

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

Printing date 22.02.2023

Version number 1

Revision: 22.02.2023

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

- **1.1 Product identifier**
- **Trade name:** *Neopentyl Glycol in flakes*
- **Chemical Identification:** *2,2-dimethylpropane-1,3-diol*
- **Article number:** *531*
- **CAS Number:**  
*126-30-7*
- **EC number:**  
*204-781-0*
- **Registration number** *01-2119480396-30*
- **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** *Intermediate.*
- **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**



GHS05 corrosion

*Eye Dam. 1 H318 Causes serious eye damage.*

- **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**



GHS05

- **Signal word** *Danger*
- **Hazard statements**  
*H318 Causes serious eye damage.*
- **Precautionary statements**  
*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.*  
*P310 Immediately call a POISON CENTER/doctor.*
- **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.*

(Contd. on page 2)

## Safety data sheet

### according to 1907/2006/EC, Article 31

Printing date 22.02.2023

Version number 1

Revision: 22.02.2023

**Trade name: Neopentyl Glycol in flakes**

(Contd. of page 1)

· **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**

126-30-7 2,2-dimethylpropane-1,3-diol

· **Identification number(s)**

· **EC number:** 204-781-0

· **Nanofom**

granulometry

fraction  $\mu\text{m}$

< 200  $\mu\text{m}$  97%

< 125  $\mu\text{m}$  57%

< 71  $\mu\text{m}$  16%

< 51  $\mu\text{m}$  9%

Median  $M = 120 \mu\text{m}$

### SECTION 4: First aid measures

· **4.1 Description of first aid measures**

· **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. Then consult a doctor.

· **After swallowing:**

Rinse out mouth and then drink plenty of water.

Get medical advice/attention.

· **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

Dust can form explosive mixtures in the air.

· **5.3 Advice for firefighters**

· **Protective equipment:** Wear self-contained respiratory protective device.

· **Additional information**

Collect contaminated fire fighting water separately. It must not enter the sewage system.

EU

(Contd. on page 3)

# Safety data sheet

## according to 1907/2006/EC, Article 31

Printing date 22.02.2023

Version number 1

Revision: 22.02.2023

Trade name: Neopentyl Glycol in flakes

(Contd. of page 2)

### SECTION 6: Accidental release measures

#### · 6.1 Personal precautions, protective equipment and emergency procedures

Avoid formation of dust.

Avoid contact with skin, eyes, clothing.

#### · 6.2 Environmental precautions: Do not allow to enter sewers/ surface or ground water.

#### · 6.3 Methods and material for containment and cleaning up: Pick up mechanically.

#### · 6.4 Reference to other sections

See Section 7 for information on safe handling.

See Section 8 for information on personal protection equipment.

See Section 13 for disposal information.

### SECTION 7: Handling and storage

#### · 7.1 Precautions for safe handling

Ensure good ventilation/exhaustion at the workplace.

Prevent formation of dust.

Avoid contact with eyes.

#### · Information about fire - and explosion protection: Protect against electrostatic charges.

#### · 7.2 Conditions for safe storage, including any incompatibilities

##### · Storage:

##### · Requirements to be met by storerooms and receptacles:

Keep container tightly closed Keep us in a cool, well-ventilated place.

Store only in the original receptacle.

##### · Information about storage in one common storage facility: Store away from oxidising agents.

##### · Further information about storage conditions:

This product is hygroscopic.

Keep container tightly sealed.

##### · Storage class: 13

#### · 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, inhalation: 35 mg/m<sup>3</sup>

Long-term exposure - systemic effects, dermal: 10 mg/kg

Consumer:

Long-term exposure - systemic effects, dermal: 5 mg/kg:

Long-term exposure - systemic effects, inhalation: 8.7 mg/m<sup>3</sup>

##### · PNECs

Fresh water: 5 mg/l

Sea water: 0.5 mg/l

sporadic release: 5 mg/l

Freshwater sediment: 18.5 mg/kg

Sediment seawater: 1.85 mg/kg

Soil: 0.764 mg/kg

#### · 8.2 Exposure controls

##### · Appropriate engineering controls No further data; see item 7.

##### · Individual protection measures, such as personal protective equipment

##### · General protective and hygienic measures:

The usual precautionary measures are to be adhered to when handling chemicals.

