

Safety data sheet

according to 1907/2006/EC, Article 31

Printing date 20.03.2023

Version number 6 (replaces version 5)

Revision: 20.03.2023

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

- **1.1 Product identifier**
- **Trade name:** MERPOXEN HRO 400/90 PG
- **Article number:** 531235
- **Registration number**
The product is a polymer and therefore exempted from registration obligation under REACH (EU).
- **1.2 Relevant identified uses of the substance or mixture and uses advised against .**
- **Application of the substance / the mixture** Emulsifier
- **Uses advised against** No further relevant information available.
- **1.3 Details of the supplier of the safety data sheet**
- **Manufacturer/Supplier:**
Wall Chemie GmbH
Am Selder 25
D-47906 KEMPEN
DEUTSCHLAND
Tel.: +49 2152 8999 0
E-Mail: sicherheit@wall-chemie.com
- **Further information obtainable from:** Safety and health group
- **1.4 Emergency telephone number:**
This number is serviced during office hours: +49 2152 8999 0
Giftinformationszentrum Nord 24h-information: +49 551 19240

SECTION 2: Hazards identification

- **2.1 Classification of the substance or mixture**
This Product is classified as not dangerous for the purpose of the relevant directives and therefore does not require labelling. Nevertheless we recommend to be careful with the material as you used to be with other chemicals.
- **Classification according to Regulation (EC) No 1272/2008**
The product 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
- **(Hazard-determining) components of labelling:**
Hydrogenated castor oil ethoxylate
propylene glycol
- **Hazard statements** Void
- **2.3 Other hazards**
- **Results of PBT and vPvB assessment**
- **PBT:** Not applicable.
- **vPvB:** Not applicable.
- **Determination of endocrine-disrupting properties**
For information on endocrine disrupting properties see section 11.

SECTION 3: Composition/information on ingredients

- **3.1 Mixtures**
- **Description:** Mixture: consisting of the following components.

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· (Dangerous) components:

CAS: 61788-85-0 Polymer	Hydrogenated castor oil ethoxylate	50-100%
CAS: 57-55-6 EINECS: 200-338-0 Reg.nr.: 01-2119456809-23	propylene glycol	≤10%

· Additional information:

Polymers are exempted from registration obligation under REACH (EU).
For the wording of the listed hazard phrases refer to section 16.

SECTION 4: First aid measures

· 4.1 Description of first aid measures

- **General information:** No special measures required.
- **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.
- **After swallowing:**
Seek medical treatment.
Rinse mouth.
Do not induce vomiting.

· 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

Risk of aspiration.

SECTION 5: Firefighting measures

· 5.1 Extinguishing media
· Suitable extinguishing agents:

CO₂, powder or water spray. Fight larger fires with water spray or 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:

Organic decomposition products

Carbon oxides (CO_x)

· 5.3 Advice for firefighters

- **Protective equipment:** Use suitable breathing apparatus if necessary.

SECTION 6: Accidental release measures

· 6.1 Personal precautions, protective equipment and emergency procedures

Wear protective equipment. Keep unprotected persons away.

Particular danger of slipping on leaked/spilled product.

Avoid contact with the eyes and skin.

· 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, diatomite, acid binders, universal binders, sawdust).

· 6.4 Reference to other sections

No dangerous substances are released.

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.

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SECTION 7: Handling and storage

7.1 Precautions for safe handling

- No special measures required.
- Open and handle receptacle with care.
- Wear protective clothing.
- Do not eat, drink or smoke in working area.

Information about fire - and explosion protection: No special measures required.

7.2 Conditions for safe storage, including any incompatibilities
Storage:

- Requirements to be met by storerooms and receptacles:** Store only in the original receptacle.
- Information about storage in one common storage facility:** Not required.
- Further information about storage conditions:** None.
- Storage class:** Combustible liquid.

