SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1. Product identifier

Product form: Substance
Substance name: DIPROPYLENE GLYCOL
EC-No.: 246-770-3
CAS-No.: 25265-71-8
REACH registration No: 01-2119456811-38
Product code: DIPROPYLENE GLYCOL

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

1.2.1. Relevant identified uses
No additional information available

1.2.2. Uses advised against
No additional information available

1.3. Details of the supplier of product safety information sheet

INTERCHIMIE
ZAC du Parc
13 rue Louis Blériot
FR- 77290 COMPANS
T T: +33 (0)1 64 77 76 27
qualite@interchimie.fr - www.interchimie.fr

1.4. Emergency telephone number
No additional information available

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Classification according to Regulation (EC) No. 1272/2008 [CLP]
Not classified

Adverse physicochemical, human health and environmental effects
No additional information available

2.2. Label elements

Labelling according to Regulation (EC) No. 1272/2008 [CLP]
No labelling applicable

2.3. Other hazards

This substance/mixture does not meet the PBT criteria of REACH regulation, annex XIII
This substance/mixture does not meet the vPvB criteria of REACH regulation, annex XIII

SECTION 3: Composition/information on ingredients

3.1. Substances

CAS-No.: 25265-71-8
EC-No.: 246-770-3
**SECTION 4: First aid measures**

4.1. Description of first aid measures

First-aid measures general: This product is not considered to be hazardous.

First-aid measures after inhalation: Allow affected person to breathe fresh air. If you feel unwell, seek medical advice.

First-aid measures after skin contact: Wash with soapy water.

First-aid measures after eye contact: Rinse eyes with water as a precaution. Remove contact lenses, if present and easy to do. Continue rinsing. Consult an ophthalmologist if irritation persists.

First-aid measures after ingestion: Rinse mouth out with water. Give water to drink if victim completely conscious/alert. Get medical advice/attention if you feel unwell.

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

Symptoms/effects: Not expected to present a significant hazard under anticipated conditions of normal use.

Symptoms/effects after inhalation: May cause respiratory irritation. Headache.

Symptoms/effects after skin contact: Redness.

Symptoms/effects after eye contact: Redness, pain.

Symptoms/effects after ingestion: Large amounts: Ingestion may cause nausea and vomiting.

4.3. Indication of any immediate medical attention and special treatment needed

No additional information available

**SECTION 5: Firefighting measures**

5.1. Extinguishing media

Suitable extinguishing media: Carbon dioxide. Foam. Dry powder.

Unsuitable extinguishing media: Do not use a heavy water stream. Water.

5.2. Special hazards arising from the substance or mixture

Hazardous decomposition products in case of fire: Toxic fumes may be released. Carbon dioxide. Carbon monoxide.

5.3. Advice for firefighters

Protection during firefighting: Do not attempt to take action without suitable protective equipment.

Other information: Prevent fire fighting water from entering the environment.

**SECTION 6: Accidental release measures**

6.1. Personal precautions, protective equipment and emergency procedures

General measures: Spill area may be slippery. Evacuate area. No open flames. No smoking.

6.1.1. For non-emergency personnel

No additional information available

6.1.2. For emergency responders

No additional information available

6.2. Environmental precautions

Avoid release to the environment. Notify authorities if liquid enters sewers or public waters.
6.3. Methods and material for containment and cleaning up
Methods for cleaning up: Take up liquid spill into absorbent material.

6.4. Reference to other sections
For further information refer to section 8: "Exposure controls/personal protection". For disposal of solid materials or residues refer to section 13: "Disposal considerations".

SECTION 7: Handling and storage

7.1. Precautions for safe handling
Precautions for safe handling: This product is not considered to be hazardous. Provide the tank with earthing.
Hygiene measures: Always wash hands after handling the product.

7.2. Conditions for safe storage, including any incompatibilities
Storage conditions: Protect from moisture. Heat sources. Keep away from ignition sources.
Packaging materials: Do not use: Zinc.

