

**Safety data sheet**  
according to 1907/2006/EC, Article 31

Printing date 15.03.2024

Version number 1

Revision: 15.03.2024

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

- **1.1 Product identifier**
- **Trade name:** *Phenoxypropanol / PP*
- **Chemical Identification:** *Propyleneglycolphenylether*
- **Article number:** *572*
- **CAS Number:**  
*770-35-4*
- **EC number:**  
*212-222-7*
- **Registration number** *01-2119486566-23*
- **1.2 Relevant identified uses of the substance or mixture and uses advised against**  
*No further relevant information available.*
- **Application of the substance / the mixture** *Chemical.*
- **1.3 Details of the supplier of the safety data sheet**
- **Manufacturer/Supplier:**  
*Möller Chemie GmbH & Co. KG*  
*Bürgerkamp 1*  
*D-48565 Steinfurt*  
*Tel.: 02551/9340-0*  
*Fax: 02551/9340-60*
- **Further information obtainable from:** *Product safety department*
- **1.4 Emergency telephone number:**  
*Poison Control Center Mainz - 24 hour emergency service - Tel.: +49 (0) 6131/19240*

### SECTION 2: Hazards identification

- **2.1 Classification of the substance or mixture**
- **Classification according to Regulation (EC) No 1272/2008**



GHS07

*Eye Irrit. 2 H319 Causes serious eye irritation.*

- **2.2 Label elements**
- **Labelling according to Regulation (EC) No 1272/2008**  
*The substance is classified and labelled according to the CLP regulation.*
- **Hazard pictograms**



GHS07

- **Signal word** *Warning*
- **Hazard statements**  
*H319 Causes serious eye irritation.*
- **Precautionary statements**
  - P264 Wash thoroughly after handling.*
  - P280 Wear eye protection / face protection.*
  - P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.*
  - P337+P313 If eye irritation persists: Get medical advice/attention.*
- **2.3 Other hazards**  
*The product does not contain any substance above the legal limits included on the list for endocrine disrupting properties established under Article 59(1) of Regulation (EC) No 1907/2006 or under Commission Delegated Regulation (EU) 2017/2100 or of Commission Regulation (EU) 2018/605 has endocrine disrupting properties.*

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- **Results of PBT and vPvB assessment**
- **PBT:**  
The product does not contain any substances above legal limits that meet the criteria for PBT (persistent, bioaccumulative and toxic).
- **vPvB:**  
The product does not contain any substances above legal limits that meet the criteria for vPvB (very persistent and very bioaccumulative).

### SECTION 3: Composition/information on ingredients

- **3.1 Substances**
- **CAS No. Description**  
770-35-4 Phenoxypropanol / PP
- **Identification number(s)**
- **EC number:** 212-222-7

### SECTION 4: First aid measures

- **4.1 Description of first aid measures**
- **General information:** Remove contaminated clothing.
- **After inhalation:** Supply fresh air; consult doctor in case of complaints.
- **After skin contact:** Immediately wash with water and soap and rinse thoroughly.
- **After eye contact:**  
Rinse opened eye for several minutes under running water.  
Call a doctor immediately.
- **After swallowing:**  
Rinse out mouth and then drink plenty of water.  
Seek medical treatment.
- **4.2 Most important symptoms and effects, both acute and delayed** No further relevant information available.
- **4.3 Indication of any immediate medical attention and special treatment needed**  
No further relevant information available.

### SECTION 5: Firefighting measures

- **5.1 Extinguishing media**
- **Suitable extinguishing agents:** CO<sub>2</sub>, powder or water spray. Fight larger fire with alcohol resistant foam.
- **For safety reasons unsuitable extinguishing agents:** Water with full jet
- **5.2 Special hazards arising from the substance or mixture**  
In case of fire, the following can be released:  
Carbon monoxide  
carbon dioxide
- **5.3 Advice for firefighters**
- **Protective equipment:** Wear self-contained respiratory protective device.

### SECTION 6: Accidental release measures

- **6.1 Personal precautions, protective equipment and emergency procedures**  
Wear protective equipment. Keep unprotected persons away.
- **6.2 Environmental precautions:** Do not allow to enter sewers/ surface or ground water.
- **6.3 Methods and material for containment and cleaning up:**  
Absorb with liquid-binding material (sand, diatomaceous earth, acid binder, universal binder, sawdust).  
Dispose of the collected material in accordance with regulations.
- **6.4 Reference to other sections**  
See Section 7 for information on safe handling.  
See Section 8 for information on personal protection equipment.

