

Dipropylene Glycol Safety Data Sheet

**1. Identification of the substance/preparation and of the company/undertaking**

*Identification of the product*

Product name: **Dipropylene Glycol (1,1-Oxydi-2-Propanol)**

*Manufacturer/supplier identification*

Company: Calmer Solutions Limited®  
Hadresham  
Woolborough Lane  
Outwood  
Surrey  
RH1 5QR.  
Telephone: +44 (0)1342 844658  
Telefax: +44 (0)1737 306065

Emergency Telephone No: Please contact your local NHS 111

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**2. Composition/information on main ingredients**

Main ingredients: Dipropylene Glycol

CAS No USA: 25265-71-8

EC Number:

EINECS No: 246-770-3

TSCA:

Concentration: 100%

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### **3. Hazards identification**

<b>Main hazards:</b>	Not considered to be a hazardous material
<b>Health effect - eyes:</b>	May be irritating to eyes
<b>Health effect - skin:</b>	May be irritating to skin
<b>Health effect - ingestion:</b>	Not expected to represent a significant ingestion hazard
<b>Health effect – inhalation:</b>	May be irritating if hot vapours are inhaled

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### **4. First aid measures**

<b>First aid - eyes:</b>	Cold water may be used.
<b>First aid - skin:</b>	Wash thoroughly with soap and water.
<b>First aid - ingestion:</b>	unconscious person. If large quantities of this material are swallowed, call a physician.
<b>First aid - inhalation:</b>	Remove from exposure, seek medical attention.
<b>Advice to physicians -</b>	Treat symptomatically

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### **5. Fire fighting measures**

<b>Suitable extinguishing media:</b>	Use carbon dioxide, foam or dry powder, avoid direct water jet
<b>Special hazards of product:</b>	Heat from the fire may cause flammable vapour.
<b>Protective equipment for fire fighting:</b>	If fire severe wear self contained breathing apparatus

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### **6. Accidental release measures**

<b>Personal protection:</b>	Wear appropriate protective clothing
<b>Environmental precautions:</b>	Remove all sources of ignition. Ensure proper ventilation. Contain spill and recover free product. Report spills to appropriate authorities if required.

**Spillage:** Soak up spillage with sand or other proprietary material. Transfer used material to a suitable waste container and dispose in accordance with local and national regulations.

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## **7. Handling and storage**

**Handling:** Maintain good occupational and personal hygiene.

**Storage:** Store in sealed containers protected from heat and sources of ignition.

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## **8. Exposure controls/personal protection**

**Respirator:** None generally required

**Hand protection:** PVC or rubber gloves

**Body protection:** Wear overalls. Always wash routinely before breaks, meals and at the end of the work period.

**Eye Protection:** Use goggles or face shield

**Engineering control measures:** Engineering methods to prevent or control exposure are preferred. Methods include personnel segregation, mechanical ventilators and control of process conditions.

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## **9. Physical and chemical properties**

**Form:** Liquid

**Colour:** Clear

**Odour:** No odour

**Boiling temperature:** 227°C

**Density (kg/m<sup>3</sup>):** 1.02g/cc

**Optical Rotation:**

**Flashpoint:** 337 °C

**Solubility in water:** Miscible @ 20 °C

**Explosion limits:** Not Explosive  
**Ignition temperature:** Not Flammable

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## **10. Stability and reactivity**

**Stability:** Stable under normal conditions

**Incompatibility:** Strong oxidising agents

**Hazardous Combustion & Decomposition:** Carbon monoxide and unidentified organic compounds may be formed during combustion. This product presents no significant reactivity hazard. It is stable and will not react violently with water. Hazardous polymerisation will not occur.

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## **11. Toxicological information**

**Acute toxicity:** LD50 (Oral) >5,000 mg/Kg

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## **12. Ecological information**

**Mobility:** 71.4 mN/m 1.01g/l @ 20 °C

**Bioaccumulation:** Not expected to bioaccumulate

**Exoticity:** No data

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## **13. Disposal considerations**

**Product disposal:** Dispose of in accordance with all applicable local and national regulations.

**Container disposal:** Labels should not be removed from containers until they have been cleaned. Contaminated containers should not be treated as household waste. Containers should be cleaned using appropriate methods and then re-used (re-cycled) or disposed of by landfill or incineration as appropriate.

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## **14. Transport information**

**Description:** Not dangerous goods

UN-No.: 2810 RID:  
Class: 3.3 Packing Group: III

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## **15. Regulatory information**

### *Labelling according to EC directives*

**R-phrases: (Risk)** None

**S-phrases: (Safety)** S62 If swallowed, do not induce vomiting: seek medical advice immediately and show this container or label

**Einecs Listing:** All components are either Einecs listed

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## **16. Other information**

The information and recommendations contained in this data sheet are believed to be accurate and represent the best information currently available to us. No warranty, guarantee or representation is made by Calmer Solutions Limited<sup>®</sup> as to the correctness or sufficiency of the information and recommendations in this data sheet, nor can it be assumed that all possible safety measures are contained in this data sheet or that additional measures may not be required under varying conditions and circumstances.

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**Please ensure that this Safety Data Sheet is passed to the appropriate person(s) in your company, who is (are) capable of acting on the information.**