7.3. Specific end use(s)
No additional information available

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

**DIPROPYLENE GLYCOL (25265-71-8)**

**DNEL/DMEL (Workers)**
- Long-term - systemic effects, dermal: 84 mg/kg bodyweight/day
- Long-term - systemic effects, inhalation: 238 mg/m³

**DNEL/DMEL (General population)**
- Long-term - systemic effects, oral: 24 mg/kg bodyweight/day
- Long-term - systemic effects, inhalation: 70 mg/m³
- Long-term - systemic effects, dermal: 51 mg/kg bodyweight/day

**PNEC (Water)**
- PNEC aqua (freshwater): 0.1 mg/l
- PNEC aqua (marine water): 0.01 mg/l
- PNEC aqua (intermittent, freshwater): 1 mg/l

**PNEC (Sediment)**
- PNEC sediment (freshwater): 0.138 mg/kg dwt
- PNEC sediment (marine water): 0.0238 mg/kg dwt

**PNEC (Soil)**
- PNEC soil: 0.0253 mg/kg dwt

**PNEC (Oral)**
- PNEC oral (secondary poisoning): 313 mg/kg food

**PNEC (STP)**
- PNEC sewage treatment plant: 1000 mg/l
8.2. Exposure controls

Hand protection:
Protective gloves made of rubber. Protective gloves made of PVC

Eye protection:
Safety glasses. EN 166

Skin and body protection:
Wear suitable protective clothing

Respiratory protection:
In case of insufficient ventilation, wear suitable respiratory equipment

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Physical state</td>
<td>Liquid</td>
</tr>
<tr>
<td>Appearance</td>
<td>Viscous liquid.</td>
</tr>
<tr>
<td>Colour</td>
<td>Colourless.</td>
</tr>
<tr>
<td>Odour</td>
<td>odourless, alcohol odour.</td>
</tr>
<tr>
<td>Odour threshold</td>
<td>No data available</td>
</tr>
<tr>
<td>pH</td>
<td>7 – 8.5</td>
</tr>
<tr>
<td>Relative evaporation rate (butylacetate=1)</td>
<td>No data available</td>
</tr>
<tr>
<td>Melting point</td>
<td>&lt; -20 °C</td>
</tr>
<tr>
<td>Freezing point</td>
<td>No data available</td>
</tr>
<tr>
<td>Boiling point</td>
<td>227 °C 938.6 hPa</td>
</tr>
<tr>
<td>Flash point</td>
<td>130 °C 988.8 hPa</td>
</tr>
<tr>
<td>Auto-ignition temperature</td>
<td>332 989.6 hPa; 1001.8 hPa</td>
</tr>
<tr>
<td>Decomposition temperature</td>
<td>No data available</td>
</tr>
<tr>
<td>Flammability (solid, gas)</td>
<td>No data available</td>
</tr>
<tr>
<td>Vapour pressure</td>
<td>0.013 hPa (25°C)</td>
</tr>
<tr>
<td>Relative density</td>
<td>No data available</td>
</tr>
<tr>
<td>Relative density of saturated gas/air mixture</td>
<td>4.6</td>
</tr>
<tr>
<td>Solubility</td>
<td>completely soluble.</td>
</tr>
<tr>
<td>Partition coefficient n-octanol/water (Log Pow)</td>
<td>No data available</td>
</tr>
<tr>
<td>Partition coefficient n-octanol/water (Log Kow)</td>
<td>-0.462 données d'essai; équivalent à OCDE 107; 21.7°C</td>
</tr>
<tr>
<td>Viscosity, kinematic</td>
<td>118 mm²/s (20°C)</td>
</tr>
<tr>
<td>Viscosity, dynamic</td>
<td>0.12 Pa·s (20°C)</td>
</tr>
<tr>
<td>Explosive properties</td>
<td>No dangerous reactions known.</td>
</tr>
<tr>
<td>Oxidising properties</td>
<td>No dangerous reactions known.</td>
</tr>
<tr>
<td>Explosive limits</td>
<td>No data available</td>
</tr>
</tbody>
</table>