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See Section 13 for disposal information.

### SECTION 7: Handling and storage

- **7.1 Precautions for safe handling**  
 Avoid contact with eyes and skin.  
 Prevent access of air / oxygen (peroxide formation).
- **Information about fire - and explosion protection:**  
 Protect against electrostatic charges.  
 Keep away from sources of ignition - No smoking.
- **7.2 Conditions for safe storage, including any incompatibilities**
- **Storage:**
- **Requirements to be met by storerooms and receptacles:**  
 Keep containers tightly closed in a dry place.  
 Store protected from frost.
- **Information about storage in one common storage facility:** See section 10.5
- **Further information about storage conditions:**  
 Keep container tightly sealed.  
 Storage temperature:  $\geq 15\text{ }^{\circ}\text{C}$   
 Do not store the product below the specified minimum temperature as crystallization should be avoided at all costs.
- **Storage class:** 10
- **7.3 Specific end use(s)** No further relevant information available.

### SECTION 8: Exposure controls/personal protection

- **8.1 Control parameters**
- **Ingredients with limit values that require monitoring at the workplace:** Not required.
- **DNELs**  
 worker:  
 Long-term exposure - systemic effects, dermal: 42 mg/kg  
 Long-term exposure - systemic effects, inhalative: 25,7 mg/m<sup>3</sup>  
 Consumer:  
 Long-term exposure - systemic effects, dermal: 21 mg/kg  
 Long-term exposure - systemic effects, inhalative: 12,7 mg/m<sup>3</sup>  
 Long-term exposure - systemic effects, oral: 3,65 mg/kg
- **PNECs**  
 Fresh water: 0.1 mg/l  
 Sea water: 0.01 mg/l  
 sporadic release: 1 mg/l  
 Sediment (fresh water): 0.38 mg/kg  
 Sediment (seawater): 0.038 mg/kg  
 Soil: 0.02 mg/kg  
 Sewage treatment plant: 10 mg/l
- **Additional information:** The lists valid during the making were used as basis.
- **8.2 Exposure controls**
- **Appropriate engineering controls** No further data; see section 7.
- **Individual protection measures, such as personal protective equipment**
- **General protective and hygienic measures:**  
 Keep away from food, drink and animal feed.  
 Take off contaminated, soaked clothing immediately.  
 Wash hands before breaks and at the end of work.  
 Avoid contact with eyes.  
 Avoid contact with eyes and skin.  
 Do not eat, drink, smoke or sniff while working.

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- **Respiratory protection:**  
Respiratory protection if ventilation is inadequate. Gas filter for organic gases/vapors (Boiling point > 65 °C, according to EN 141).
- **Hand protection**  
Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation
- **Material of gloves**  
Nitrile rubber, NBR  
Butyl rubber, BR  
The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer.
- **Penetration time of glove material**  
The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed.
- **Eye/face protection**



Tightly sealed goggles

- **Body protection:** Protective work clothing

### SECTION 9: Physical and chemical properties

- **9.1 Information on basic physical and chemical properties**
- **General Information**
- **Colour:** Colourless
- **Odour:** Mild
- **Odour threshold:** Not determined.
- **Melting point/freezing point:** 11 °C
- **Boiling point or initial boiling point and boiling range** 241.2 °C
- **Flammability** Not applicable.
- **Lower and upper explosion limit**
- **Lower:** 1.0 Vol %
- **Upper:** 6.4 Vol %
- **Flash point:** 115 °C
- **Auto-ignition temperature:** ~480 °C
- **Decomposition temperature:** Not determined.
- **pH (8 g/l) at 20 °C** 7
- **Viscosity:**
- **Kinematic viscosity** Not determined.
- **Dynamic at 20 °C:** 22.7 mPas
- **Solubility**
- **water at 20 °C:** 15.1 g/l
- **Partition coefficient n-octanol/water (log value) at 24.1 °C** 1.41 log POW
- **Vapour pressure at 20 °C:** 0.01 hPa
- **Density and/or relative density**
- **Density at 20 °C:** 1.06 g/cm<sup>3</sup>
- **Relative density** Not determined.
- **Vapour density** Not determined.

