / 20 °C)
Solubility	: No data is available on the product itself.
Partition coefficient n-octanol/water (Log Pow)	: -1 -0.92
Auto-ignition temperature	: ca. 371 °C / 700 °F
Decomposition temperature	: No data available
Viscosity, kinematic	: <20 mm <sup>2</sup> /s
Viscosity, dynamic	: ca. 46 mPa·s (77 °F / 25 °C)
Explosion limits	: Lower explosive limit (LEL): 2.6 vol % Upper explosive limit (UEL): 12.6 vol %
Explosive properties	: No data available
Oxidizing properties	: No data available

### 9.2. Other information

Other properties : No additional data available

## SECTION 10: Stability and reactivity

### 10.1. Reactivity

No dangerous reaction known under conditions of normal use.

### 10.2. Chemical stability

Stable under normal conditions.

### 10.3. Possibility of hazardous reactions

No hazards to be specially mentioned.

### 10.4. Conditions to avoid

None under recommended storage and handling conditions (see section 7).

### 10.5. Incompatible materials

No additional information available

### 10.6. Hazardous decomposition products

Under normal conditions of storage and use, hazardous decomposition products should not be produced.

## SECTION 11: Toxicological information

### 11.1. Information on toxicological effects

Skin corrosion/irritation	: Not classified pH: 7
Serious eye damage/irritation	: Not classified pH: 7
Respiratory or skin sensitization	: Not classified
Germ cell mutagenicity	: Not classified
Carcinogenicity	: Not classified

**IARC:** No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC.

**ACGIH:** No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by ACGIH.

**OSHA:** No component of this product present at levels greater than or equal to 0.1% is on OSHA's list of regulated carcinogens.

**NTP:** No component of this product present at levels greater than or equal to 0.1% is identified as a known or anticipated carcinogen by NTP.

# Propylene Glycol Industrial

## Safety Data Sheet

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Reproductive toxicity	: Not classified
STOT-single exposure	: Not classified
STOT-repeated exposure	: Not classified
Aspiration hazard	: Not classified
Viscosity, kinematic	: <20 mm <sup>2</sup> /s

### SECTION 12: Ecological information

#### 12.1. Toxicity

Ecology - general	: The product is not considered harmful to aquatic organisms or to cause long-term adverse effects in the environment.
Ecology - water	: Not harmful to crustacea. Not harmful to fishes. Groundwater pollutant. Not harmful to algae. Not harmful to bacteria.

#### 12.2. Persistence and degradability

Propylene Glycol Industrial (57-55-6)	
Persistence and degradability	No data available

#### 12.3. Bioaccumulative potential

Propylene Glycol Industrial (57-55-6)	
Bioaccumulative potential	No data available

#### 12.4. Mobility in soil

Propylene Glycol Industrial (57-55-6)	
Ecology - soil	No data available

#### 12.5. Other adverse effects

No additional information available

### SECTION 13: Disposal considerations

#### 13.1. Disposal methods

Waste treatment methods	: Dispose of contents/container in accordance with licensed collector's sorting instructions.
Product/Packaging disposal recommendations	: Do not discharge into drains or the environment. Remove waste in accordance with local and/or national regulations. Recycle by distillation. Remove to an authorized waste incinerator for solvents with energy recovery. Obtain the consent of pollution control authorities before discharging to wastewater treatment plants.
Additional information	: Empty containers should be taken to an approved waste handling site for recycling or disposal.

### SECTION 14: Transport information

#### Department of Transportation (DOT)

Not regulated as dangerous goods

### SECTION 15: Regulatory information

#### 15.1. US Federal regulations

Propylene Glycol Industrial (57-55-6)	
Listed on the United States TSCA (Toxic Substances Control Act) inventory	

All components of this product are listed, or excluded from listing, on the United States Environmental Protection Agency Toxic Substances Control Act (TSCA) inventory

This product or mixture is not known to contain a toxic chemical or chemicals in excess of the applicable de minimis concentration as specified in 40 CFR §372.38(a) subject to the reporting requirements of section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 and 40 CFR Part 372.

# Propylene Glycol Industrial

## Safety Data Sheet

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

### 15.2. International regulations

#### CANADA

DSL : All components of this product are on the Canadian DSL

#### EU-Regulations

REACH (European Union)

#### National regulations

No additional information available

### 15.3. US State regulations

#### Propylene Glycol Industrial (57-55-6)

State or local regulations	U.S. - New Jersey - Right to Know Hazardous Substance List
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California Proposition 65 - This product does not contain any substances known to the state of California to cause cancer, developmental and/or reproductive harm

## SECTION 16: Other information

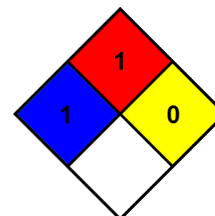
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Revision date : 03/19/2020

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 : 0 Minimal Hazard - No significant risk to health

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.

SDS US (GHS HazCom 2012)

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