

**Section 1: Identification of the Substance/Mixture and of the Company/Undertaking**

- 1.1 Product Name:** Dipropylene Glycol  
**Product Code:** 516-338X
- 1.2 Intended Use:** Compound used in customer substance/mixture/product.
- 1.3 Supplier:** Majestic Mountain Sage Inc  
2490 S 1350 W  
Nibley, Utah 84321 - United States of America  
T 435.755.0863 - F 435.755.2108  
[www.TheSage.com](http://www.TheSage.com)
- 1.4 Emergency Telephone Number**  
No additional information available.

**SECTION 2: Hazards Identification**

**2.1 Classification**

**GHS Classification**

Not a hazardous substance or mixture.

**2.2 Label Elements**

**Hazard Statements**

NC Not a hazardous substance or mixture.

**Precautionary Statements**

NC Not a hazardous substance or mixture.

**2.3 Hazards Not Otherwise Classified (HNOC)**

Not applicable.

**2.4 Other Information**

Not applicable.

<b>SECTION 3: Composition/Information on Ingredients</b>
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### 3.1 Substance

<b>Chemical Name</b>	<b>CAS No.</b>	<b>Weight %</b>
Dipropylene Glycol	25265-71-8	100

<b>SECTION 4: First Aid Measures</b>
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### 4.1 Description of First Aid Measures

**Eye Contact:** Immediately flush with plenty of water. After initial flushing, remove any contact lenses and continue flushing for at least 15 minutes. If irritation develops and persists, get medical attention/advice.

**Skin Contact:** Immediately take off contaminated clothing or shoes. Wash affected area with soapy water. Wash clothing or shoes before reuse.

**Inhalation:** If effects of exposure appear, move the patient to a non-polluted area. If chemical inhaled, get medical attention/advice immediately.

**Ingestion:** If chemicals are ingested, get medical attention/advice immediately.

### 4.2 Most Important Symptoms and Effects, Both Acute and Delayed

**Symptoms:** No information available.

### 4.3 Indication of Any Immediate Medical Attention and Special Treatment Needed

**Note to physicians:** No information available.

## SECTION 5: Firefighting Measures

### 5.1 Extinguishing Media

**Suitable:** CO<sub>2</sub>, powder fire extinguishing agent, water, ordinary foam.  
For big fires: Use an ordinary fire-fighting agent and a fine water spray.

**Unsuitable:** None to be specifically mentioned.

### 5.2 Unusual Fire Fighting Hazards

Acids, aldehydes, carbon monoxide.  
Fire and Explosion Risk: Slight risk of fire.

### 5.3 Protective Equipment and Precautions for Firefighters

Move the container from near the fire if work can be done without risk. Spray high-pressure water on the leaked substance to prevent scattering. Construct a back for further processing. Use a fire extinguisher that has been used and found effective for nearby fire. Avoid inhalation of substances or their fumes. Stand facing the wind and avoid low areas.

## SECTION 6: Accidental Release Measures

### 6.1 Personal Precautions, Protective Equipment and Emergency Procedures

Workers should only stop a chemical spill if it is not dangerous to do so.

### 6.2 Environmental Precautions

No data available.

### 6.3 Methods and Material for Containment and Cleaning up

For further disposal, move the leaked substance to a suitable container and dispose. Absorb using nonflammable substances. Quarantine the exposed area and restrict access to the area except for the related personnel.

## SECTION 7: Handling and Storage

### 7.1 Precautions for Safe Handling

Store in an enclosed containers. Ventilate using an overall or local air exhauster. Wash the body and clothing after using chemicals.

### 7.2 Conditions for Safe Storage, Including Any Incompatibilities

Store in an enclosed care. Store in a cool and dry place. Avoid contact with moisture. Avoid contact with the halogens and intermediate halogens. Store and use in accordance with the laws and regulations of the relevant government department and local self-governing bodies. Store in a well-ventilated area.

## SECTION 8: Exposure Controls/Personal Protection

### 8.1 Control Parameters

#### Exposure Guidelines:

Component Name	CAS #	OSHA PEL	ACGIH TLV
Dipropylene Glycol	25265-71-8	Not Established	Not Established

### 8.2 Appropriate Engineering Controls

Check whether the work process complies with the allowable standards and exposure standards. Install a ventilation device, such as a local exhauster, to ensure a suitable control wind speed. Install an emergency shower and basins for easy us by workers.

