

## Safety data sheet

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

Printing date 31.01.2022

Version number 110

Revision: 13.07.2021

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

##### - 1.1 Product identifier

- Trade name Propylenglykol HP techn.

- Article number: 1000009421000

- CAS Number:  
57-55-6

- EC number:  
200-338-0

- REACH-Registration number 01-2119456809-23

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

The substance is not classified as dangerous and/or is no subject to the requirement to produce a Chemical Safety Report under REACH, therefore no exposure scenarios are required for this safety data sheet.

##### - Sector of Use

SU3 Industrial uses: Uses of substances as such or in preparations at industrial sites

SU22 Professional uses: Public domain (administration, education, entertainment, services, craftsmen)

SU21 Consumer uses: Private households / general public / consumers

SU8 Manufacture of bulk, large scale chemicals (including petroleum products)

SU9 Manufacture of fine chemicals

SU10 Formulation [mixing] of preparations and/or re-packaging (excluding alloys)

##### - Product category

PC1 Adhesives, sealants

PC3 Air care products

PC9a Coatings and paints, thinners, paint removers

PC9b Fillers, putties, plasters, modelling clay

PC9c Finger paints

PC12 Fertilisers

PC16 Heat transfer fluids

PC17 Hydraulic fluids

PC18 Ink and toners

PC23 Leather treatment products

PC24 Lubricants, greases, release products

PC27 Plant protection products

PC28 Perfumes, fragrances

PC29 Pharmaceuticals

PC31 Polishes and wax blends

PC35 Washing and cleaning products (including solvent based products)

PC39 Cosmetics, personal care products

##### - Process category

PROC1 Chemical production or refinery in closed process without likelihood of exposure or processes with equivalent containment conditions.

PROC2 Chemical production or refinery in closed continuous process with occasional controlled exposure or processes with equivalent containment conditions

PROC3 Manufacture or formulation in the chemical industry in closed batch processes with occasional controlled exposure or processes with equivalent containment condition

PROC4 Chemical production where opportunity for exposure arises

PROC5 Mixing or blending in batch processes

PROC6 Calendering operations

PROC7 Industrial spraying

PROC8a Transfer of substance or mixture (charging and discharging) at non-dedicated facilities

PROC8b Transfer of substance or mixture (charging and discharging) at dedicated facilities

PROC9 Transfer of substance or mixture into small containers (dedicated filling line, including weighing)

PROC10 Roller application or brushing

PROC11 Non industrial spraying

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- PROC12 Use of blowing agents in manufacture of foam
- PROC13 Treatment of articles by dipping and pouring
- PROC14 Tableting, compression, extrusion, pelletisation, granulation
- PROC15 Use as laboratory reagent
- PROC19 Manual activities involving hand contact
- PROC20 Use of functional fluids in small devices
- PROC21 Low energy manipulation and handling of substances bound in/on materials or articles
- PROC23 Open processing and transfer operations at substantially elevated temperature

**- Environmental release category**

- ERC1 Manufacture of the substance
- ERC2 Formulation into mixture
- ERC3 Formulation into solid matrix
- ERC4 Use of non-reactive processing aid at industrial site (no inclusion into or onto article)
- ERC6c Use of monomer in polymerisation processes at industrial site (inclusion or not into/onto article)
- ERC6d Use of reactive process regulators in polymerisation processes at industrial site (inclusion or not into/onto article)
- ERC7 Use of functional fluid at industrial site
- ERC8a Widespread use of non-reactive processing aid (no inclusion into or onto article, indoor)
- ERC8b Widespread use of reactive processing aid (no inclusion into or onto article, indoor)
- ERC8d Widespread use of non-reactive processing aid (no inclusion into or onto article, outdoor)
- ERC8e Widespread use of reactive processing aid (no inclusion into or onto article, outdoor)
- ERC9a Widespread use of functional fluid (indoor)
- ERC9b Widespread use of functional fluid (outdoor)

**- Application of the substance / the mixture**

- Basic chemical (without special defined application)
- Industrial / Professional use

**- 1.3 Details of the supplier of the safety data sheet**

**- Manufacturer/Supplier:**

Staub & Co. - Silbermann GmbH  
 Ostendstraße 124  
 D-90482 Nürnberg  
 Tel.: 0911 / 5482 - 0  
 Fax: 0911-5482 -1119  
 Mail: info@staub-silbermann.de

**- Informing department:**

Abteilung HSE  
 e-Mail: sdb@staub-silbermann.de

**- 1.4 Emergency telephone number:**

This is an English-language document designed for the European region. For the emergency number and other country-specific data, please refer to the specific national versions of this safety data sheet.  
 Counselling Centre for Poisoning, Mainz  
 Tel. (+49) 61 31 / 19 240.