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:
DNELs
57-55-6 propylene glycol

Oral	DNEL (Long-term, systemic effects)	85 mg/kg/d (consumer)
Dermal	DNEL (Long-term, systemic effects)	213 mg/kg/d (consumer)
Inhalative	DNEL (Long-term, systemic effects)	168 mg/m ³ (worker)
		50 mg/m ³ (consumer)
	DNEL (Long-term, local effects)	10 mg/m ³ (worker)
		10 mg/m ³ (consumer)

PNECs
57-55-6 propylene glycol

PNEC	260 mg/l (fresh water)
	26 mg/l (seawater)
	183 mg/l (water (intermittent release))
	20,000 mg/l (wastewater treatment plant)
PNEC	572 mg/kg (Sediment (Süßwasser))
	57.2 mg/kg (sediment)
	50 mg/kg (soil)

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

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:**
 - Do not eat, drink, smoke or sniff while working.
 - The recommended specification of the protective clothing articles is to be chosen according to the duration of the exposition, the concentration and the amount of the dangerous substances at the working environment. Seek advice of the suppliers.
- Respiratory protection:** Not required.

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· Hand protection


Protective gloves

· Material of gloves

e.g. Nitrile rubber, NBR

 Recommended thickness of the material: ≥ 0.5 mm

· Penetration time of glove material

Minimum breakthrough time : > 120 min (Permeation according to EN 374 Part 3: level 4)

· Eye/face protection


Tightly sealed goggles (EN 166).

· Body protection: Protective work clothing

SECTION 9: Physical and chemical properties

· 9.1 Information on basic physical and chemical properties
· General Information
· Physical state

Fluid

· Colour:

Yellow

· Odour:

Characteristic

· Odour threshold:

Not determined.

· Melting point/freezing point:

Undetermined.

· Boiling point or initial boiling point and boiling range

Undetermined.

· Flammability

The substance is capable of catching fire or being set on fire.

· Lower and upper explosion limit
· Lower:

Not determined.

· Upper:

Not determined.

· Flash point:

>100 °C

· Decomposition temperature:

Not determined.

· pH (10 g/l) at 20 °C

6.0 - 7.5

· Viscosity:
· Kinematic viscosity

Not determined.

· Dynamic:

500 mPas (50 °C)

· Solubility
· water:

Soluble.

· Partition coefficient n-octanol/water (log value)

Product is an emulsifier.

· Vapour pressure:

Not determined.

· Density and/or relative density
· Density:

 1.032 g/cm³(50°C)

· Relative density

Not determined.

· Vapour density

Not determined.

· 9.2 Other information
· Appearance:
· Form:

Viscous

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|--|---|
| · Important information on protection of health and environment, and on safety. | |
| · Auto-ignition temperature: | Product is not selfigniting. |
| · Explosive properties: | Product does not present an explosion hazard. |
| · Change in condition | |
| · Evaporation rate | Not determined. |
| · Information with regard to physical hazard classes | |
| · Explosives | Void |
| · Flammable gases | Void |
| · Aerosols | Void |
| · Oxidising gases | Void |
| · Gases under pressure | Void |
| · Flammable liquids | Void |
| · Flammable solids | Void |
| · Self-reactive substances and mixtures | Void |
| · Pyrophoric liquids | Void |
| · Pyrophoric solids | Void |
| · Self-heating substances and mixtures | Void |
| · Substances and mixtures, which emit flammable gases in contact with water | Void |
| · Oxidising liquids | Void |
| · Oxidising solids | Void |
| · Organic peroxides | Void |
| · Corrosive to metals | Void |
| · Desensitised explosives | Void |

SECTION 10: Stability and reactivity

- **10.1 Reactivity** Product is stable under normal ambient conditions.
- **10.2 Chemical stability**
- **Thermal decomposition / conditions to be avoided:**
No decomposition if used according to specifications.
- **10.3 Possibility of hazardous reactions** No dangerous reactions known.
- **10.4 Conditions to avoid** No further relevant information available.
- **10.5 Incompatible materials:** No further relevant information available.
- **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.
- **LD/LC50 values relevant for classification:**
Literature

Oral	LD50	>2,000 mg/kg (rat) (OECD401)
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- **Skin corrosion/irritation**
OECD 404
rabbit
Literature
No irritating effect.
- **Serious eye damage/irritation**
OECD 405
rabbit

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Literature

No irritating effect.

