



## Specification

**Product Name:** Propylene Glycol

**Product Code:** SPEC0050

### Description:

Our Propylene Glycol is premium quality USP / EP pharma food grade. Also known as MPG or Mono-Propylene Glycol. Ideal for various food applications, floral waters, e-liquids, hair products, soap and skincare products. It can also aid the bonding of oils and blends so that they perfectly combine in food applications. Propylene Glycol is a colourless liquid that is added to foods, moisturising creams, lotions, bath salts and any other formulations to add additional moisturisation. It is also added to skin and hair care products and soap making as a lubricant and preservative. Our Propylene Glycol is 99.9% pure (as pure as it gets). Supplied in a tamper-evident container.

### Specifications:

| Property                      | Specification     |
|-------------------------------|-------------------|
| Purity monopropylene glycol   | >99.9%            |
| Purity, Dipropylene glycol    | 0.1 Max           |
| Monoethylene Glycol           | <0.1%             |
| Diethylene Glycol             | <0.1%             |
| APHA colour                   | 5 Max             |
| Water (Fischer)               | 0.1% Max          |
| Specific Gravity @ 25 °C      | 1.0350 – 1.0370   |
| Distillation range °C         | 185-189           |
| Refractive Index nD20         | 1.431 – 1.433     |
| Sulphated Ash                 | 70 mg/kg Max      |
| Chlorides                     | 1 mg/kg Max       |
| Sulphate                      | 60 mg/kg Max      |
| Neutralisation Number         | 0.01 mg KOH/g Max |
| Acidity (as acetic acid) % wt | 0.002 Max         |
| Heavy metals                  | 5 mg/kg Max       |
| Iron                          | 0.3 mg/kg Max     |
| Arsenic                       | <2.0 mg/kg        |
| Lead                          | 1 mg/kg Max       |

**Microbiology:** Does not support microbial growth.

**Legislation:** Monopropylene glycol Complies (EU) No 231/2012 (food additives),  
United States Pharmacopoeia (USP) European Pharmacopoeia (EP)

**Country of Origin:** Belgium / Netherlands

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**Heavy Metals:** Produced by the reaction of water and propylene oxide. A distillation process performs separation and purification of the final product. Although Propylene Glycols are not tested on a routine basis for the declared impurities, the production Route does not entail the use of these products in any stage of the manufacturing Process. Nor have they been seen to be produced within the process, and from this it is reasonable to assume that the following impurities are not present: Aluminium (Al), Arsenic (As), Barium (Ba), Beryllium (Be), Boron (B), Cadmium (Cd) Calcium (Ca), Cobalt (Co), Chromium (Cr), Copper (Cu), Iron (Fe), Lead (Pb) Manganese (Mn), Mercury (Hg), Molybdenum (Mo), Nickel (Ni), Potassium (K) Selenium (Se), Silver (Ag), Sodium (Na), Tin (Sn), Titanium (Ti), Vanadium (V) Zinc (Zn)

**Ingredients:**

Propylene Glycol (99.9%) E1520

**Dietary Information:**

Suitable for Vegans, Vegetarians, Non-GMO. Gluten Free, Non-Irradiated.

**Storage:**

Store in dry, cool conditions and not in direct sunlight.

**Packaging:**

| Size      | EAN           |
|-----------|---------------|
| 1L        | 5060341115516 |
| 5L        | 5060341115523 |
| 1000L IBC | 5056191008405 |

**Shelf Life:**

24 months from production date.

**Allergen Declaration**

| Allergen                                                                                                    | Contains (Y/N) |
|-------------------------------------------------------------------------------------------------------------|----------------|
| Cereals containing Gluten                                                                                   | N              |
| Crustaceans                                                                                                 | N              |
| Eggs                                                                                                        | N              |
| Fish                                                                                                        | N              |
| Peanuts                                                                                                     | N              |
| Soybeans                                                                                                    | N              |
| Milk                                                                                                        | N              |
| Nuts                                                                                                        | N              |
| Celery                                                                                                      | N              |
| Mustard                                                                                                     | N              |
| Sesame Seeds                                                                                                | N              |
| Sulphur Dioxide and Sulphites (at concentration of more than 10mg/kg or 10mg/L in terms of Sulphur Dioxide) | N              |
| Lupin                                                                                                       | N              |
| Molluscs                                                                                                    | N              |



## Material Safety Data Sheet

### 1: Substance/Preparation and Company Identification:

#### 1.1 – Product Identifier

Product Name: Monopropylene Glycol

EINECS-No.: 200-338-0

CAS-No.: 57-55-6

REACH registered number(s): 01-2119456809-23-\*\*\*\*

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

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#### 1.3 – Suppliers Details

Special Ingredients Ltd, 4 Foxwood View, Chesterfield, S41 9RN. Tel: 0044 (0)1246 906247.

E-mail address: <https://specialingredients.co.uk/pages/contact>.

Emergency Telephone Contact: 07387 330318

### 2: Hazard Identification:

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

Classification under CLP: This product has no classification under CLP.

#### 2.2 – Label elements

Label elements: This product has no label elements.

#### 2.3 – Other hazards

PBT: This product is not identified as a PBT/vPvB substance.