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## SECTION 2: Hazards identification

**- 2.1 Classification of the substance or mixture**

**- Classification according to Regulation (EC) No 1272/2008**

The substance is not classified, according to the CLP regulation.

**- 2.2 Label elements**

**- Labelling according to Regulation (EC) No 1272/2008 Void**

**- Hazard pictograms Void**

**- Signal word Void**

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- **Hazard statements** Void
  - **2.3 Other hazards**
  - **Results of PBT and vPvB assessment**
  - **PBT:** Not applicable.
  - **vPvB:** Not applicable.
- 

### SECTION 3: Composition/information on ingredients

- **3.1 Substances**
  - **CAS No. Designation:**  
57-55-6 Propylene glycol
  - **Identification no(s):**
  - **EC number:** 200-338-0
- 

### SECTION 4: First aid measures

- **4.1 Description of first aid measures**
  - **General advice:** Change contaminated clothing.
  - **After inhalation** Supply fresh air; consult doctor in case of symptoms.
  - **After skin contact**  
In general the product does not cause skin irritation.  
Wash with soap and water.
  - **After eye contact**  
Rinse immediately opened eye for several minutes under running water. Then consult doctor.
  - **After swallowing** Do not induce vomiting. Drink plenty of water. Call for medical help.
  - **Information for doctor**  
Symptomatic treatment (decontamination, vital functions), no specific antidote known.
  - **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.
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### SECTION 5: Firefighting measures

- **5.1 Extinguishing media**
  - **Suitable extinguishing agents**  
CO<sub>2</sub>, extinguishing powder or water jet. Fight larger fires with water jet or alcohol-resistant foam.
  - **5.2 Special hazards arising from the substance or mixture**  
Formation of explosive air/steam mixtures likely.  
Can be released in case of fire:  
carbon monoxide (CO)
  - **5.3 Advice for firefighters**
  - **Protective equipment:**  
See section 8.  
Adjust protective clothing to surrounding fire.
  - **Additional information**  
Endangered containers in the surrounding area should be cooled with a water-hose.
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#### SECTION 6: Accidental release measures

- **6.1 Personal precautions, protective equipment and emergency procedures**  
Wear protective equipment. Keep off unprotected persons
- **6.2 Environmental precautions:**  
Do not allow to enter drainage system, surface or ground water.  
Dilute with much water.  
If large amounts are released, the authorities must be informed.
- **6.3 Methods and material for containment and cleaning up:**  
Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).  
Dispose of contaminated material as waste according to item 13.
- **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 information on disposal.

#### SECTION 7: Handling and storage

- **7.1 Precautions for safe handling** Open and handle container with care.
- **Information about protection against explosions and fires:**  
Fumes can combine with air to form an explosive mixture.  
Keep ignition sources away - Do not smoke.
- **7.2 Conditions for safe storage, including any incompatibilities**
- **Storage** Store in cool, dry conditions in well sealed containers.
- **Requirements to be met by storerooms and containers:**  
A good ventilation/suction on the workplace or storage area to be ensured
- **Information about storage in one common storage facility:** Do not store with strong oxidizing agents.
- **Further information about storage conditions:** Store in cool, dry conditions in well sealed containers.
- **7.3 Specific end use(s)** No further relevant information available.

#### SECTION 8: Exposure controls/personal protection

- **8.1 Control parameters**
- **Additional information about design of technical systems:** No further data; see item 7.
- **Components with critical values that require monitoring at the workplace:** Not required.