9.2. Other information
No additional information available

SECTION 10: Stability and reactivity

10.1. Reactivity
The product is stable at normal handling and storage conditions.

10.2. Chemical stability
Hydroscopic.
10.3. Possibility of hazardous reactions
May react violently with oxidants.

10.4. Conditions to avoid
No additional information available

10.5. Incompatible materials
Strong oxidizing agents. Water.

10.6. Hazardous decomposition products

SECTION 11: Toxicological information

11.1. Information on toxicological effects

- Acute toxicity (oral): Not classified
- Acute toxicity (dermal): Not classified
- Acute toxicity (inhalation): Not classified

**DIPROPYLENE GLYCOL (25265-71-8)**

<table>
<thead>
<tr>
<th>Toxicity Type</th>
<th>Value</th>
<th>Reference</th>
</tr>
</thead>
<tbody>
<tr>
<td>LD50 oral rat</td>
<td>&gt; 5000 mg/kg equivalent OCDE 401</td>
<td></td>
</tr>
<tr>
<td>LD50 dermal rabbit</td>
<td>&gt; 5010 mg/kg equivalent OCDE 402</td>
<td></td>
</tr>
<tr>
<td>LC50 Inhalation - Rat</td>
<td>2.34 mg/kg equivalent OCDE 403</td>
<td></td>
</tr>
</tbody>
</table>

- Skin corrosion/irritation: May cause slight irritation to the skin. pH: 7 – 8.5
- Serious eye damage/irritation: Not classified. pH: 7 – 8.5
- Respiratory or skin sensitisation: Not classified
- Germ cell mutagenicity: Not classified
- Carcinogenicity: Not classified

**DIPROPYLENE GLYCOL (25265-71-8)**

<table>
<thead>
<tr>
<th>NOAEL (chronic, oral, animal/male, 2 years)</th>
<th>Value</th>
<th>Reference</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>2330 mg/kg bodyweight OCDE 453</td>
<td></td>
</tr>
</tbody>
</table>

Reproductive toxicity: Not classified

**DIPROPYLENE GLYCOL (25265-71-8)**

| NOAEL (animal/male, F0/P)          | 1200 mg/kg bodyweight 9 jours (équivalent OCDE 414) |
| NOAEL (animal/female, F0/P)        | 10100 mg/kg bodyweight NOAEL (P) 140 jours (équivalent OCDE 416) |

STOT-single exposure: Not classified

**DIPROPYLENE GLYCOL (25265-71-8)**

| NOAEL (oral, rat)                | 470 mg/kg bodyweight OCDE (105 semaines) |

STOT-repeated exposure: Not classified

Aspiration hazard: Not classified

**DIPROPYLENE GLYCOL (25265-71-8)**

Viscosity, kinematic: 118 mm²/s (20°C)
DIPROPYLENE GLYCOL
Product Safety Information Sheet
A safety data sheet is not required for this product under Article 31 of REACH. This Product Safety Information Sheet has been created on a voluntary basis

SECTION 12: Ecological information

12.1. Toxicity

Ecology - general : The product is not considered harmful to aquatic organisms nor to cause long-term adverse effects in the environment.
Hazardous to the aquatic environment, short-term (acute) : Not classified
Hazardous to the aquatic environment, long-term (chronic) : Not classified

DIPROPYLENE GLYCOL (25265-71-8)

LC50 fish 1 > 1000 mg/l 96h - Oryzias latipes
EC50 Daphnia 1 > 100 mg/l 48h
EC50 72h algae (1) > 100 mg/l 72h - OCDE 201 - Desmodesmus subspicatus
NOEC chronic algae > 100 mg/l 72h - OCDE 201 - Desmodesmus subspicatus

12.2. Persistence and degradability

DIPROPYLENE GLYCOL (25265-71-8)

Persistence and degradability Biodegradable.
Biodegradation 93.4 % 28 jours - OCDE 301F

12.3. Bioaccumulative potential

DIPROPYLENE GLYCOL (25265-71-8)

Partition coefficient n-octanol/water (Log Kow) -0.462 données d'essai; équivalent à OCDE 107; 21.7°C