- **Respiratory or skin sensitisation**

OECD 406

No sensitising effects known.

- **Germ cell mutagenicity** no data

- **Carcinogenicity** no data

- **Reproductive toxicity** no data

- **STOT-single exposure** no data

- **STOT-repeated exposure** no data

- **Aspiration hazard** no data

- **11.2 Information on other hazards**

- **Endocrine disrupting properties**

None of the ingredients is listed.

- **Other information** No further relevant information available.

SECTION 12: Ecological information

- **12.1 Toxicity**

- **Aquatic toxicity:**

Literature

This statement was deduced from products with a similar structure or composition.

LC50	183 mg/l (fish) (OECD203)
------	---------------------------

- **12.2 Persistence and degradability**

These surfactants comply with the biodegradability criteria as laid down in Regulation (EC) No. 648/2004 on detergents. Data to support this assertion are held at the disposal of the competent authorities of the Member States and will be made available to them, at their direct request or at the request of a detergent manufacturer.

readily biodegradable

Degradation rate 70% Time (d) 28 days Method OECD 301E

- **Other information:**

This statement was deduced from products with a similar structure or composition.

- **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:** Not applicable.

- **vPvB:** Not applicable.

- **12.6 Endocrine disrupting properties**

The product does not contain substances with endocrine disrupting properties.

- **12.7 Other adverse effects**

- **Additional ecological information:**

- **General notes:**

Water hazard class 1 (German Regulation) (Self-assessment): 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**

Can be burned with household garbage after consulting with the waste disposal facility operator and the pertinent authorities and adhering to the necessary technical regulations.

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- **Waste disposal key:**
Determine wastes code in compliance with local waste management company according the European Waste Catalogue (EWC).
- **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

- | | |
|---|-----------------|
| · 14.1 UN number or ID number
· ADR, ADN, IMDG, IATA | Void |
| · 14.2 UN proper shipping name
· ADR, ADN, IMDG, IATA | Void |
| · 14.3 Transport hazard class(es)
· ADR, ADN, IMDG, IATA
· Class | Void |
| · 14.4 Packing group
· ADR, IMDG, IATA | Void |
| · 14.5 Environmental hazards:
· Marine pollutant: | No |
| · 14.6 Special precautions for user | Not applicable. |
| · 14.7 Maritime transport in bulk according to IMO instruments | Not applicable. |
| · UN "Model Regulation": | Void |

SECTION 15: Regulatory information

- **15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture**
No further relevant information available.

- **DIRECTIVE 2011/65/EU on the restriction of the use of certain hazardous substances in electrical and electronic equipment – Annex II**

None of the ingredients is listed.

- **REGULATION (EU) 2019/1148**

- **Annex I - RESTRICTED EXPLOSIVES PRECURSORS (Upper limit value for the purpose of licensing under Article 5(3))**

None of the ingredients is listed.

- **Annex II - REPORTABLE EXPLOSIVES PRECURSORS**

None of the ingredients is listed.

- **Regulation (EC) No 273/2004 on drug precursors**

None of the ingredients is listed.

- **Regulation (EC) No 111/2005 laying down rules for the monitoring of trade between the Community and third countries in drug precursors**

None of the ingredients is listed.

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- **15.2 Chemical safety assessment:** A Chemical Safety Assessment has not 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:** Safety and Health group

- **Contact:** Dr. Astrid Kawka, Birgit Fielers

- **Date of previous version:** 04.01.2023

- **Version number of previous version:** 5

- **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

ELINCS: European List of Notified 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

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