##### - DNELs

Oral	DNEL (population)	85 mg/kg bw/day (Long-term, systemic effects)
Dermal	DNEL (population)	213 mg/cm <sup>2</sup> (Long-term, systemic effects)
Inhalative	DNEL (worker)	168 mg/m <sup>3</sup> (Long-term, systemic effects)
		10 mg/m <sup>3</sup> (Long-term - local effects)
	DNEL (population)	50 mg/m <sup>3</sup> (Long-term, systemic effects)

##### - PNECs

PNEC water	260 mg/l (freshwater)
	26 mg/l (Seawater)
PNEC	50 mg/kg dw (soil)
PNEC sediment	572 mg/kg dw (freshwater)
	57.2 mg/kg dw (Seawater)

- **Additional information:** The lists that were valid during the compilation were used as basis.

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**- 8.2 Exposure controls****- Personal protective equipment****- General protective and hygienic measures**

Keep away from food, beverages and fodder.

Instantly remove any soiled and impregnated garments.

Wash hands during breaks and at the end of the work.

Avoid contact with the eyes.

Gases, fumes and aerosols should not be inhaled.

**- Breathing equipment:** Short term filter device:**- Protection of hands:** Solvent resistant gloves**- Material of gloves**

Butyl rubber, BR

Nitrile rubber, NBR

Natural rubber, NR

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 protection:** Tightly sealed safety glasses.**- Body protection:** Light weight protective clothing

## SECTION 9: Physical and chemical properties

**- 9.1 Information on basic physical and chemical properties****- General Information****- Appearance:****Form:** Fluid**Colour:** Colourless**- Smell:** Odourless**- Odour threshold:** Not determined.**- pH-value:** 6-7**- Melting point/freezing point:** -59 °C**- Initial boiling point and boiling range:** 186-189 °C**- Flash point:** 103 °C (DIN 51758)**- Ignition temperature:** 410 °C (DIN 51794)**- Explosive properties:** Product is not explosive. However, formation of explosive air/steam mixtures is possible.**- Critical values for explosion:****Lower:** 2.6 Vol %**Upper:** 12.6 Vol %**- Vapour pressure:** 0.11 mbar**- Density at 20 °C** 1.036 g/cm<sup>3</sup>**- Solubility in / Miscibility with****Water:** Fully miscible**- Partition coefficient: n-octanol/water:** -0.92 log POW

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- <b>Viscosity:</b>	
dynamic at 20 °C:	55 mPas
kinematic:	Not determined.
- <b>9.2 Other information</b>	No further relevant information available.

### SECTION 10: Stability and reactivity

- **10.1 Reactivity** No further relevant information available.
- **10.2 Chemical stability**
- **Thermal decomposition / conditions to be avoided:**  
Can be distilled without decomposing at normal pressure
- **10.3 Possibility of hazardous reactions** Reacts with acids, alkalis and oxidizing agents
- **10.4 Conditions to avoid** No further relevant information available.
- **10.5 Incompatible materials:**  
strong oxidizing agents  
Strong acids
- **10.6 Hazardous decomposition products:**  
Formation of carbon monoxide and carbon dioxide in case of fire.

### SECTION 11: Toxicological information

- **11.1 Information on toxicological effects**
- **Acute toxicity** Based on available data, the classification criteria are not met.

#### - LD/LC50 values that are relevant for classification:

Oral	LD50	>22,000 mg/kg (rat)
Dermal	LD50	>2,000 mg/kg (rabbit)

- **Primary irritant effect:**
- **Skin corrosion/irritation** Based on available data, the classification criteria are not met.
- **Serious eye damage/irritation** Based on available data, the classification criteria are not met.
- **Respiratory or skin sensitisation** Based on available data, the classification criteria are not met.
- **Subacute to chronic toxicity:**

#### - STOT-repeated exposure:

Oral	NOAEL	1,700 mg/kg (rat)
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- **Additional toxicological information:**
- **CMR effects (carcinogenicity, mutagenicity and toxicity for reproduction)**
- **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.