##### · Respiratory protection: Suitable respiratory protective device recommended.

(Contd. on page 4)

# Safety data sheet

## according to 1907/2006/EC, Article 31

Printing date 22.02.2023

Version number 1

Revision: 22.02.2023

Trade name: Neopentyl Glycol in flakes

(Contd. of page 3)

### · Hand protection



Protective gloves

The glove material has to be impermeable and resistant to the product/ the substance/ the preparation.

### · Material of gloves

Butyl rubber, BR

nitrile rubber

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

· Physical state

Solid

· Colour:

White

· Odour:

Sweetish

· Melting point/freezing point:

min. 124 °C

· Boiling point or initial boiling point and boiling range

210 °C

· Flammability

Product is not flammable.

· Lower and upper explosion limit

· Lower:

1.1 Vol %

· Upper:

11.4 Vol %

· Flash point:

103 °C

· Ignition temperature:

360 °C

· Solubility

· water at 20 °C:

830 g/l

· Density and/or relative density

· Density at 20 °C:

1.064 g/cm<sup>3</sup>

· Bulk density at 20 °C:

510-570 kg/m<sup>3</sup>

· Particle characteristics

See item 3.

### · 9.2 Other information

· Appearance:

· Form:

Flakes

· Important information on protection of health and environment, and on safety.

· Explosive properties:

Product does not present an explosion hazard.

### · Information with regard to physical hazard classes

· Explosives

Void

· Flammable gases

Void

· Aerosols

Void

· Oxidising gases

Void

· Gases under pressure

Void

(Contd. on page 5)

# Safety data sheet

## according to 1907/2006/EC, Article 31

Printing date 22.02.2023

Version number 1

Revision: 22.02.2023

Trade name: Neopentyl Glycol in flakes

(Contd. of page 4)

· <b>Flammable liquids</b>	Void
· <b>Flammable solids</b>	Void
· <b>Self-reactive substances and mixtures</b>	Void
· <b>Pyrophoric liquids</b>	Void
· <b>Pyrophoric solids</b>	Void
· <b>Self-heating substances and mixtures</b>	Void
· <b>Substances and mixtures, which emit flammable gases in contact with water</b>	Void
· <b>Oxidising liquids</b>	Void
· <b>Oxidising solids</b>	Void
· <b>Organic peroxides</b>	Void
· <b>Corrosive to metals</b>	Void
· <b>Desensitised explosives</b>	Void

### SECTION 10: Stability and reactivity

- **10.1 Reactivity** No decomposition if stored and used as directed.
- **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** Reacts with oxidising agents.
- **10.4 Conditions to avoid**  
avoid electrostatic charging  
Avoid moisture.  
High temperatures
- **10.5 Incompatible materials:** Strong oxidizing agents
- **10.6 Hazardous decomposition products:** No dangerous decomposition products known.

### 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.
- **Skin corrosion/irritation** Based on available data, the classification criteria are not met.
- **Serious eye damage/irritation**  
Causes serious eye damage.
- **Respiratory or skin sensitisation** Based on available data, the classification criteria are not met.
- **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:**  
EC50/48 h: > 500 mg/l, *Daphnia magna*  
EC50/72 h: > 500 mg/l, *Scenedesmus subspicatus*
- **12.2 Persistence and degradability** Easily biodegradable
- **12.3 Bioaccumulative potential** Does not accumulate in organisms
- **12.4 Mobility in soil** No further relevant information available.

(Contd. on page 6)

## Safety data sheet

according to 1907/2006/EC, Article 31

Printing date 22.02.2023

Version number 1

Revision: 22.02.2023

Trade name: Neopentyl Glycol in flakes

(Contd. of page 5)

- **12.5 Results of PBT and vPvB assessment**
- **PBT:** This substance is not considered to be persistent, bioaccumulating nor toxic (PBT).
- **vPvB:** This substance is not considered to be very persistent nor very bioaccumulative (vPvB).
- **12.6 Endocrine disrupting properties** For information on endocrine disrupting properties see section 11.
- **12.7 Other adverse effects**
- **Remark:** Harmless to fish up to the tested concentration
- **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.
- **Recommended cleansing agents:** Water, if necessary together with cleansing agents.

### 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. |
| · <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**  
No further relevant information available.
- **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

(Contd. on page 7)

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

Printing date 22.02.2023

Version number 1

Revision: 22.02.2023

**Trade name: Neopentyl Glycol in flakes**

(Contd. of page 6)

**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)*

*PBT: Persistent, Bioaccumulative and Toxic*

*vPvB: very Persistent and very Bioaccumulative*

*Eye Dam. 1: Serious eye damage/eye irritation – Category 1*

EU