- **9.2 Other information**
- **Appearance:**
- **Form:** Fluid

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<ul style="list-style-type: none"> <li>· <b>Important information on protection of health and environment, and on safety.</b></li> <li>· <b>Explosive properties:</b> <span style="float: right;"><i>Product is not explosive. However, formation of explosive air/vapour mixtures are possible.</i></span></li> <li>· <b>Change in condition</b></li> <li>· <b>Evaporation rate</b> <span style="float: right;"><i>Not applicable.</i></span></li> </ul>	
<ul style="list-style-type: none"> <li>· <b>Information with regard to physical hazard classes</b></li> <li>· <b>Explosives</b> <span style="float: right;"><i>Void</i></span></li> <li>· <b>Flammable gases</b> <span style="float: right;"><i>Void</i></span></li> <li>· <b>Aerosols</b> <span style="float: right;"><i>Void</i></span></li> <li>· <b>Oxidising gases</b> <span style="float: right;"><i>Void</i></span></li> <li>· <b>Gases under pressure</b> <span style="float: right;"><i>Void</i></span></li> <li>· <b>Flammable liquids</b> <span style="float: right;"><i>Void</i></span></li> <li>· <b>Flammable solids</b> <span style="float: right;"><i>Void</i></span></li> <li>· <b>Self-reactive substances and mixtures</b> <span style="float: right;"><i>Void</i></span></li> <li>· <b>Pyrophoric liquids</b> <span style="float: right;"><i>Void</i></span></li> <li>· <b>Pyrophoric solids</b> <span style="float: right;"><i>Void</i></span></li> <li>· <b>Self-heating substances and mixtures</b> <span style="float: right;"><i>Void</i></span></li> <li>· <b>Substances and mixtures, which emit flammable gases in contact with water</b> <span style="float: right;"><i>Void</i></span></li> <li>· <b>Oxidising liquids</b> <span style="float: right;"><i>Void</i></span></li> <li>· <b>Oxidising solids</b> <span style="float: right;"><i>Void</i></span></li> <li>· <b>Organic peroxides</b> <span style="float: right;"><i>Void</i></span></li> <li>· <b>Corrosive to metals</b> <span style="float: right;"><i>Void</i></span></li> <li>· <b>Desensitised explosives</b> <span style="float: right;"><i>Void</i></span></li> </ul>	

### SECTION 10: Stability and reactivity

- **10.1 Reactivity** *With proper handling and storage, no dangerous reactions occur.*
- **10.2 Chemical stability**  
*The product is stable if the regulations / instructions for storage and handling are observed.*
- **Thermal decomposition / conditions to be avoided:** *No decomposition if used according to specifications.*
- **10.3 Possibility of hazardous reactions** *Possible formation of peroxide.*
- **10.4 Conditions to avoid**  
*heat*  
*Avoid exposure to air. Avoid moisture.*
- **10.5 Incompatible materials:**  
*Strong oxidizing agents*  
*Strong bases*  
*Strong acids*
- **10.6 Hazardous decomposition products:**  
*No hazardous decomposition products if stored and handled as prescribed/indicated become.*

### SECTION 11: Toxicological information

- **11.1 Information on hazard classes as defined in Regulation (EC) No 1272/2008**
- **Acute toxicity** *Based on available data, the classification criteria are not met.*

- **LD/LC50 values relevant for classification:**

Dermal	LD50	>2.000 mg/kg (rat)
Inhalative	LC50/ 4h	>5 mg/l (rat)

- **Skin corrosion/irritation** *Based on available data, the classification criteria are not met.*
- **Serious eye damage/irritation**  
*Causes serious eye irritation.*
- **Respiratory or skin sensitisation** *Based on available data, the classification criteria are not met.*

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- **Germ cell mutagenicity** Based on available data, the classification criteria are not met.
- **Carcinogenicity** Based on available data, the classification criteria are not met.
- **Reproductive toxicity** Based on available data, the classification criteria are not met.
- **STOT-single exposure** Based on available data, the classification criteria are not met.
- **STOT-repeated exposure** Based on available data, the classification criteria are not met.
- **Aspiration hazard** Based on available data, the classification criteria are not met.
- **11.2 Information on other hazards**
- **Endocrine disrupting properties** Substance is not listed.