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### SECTION 12: Ecological information

#### - 12.1 Toxicity

##### - Aquatic toxicity:

LC 50 / 96 h	40,613 mg/l (Oncorhynchus mykiss)
EC 50 / 48 h	18,800 mg/l (Mysidopsis bahia)
IC 50 / 72 h	24,200 mg/l (Selenastrum capricornutum)

- **12.2 Persistence and degradability** No further relevant information available.

- **12.3 Bioaccumulative potential** No bioaccumulation

- **12.4 Mobility in soil** No further relevant information available.

##### - Additional ecological information:

- **AOX-indication:** The product does not contain organically bounded halogens (AOX-free).

##### - General notes:

Do not allow to enter drainage system, surface or ground water

Water hazard class 1 (Assessment by list): slightly hazardous for water.

##### - 12.5 Results of PBT and vPvB assessment

- **PBT:** Not applicable.

- **vPvB:** Not applicable.

- **12.6 Other adverse effects** No further relevant information available.

### SECTION 13: Disposal considerations

#### - 13.1 Waste treatment methods

The following advice is related to new material and not to any processed products. In case of a mixture with other products other disposal methods may become necessary. If in doubt seek advice from product supplier or from local authorities.

- **Recommendation** If possible, send to be recycled, otherwise burn or deposit in a certified facility.

##### - Waste disposal key number:

Since 01/01/99 the waste code numbers have not only been product-related but are also essentially application-related. The valid waste code number of the application can be obtained from the European waste catalogue.

- **Uncleaned packagings:** Disposal must be made according to official regulations.

##### - Recommendation:

Rented packaging: After optimal emptying, close immediately and return to the supplier without cleaning.

Care should be taken that no other materials get into the packaging.

Other containers: After complete emptying and cleaning, send to be reconditioned or recycled.

### SECTION 14: Transport information

#### - 14.1 UN-Number

- ADR/RID, IMDG, IATA Void

#### - 14.2 UN proper shipping name

- ADR/RID, IMDG, IATA Void

#### - 14.3 Transport hazard class(es)

- ADR/RID, IMDG, IATA

- Class Void

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- 14.4 Packing group	Void
- ADR/RID, IMDG, IATA	Void
- 14.6 Special precautions for user	Not applicable.
- 14.7 Transport in bulk according to Annex II of Marpol and the IBC Code	Not applicable.
- Transport/Additional information:	Not dangerous according to the above specifications.
- UN "Model Regulation":	Void

### SECTION 15: Regulatory information

- 15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture
- Labelling according to Regulation (EC) No 1272/2008 Void
- Hazard pictograms Void
- Signal word Void
- Hazard statements Void
- Directive 2012/18/EU
- Named dangerous substances - ANNEX I Substance is not listed.
- 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
- 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.
- National regulations
- Information about limitation of use:
- VOC: 100 volatile organic compounds (Council Directive 2010/75/EC).
- Other regulations, limitations and prohibitive regulations
- Substances of very high concern (SVHC) according to REACH, Article 57 Substance is not listed.
- 15.2 Chemical safety assessment: A Chemical Safety Assessment has not been carried out.

### SECTION 16: Other information

These data are based on our present knowledge. However, they shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

- UFI market placements:  
Germany, Bulgaria, Denmark, ESE, Finland, France, Greece, Ireland, ISE, Croatia, Lithuania, Malta, Netherland, Norway, Germany, Poland, Portugal, Romania, Sweden, Slovakia, Slovenia, Spain, Cyprus
- Department issuing data specification sheet:  
Stockmeier Chemie GmbH & Co.KG  
Am Stadtholz 37  
D - 3 3 6 0 9 B i e l e f e l d
- Tel.: +49 521 3037-381  
E-Mail: ehs-bielefeld@stockmeier.de

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**- Abbreviations and acronyms:**

NOAEL: No Observed Adverse Effect Level

RPE: Respiratory Protective Equipment

RCR: Risk Characterisation Ratio (RCR= PEC/PNEC)

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 Harmonized System of Classification and Labelling of Chemicals

CLP: Classification, Labelling and Packaging (Regulation (EC) No. 1272/2008)

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

SVHC: Substances of Very High Concern

vPvB: very Persistent and very Bioaccumulative

**- \* Data compared to the previous version altered.**

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