### 8.3 Individual Protection Measures, Such as Personal Protective Equipment

**Eye/Face Protection:** Wear protective glasses.

**Skin/Body Protection:** Wear chemical resistant gloves and chemical resistant clothing.

**Respiratory Protection:** No protective equipment is needed under normal use conditions. If exposure limits are exceeded or irritation is experienced, make sure to wear protection devices certified by NIOSH.

## SECTION 9: Physical and Chemical Properties

### 9.1 Information on Basic Physical and Chemical Properties

<b>Physical State:</b>	Liquid
<b>Appearance:</b>	Colorless
<b>Color:</b>	No information available
<b>Odor:</b>	Odorless
<b>Odor Threshold:</b>	No information available

<u>Property</u>	<u>Values</u>
<b>pH:</b>	No information available
<b>Melting/Freezing Point:</b>	< -20°C
<b>Boiling Point/Range:</b>	227°C
<b>Flash Point:</b>	130°C
<b>Evaporation Rate:</b>	No information available
<b>Flammability (solid, gas):</b>	No information available
<b>Flammability Limit in Air</b>	
<b>Upper Flammability Limit:</b>	Not flammable
<b>Lower Flammability Limit:</b>	Not flammable
<b>Vapor Pressure:</b>	1.3 Pa at 25°C
<b>Vapor Density:</b>	4.63 (air=1)
<b>Relative Density:</b>	No information available
<b>Solubility:</b>	Miscible with water at 20°C
<b>Partition Coefficient:</b>	No information available
<b>Auto-ignition Temperature:</b>	332°C
<b>Decomposition Temperature:</b>	No information available
<b>Viscosity:</b>	118 mm <sup>2</sup> /s at 20°C, 32 mm <sup>2</sup> /s at 40°C
<b>Explosive Properties:</b>	No information available
<b>Oxidizing Properties:</b>	No information available

### 9.2 Other Information

<b>Softening Point:</b>	No information available
<b>Molecular Weight:</b>	No information available
<b>VOC Content (%):</b>	No information available
<b>Density:</b>	No information available
<b>Bulk Density:</b>	No information available
<b>Volatility:</b>	No information available

## SECTION 10: Stability and Reactivity

### 10.1 Reactivity

No data available.

### 10.2 Chemical Stability

Stable at room temperature and normal pressure.

### 10.3 Possibility of Hazardous Reactions

None under normal processing.

### 10.4 Conditions to Avoid

Heat, flames, sparks and other sources of ignition. Avoid contact with substances that are prohibited for mixing.

### 10.5 Incompatible Materials

Acids, bases, combustible substances, halogen carbon chemicals, metals, metallic salts, oxidizers, reducers.

### 10.6 Hazardous Decomposition Products

Pyrolysis products or burning products (Carbon Oxide).

## SECTION 11: Toxicological Information

### 11.1 Information on Likely Routes of Exposure

<b>Product Information:</b>	No data available.
<b>Inhalation:</b>	No data available.
<b>Eye Contact:</b>	No data available.
<b>Skin Contact:</b>	May cause irritation.
<b>Ingestion:</b>	No data available.

### 11.2 Information on Toxicological Effects

Component Name	LD50	LC50
Dipropylene Glycol	LD50 (Dermal) Rabbit > 20,460mg/kg LD50 (Oral) Rat 14,850	Inhalation - Rat - Male and Female - 4 h - > 2.34 mg/L

### 11.3 Delayed, Immediate Effects, Chronic Effects from Short & Long-term Exposure

<b>Reproductive Effects:</b>	Not applicable.
<b>Teratogenicity:</b>	Not applicable.
<b>Mutagenicity:</b>	Not applicable.
<b>Embryotoxicity:</b>	Not applicable.
<b>Sensitization to Product:</b>	Not applicable.
<b>Synergistic Products:</b>	Not applicable.

### 11.4 Numerical Measures of Toxicity - Product Information

No information available.