### SECTION 12: Ecological information

- **12.1 Toxicity**
- **Aquatic toxicity:**  
LC50/96 h: 280 mg/l (*Pimephales promelas*)  
EC50/48 h: 370 mg/l (*Daphnia magna*)  
EC50/72 h > 100 mg/l (*Desmodesmus subspicatus*)
- **12.2 Persistence and degradability** Easily biodegradable
- **12.3 Bioaccumulative potential** No further relevant information available.
- **12.4 Mobility in soil** No further relevant information available.
- **12.5 Results of PBT and vPvB assessment**
- **PBT:** The product is not considered to be persistent, bioaccumulating nor toxic (PBT).
- **vPvB:** The product is not considered to be persistent or very bioaccumulative (vPvB).
- **12.6 Endocrine disrupting properties** For information on endocrine disrupting properties see section 11.
- **12.7 Other adverse effects**
- **Additional ecological information:**
- **General notes:**  
Water hazard class 1 (German Regulation) (Assessment by list): slightly hazardous for water  
Do not allow undiluted product or large quantities of it to reach ground water, water course or sewage system.

### SECTION 13: Disposal considerations

- **13.1 Waste treatment methods**
- **Recommendation** Disposal according to local regulations.
- **Uncleaned packaging:**
- **Recommendation:** Disposal must be made according to official regulations.

### SECTION 14: Transport information

- |   |                 |
|---|-----------------|
| · <b>14.1 UN number or ID number</b><br>· <b>ADR, ADN, IMDG, IATA</b>                       | Void            |
| · <b>14.2 UN proper shipping name</b><br>· <b>ADR, ADN, IMDG, IATA</b>                      | Void            |
| · <b>14.3 Transport hazard class(es)</b><br>· <b>ADR, ADN, IMDG, IATA</b><br>· <b>Class</b> | Void            |
| · <b>14.4 Packing group</b><br>· <b>ADR, IMDG, IATA</b>                                     | Void            |
| · <b>14.5 Environmental hazards:</b>  | Not applicable. |
| · <b>14.6 Special precautions for user</b>  | Not applicable. |

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- |   |                 |
|---|-----------------|
| · <b>14.7 Maritime transport in bulk according to IMO instruments</b> | Not applicable. |
| · <b>UN "Model Regulation":</b>                                       | Void            |

### SECTION 15: Regulatory information

- **15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture**
- **Directive 2012/18/EU**
- **Named dangerous substances - ANNEX I** Substance is not listed.
- **REGULATION (EC) No 1907/2006 ANNEX XVII** Conditions of restriction: 3
- **DIRECTIVE 2011/65/EU on the restriction of the use of certain hazardous substances in electrical and electronic equipment – Annex II**  
Substance is not listed.
- **REGULATION (EU) 2019/1148**
- **Annex I - RESTRICTED EXPLOSIVES PRECURSORS (Upper limit value for the purpose of licensing under Article 5(3))**  
Substance is not listed.
- **Annex II - REPORTABLE EXPLOSIVES PRECURSORS** Substance is not listed.
- **Regulation (EC) No 273/2004 on drug precursors** Substance is not listed.
- **Regulation (EC) No 111/2005 laying down rules for the monitoring of trade between the Community and third countries in drug precursors**  
Substance is not listed.
- **15.2 Chemical safety assessment:** A Chemical Safety Assessment has been carried out.

### SECTION 16: Other information

*This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.*

- **Department issuing SDS:** Product safety department
- **Contact:** Mrs. Steyer
- **Abbreviations and acronyms:**  
*ADR: Accord relatif au transport international des marchandises dangereuses par route (European Agreement Concerning the International Carriage of Dangerous Goods by Road)*  
*IMDG: International Maritime Code for Dangerous Goods*  
*IATA: International Air Transport Association*  
*GHS: Globally Harmonised System of Classification and Labelling of Chemicals*  
*EINECS: European Inventory of Existing Commercial Chemical Substances*  
*CAS: Chemical Abstracts Service (division of the American Chemical Society)*  
*DNEL: Derived No-Effect Level (REACH)*  
*PNEC: Predicted No-Effect Concentration (REACH)*  
*LC50: Lethal concentration, 50 percent*  
*LD50: Lethal dose, 50 percent*  
*PBT: Persistent, Bioaccumulative and Toxic*  
*vPvB: very Persistent and very Bioaccumulative*  
*Eye Irrit. 2: Serious eye damage/eye irritation – Category 2*

EU