### 3: Composition and Information on Ingredients:

#### 3.1 – Substances

Chemical identity: MONOPROPYLENE GLYCOL

CAS number: 57-55-6

EINECS number: 200-338-0

REACH registered number(s): 01-2119456809-23-\*\*\*\*

### 4: First Aid Measures:

#### 4.1 – Description of first aid measures

Skin contact: Wash immediately with plenty of soap and water.

Eye contact: Bathe the eye with running water for 15 minutes.

Ingestion: Wash out mouth with water.

Inhalation: Consult a doctor.

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

Skin contact: There may be mild irritation at the site of contact.

Eye contact: There may be irritation and redness.

Ingestion: There may be irritation of the throat.

Inhalation: No symptoms.

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**4.3 – Indication of any immediate medical attention and special treatment needed**

Immediate / special treatment: Not applicable.

**5: Firefighting Measures:****5.1 – Extinguishing media**

Extinguishing media: Suitable extinguishing media for the surrounding fire should be used. Use water spray to cool containers.

**5.2 – Special hazards arising from the substance or mixture**

Exposure hazards: In combustion emits toxic fumes.

**5.3 – Advice for firefighters**

Advice for fire-fighters: Wear self-contained breathing apparatus. Wear protective clothing to prevent contact with skin and eyes.

**6: Accidental Release Measures:****6.1 – Personal precautions, protective equipment and emergency procedures**

Personal precautions: Refer to section 8 of SDS for personal protection details.

**6.2 – Environmental precautions**

Environmental precautions: Do not discharge into drains or rivers. Contain the spillage using bunding.

**6.3 – Methods and material for containment and cleaning up**

Clean-up procedures: Absorb into dry earth or sand. Transfer to a closable, labelled salvage container for disposal by an appropriate method.

**6.4 – Reference to other sections**

Reference to other sections: Refer to section 8 of SDS.

**7: Handling And Storage:****7.1 – Precautions for safe handling**

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**7.2 – Conditions for safe storage, including any incompatibilities**

Storage conditions: Store in a cool, well-ventilated area. Keep container tightly closed.

**7.3 – Specific end use(s)**

Specific end use(s): No data available.

**8: Exposure Controls/ Personal Protection:****8.1 – Control parameters**

Workplace exposure limits: No data available.

DNEL/PNEC Values: No data available.

**8.2 – Exposure Controls**

Respiratory protection: Respiratory protection not required.

Hand protection: Protective gloves.

Eye protection: Safety glasses. Ensure eye bath is to hand.

Skin protection: Protective clothing.

## **9: Physical and Chemical Properties:**

### **9.1 – Information on basic physical and chemical properties**

State: Liquid

Colour: Colourless

Odour: Characteristic odour

Solubility in water: Soluble

Flash point °C: >93

### **9.2 – Other information**

Other information: No data available.

## **10: Stability and Reactivity:**

### **10.1 – Reactivity**

Reactivity: Stable under recommended transport or storage conditions.

### **10.2 – Chemical stability**

Chemical stability: Stable under normal conditions.

### **10.3 – Possibility of hazardous reactions**

Hazardous reactions: Hazardous reactions will not occur under normal transport or storage conditions.

Decomposition may occur on exposure to conditions or materials listed below.

### **10.4 – Conditions to avoid**

Conditions to avoid: Heat.

### **10.5 – Incompatible materials**

Materials to avoid: Strong oxidising agents. Strong acids.

### **10.6 – Hazardous decomposition products**

Haz. decomp. products: In combustion emits toxic fumes.

## **11: Toxicological Information:**

### **11.1 – Information on toxicological effects**

Toxicity values: No data available.

### **Symptoms / routes of exposure**

Skin contact: There may be mild irritation at the site of contact.

Eye contact: There may be irritation and redness.

Ingestion: There may be irritation of the throat.

Inhalation: No symptoms.

## **12: Ecological Considerations:**

**12.1 – Toxicity**

Ecotoxicity values: No data available.

**12.2 – Persistence and degradability**

Persistence and degradability: Biodegradable.

**12.3 – Bioaccumulative potential**

Bioaccumulative potential: No bioaccumulation potential.

**12.4 – Mobility in soil**

Mobility: Readily absorbed into soil.

**12.5 – Results of PBT and vPvB assessment**

PBT identification: This product is not identified as a PBT/vPvB substance.

**12.6 – Other adverse effects**

Other adverse effects: Negligible ecotoxicity.

**13: Disposal considerations:****13.1 – Waste treatment methods**

NB: The user's attention is drawn to the possible existence of regional or national regulations regarding disposal.

**14: Transport Information:**

Transport class: This product does not require a classification for transport.

**15: Regulatory Information:****15.1 – Safety, health and environmental regulations/legislation specific for the substance or mixture**

Specific regulations: Not applicable.

**15.2 – Chemical Safety Assessment**

Chemical safety assessment: A chemical safety assessment has not been carried out for the substance or the mixture by the supplier.

**16: Other Information:**

This safety data sheet is prepared in accordance with Commission Regulation (EU) No 2015/830.

The information contained in this data sheet is, to the best of our knowledge, true and accurate, but any recommendations or suggestions which may be made are without guarantee, since the conditions of use are beyond our control. We do not accept any liability whatsoever, however arising, which results directly or indirectly from the use of the product.