## SECTION 12: Ecological Information

### 12.1 Ecotoxicity

#### Short-Term Toxicity to Fish:

LC50 (96h) for freshwater fish (*Pimephales promelas*), static: 46500 mg/L test mat. (Nominal); LC50 (96h) for freshwater fish (*Oryzias latipes*), semi-static: >100 mg/L test mat. (Nominal); LC50 (24h) for fresh water fish (*oryzias latipes*), semi-static: >1000 mg/L test mat. (Nominal); LC50 (96h) for fresh water fish: 15167 mg/L.

#### Long-Term Toxicity to Fish:

ChV(30d) for freshwater fish: 1340 mg/L

#### Short-Term Toxicity to Aquatic Invertebrates:

EC50: (48h) for fresh water invertebrates (*Daphnia magna*), static: >100mg test mat. (Meas. (Not specified)) based on: mobility; ED50 (48h) for fresh water invertebrates (*daphnia magna*), flow-through: >109mg test. mat (meas. (Not specified)) based on: mobility; LC50 (48h) for fresh water invertebrates (other aquatic Crustacea: daphnids): 5943 mg/.

#### Long-Term Toxicity to Aquatic Invertebrates:

ChV(16d) for freshwater fish: 466 mg/L

#### Toxicity to Algae/Aquatic Plants:

EC50 (72h) for freshwater algae (*Desmodesmus subspicatus*): >100 mg/L test mat. (Nominal) based on: biomass; ED50 (72h) for freshwater algae (*desmodesmus subspicatus*): >100 mg/L test mat. (Nominal) based on: growth rate; NOEC (72h) for freshwater algae (*Desmodesmus subspicatus*): > 100 mg/L test mat. (Nominal) based on: growth rate; EC50 (96h) for freshwater algae (green algae): 968 mg/L

**Toxicity to Other Aquatic Organisms:**

LC50 (48h) for vertebrates (xenopus laevis): 3181 mg/L test mat. (Nominal) based on: mortality.

**Toxicity to Aquatic Micro-Organisms:**

ED50 (18h), (Pseudomonas putide), static: > 1000 mg/L mat. (Nominal) based on: growth inhibition.

**12.2 Persistence and Degradability**

A closed bottle test (OECD 301F) showed that dipropylene glycol is readily biodegradable. Therefore, dipropylene glycol can be regarded as not persistent.

**12.3 Bioaccumulation**

Based on the result of the octanol/water partition coefficient (Log Kow of -0.46) and from results of the bioaccumulation study with carp species, it is expected that dipropylene glycol has no Bioaccumulation potential.

**12.4 Other Adverse Effects**

No information available.

**SECTION 13: Disposal Considerations**

**13.1 Waste Treatment Methods**

Disposal should be in accordance with applicable regional, national and local laws and regulations.

**SECTION 14: Transport Information**

**14.1 DOT**                      Not regulated.

**SECTION 15: Regulatory Information**

**15.1 US Federal Regulations**

**TSCA Status**

No information available.

**SARA Title III Section 302/304 Extremely Hazardous Substance**

No chemicals in this material are subject to the reporting requirements.



**SARA Title III Section 311/312 Hazard Categories**

<b>Acute Health Hazard</b>	N/A
<b>Chronic Health Hazard</b>	N/A
<b>Fire Hazard</b>	N/A
<b>Sudden Release of Pressure Hazard</b>	N/A
<b>Reactive Hazard</b>	N/A

**SARA Title III Section 313**

No chemicals in this material are subject to the reporting requirements.

**CERCLA Section 102 (a) Hazardous Substance**

No chemicals in this material are subject to the reporting requirements.

**15.3 U.S. State Regulations**

**California Proposition 65**

No chemicals in this material are subject to the reporting requirements.

<b>SECTION 16: Other Information</b>
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**16.1 NFPA Rating**

<b>Health Hazards:</b>	-
<b>Flammability:</b>	-
<b>Instability:</b>	-
<b>Physical and Chemical Properties:</b>	-

**16.2 HMIS Rating**

<b>Health Hazards:</b>	-
<b>Flammability:</b>	-
<b>Physical Hazards:</b>	-
<b>Personal Protection:</b>	-

**Notes:**

This safety data sheet is based on the properties of the material known at the time the data sheet was issued. The safety data sheet is intended to provide information for a health and safety assessment of the material and the circumstances, under which it is packaged, stored or applied in the workplace. For such a safety assessment holds no responsibility. This document is not intended for quality assurance purposes.