12.4. Mobility in soil

DIPROPYLENE GLYCOL (25265-71-8)

Partition coefficient n-octanol/water (Log Koc) 0.78 valeur calculée

12.5. Results of PBT and vPvB assessment

DIPROPYLENE GLYCOL (25265-71-8)

This substance/mixture does not meet the PBT criteria of REACH regulation, annex XIII
This substance/mixture does not meet the vPvB criteria of REACH regulation, annex XIII

12.6. Other adverse effects

No additional information available

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Regional legislation (waste) : Disposal must be done according to official regulations.
European List of Waste (LoW) code : 07 01 04* - other organic solvents, washing liquids and mother liquors
: 15 01 10* - packaging containing residues of or contaminated by dangerous substances

SECTION 14: Transport information

In accordance with ADR / RID / IMDG / IATA / ADN
DIPROPYLENE GLYCOL
Product Safety Information Sheet
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<table>
<thead>
<tr>
<th>ADR</th>
<th>IMDG</th>
<th>IATA</th>
<th>ADN</th>
<th>RID</th>
</tr>
</thead>
<tbody>
<tr>
<td>14.1. UN number</td>
<td>Not regulated</td>
<td>Not regulated</td>
<td>Not regulated</td>
<td>Not regulated</td>
</tr>
<tr>
<td>14.2. UN proper shipping name</td>
<td>Not regulated</td>
<td>Not regulated</td>
<td>Not regulated</td>
<td>Not regulated</td>
</tr>
<tr>
<td>14.3. Transport hazard class(es)</td>
<td>Not regulated</td>
<td>Not regulated</td>
<td>Not regulated</td>
<td>Not regulated</td>
</tr>
<tr>
<td>14.4. Packing group</td>
<td>Not regulated</td>
<td>Not regulated</td>
<td>Not regulated</td>
<td>Not regulated</td>
</tr>
<tr>
<td>14.5. Environmental hazards</td>
<td>Not regulated</td>
<td>Not regulated</td>
<td>Not regulated</td>
<td>Not regulated</td>
</tr>
</tbody>
</table>

No supplementary information available

14.6. Special precautions for user

Overland transport
Not regulated

Transport by sea
Not regulated

Air transport
Not regulated

Inland waterway transport
Not regulated

Rail transport
Not regulated

14.7. Transport in bulk according to Annex II of Marpol and the IBC Code
Not applicable

SECTION 15: Regulatory information

15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

15.1.1. EU-Regulations
No REACH Annex XVII restrictions
DIPROPYLENE GLYCOL is not on the REACH Candidate List
DIPROPYLENE GLYCOL is not on the REACH Annex XIV List

15.1.2. National regulations

Germany
Water hazard class (WGK) : WGK 1, Slightly hazardous to water (Classification according to VwVwS, Annex 3; ID No. 3419)
Hazardous Incident Ordinance (12. BImSchV) : Is not subject of the Hazardous Incident Ordinance (12. BImSchV)

Netherlands
SZW-lijst van kankerverwekkende stoffen : The substance is not listed
SZW-lijst van mutagene stoffen : The substance is not listed
NIET-limitatieve lijst van voor de voortplanting giftige stoffen – Borstvoeding : The substance is not listed
NIET-limitatieve lijst van voor de voortplanting giftige stoffen – Vruchtbaarheid : The substance is not listed

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DIPROPYLENE GLYCOL
Product Safety Information Sheet
A safety data sheet is not required for this product under Article 31 of REACH. This Product Safety Information Sheet has been created on a voluntary basis

NIET-limitatieve lijst van voor de voortplanting : The substance is not listed
giftige stoffen – Ontwikkeling

15.2. Chemical safety assessment
A chemical safety assessment has been carried out

SECTION 16: Other information
A safety data sheet is not required for this product under Article 31 of REACH. This Product Safety Information Sheet has been created on a voluntary basis
Data sources: This MSDS has been established with data of MSDS coming from upstream suppliers.
SDS EU (REACH Annex II)