

Safety Data Sheet according to Regulation (EC) No 1907/2006

POLY SEAL (food grade)
Revision date: 05.04.2022

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1. Identification of the substance/mixture and of the company/undertaking

1.1 Product identifier

POLY SEAL (food grade)

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

Relevant identified uses

multifunction oil

1.3 Details of the supplier of the safety data sheet

Company name: **Gerd Eisenblätter GmbH**
Street: Jeschkenstraße 12d
Place D – 82538 Geretsried
Telephone: +49 8171 9082 020
e-mail: info@eisenblaetter.de

1.4 Emergency telephone number

Telephone: +49 8171 9082 020

2. Hazards identification

2.1 Classification of the substance or mixture

Classification according to Regulation (EC) No 1272/2008 [CLP]
Asp. Tox. 1 ; H304 - Aspiration hazard : Category 1 ; May be fatal if swallowed and enters airways.

2.2 Label elements

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

Special rules for supplemental label elements for certain mixtures

Hazard pictograms



Health hazard (GHS08)

Signal word

Danger

Hazard components for labelling

Hydrocarbons, C13-C16, n-alkanes, isoalkanes < 0,03% aromatics ; CAS No. : 1174522-45-2
Hydrocarbons, C12-C15, n-alkanes, isoalkanes < 2% aromatics

Hazard statements

H304 May be fatal if swallowed and enters airways.

Precautionary statements

P301+P310 IF SWALLOWED: Immediately call a POISON CENTER/doctor/....

P331 Do NOT induce vomiting.

P405 Store locked up.

Additional information

None

2.3 Other hazards

None

3. Composition/information on ingredients

3.2 Mixtures

Hazardous ingredients

Hydrocarbons, C12-C15, n-alkanes, isoalkanes < 2% aromatics ; REACH No. : 01-2119453414-43-XXXX ;
EC No. : 920-107-4
Weight fraction : $\geq 30 - < 70$ %
Classification 1272/2008 [CLP] : Asp. Tox. 1 ; H304

Hydrocarbons, C13-C16, n-alkanes, isoalkanes < 0,03% aromatics ; REACH No. : 01-2119826592-36-XXXX ;
EC No. : 934-
954-2; CAS No. : 1174522-45-2
Weight fraction : $\geq 30 - < 70$ %
Classification 1272/2008 [CLP] : Asp. Tox. 1 ; H304

Additional information

Full text of H- and EUH-phrases: see section 16.

4. First aid measures

4.1 Description of first aid measures

General information

When in doubt or if symptoms are observed, get medical advice. Never give anything by mouth to an unconscious person or a person with cramps. Remove contaminated, saturated clothing immediately.

Following inhalation

In case of respiratory tract irritation, consult a physician. Remove casualty to fresh air and keep warm and at rest.

In case of skin contact

After contact with skin, wash immediately with plenty of water and soap. Rub greasy ointment into the skin.

After eye contact

In case of contact with eyes flush immediately with plenty of flowing water for 10 to 15 minutes holding eyelids apart and consult an ophthalmologist. Protect uninjured eye.

After ingestion

Rinse mouth thoroughly with water. Let 1 glass of water be drunken in little sips (dilution effect). Do NOT induce vomiting. Call a physician immediately.

Self-protection of the first aider

First aider: Pay attention to self-protection!

4.2 Most important symptoms and effects, both acute and delayed

May be fatal if swallowed and enters airways.

4.3 Indication of any immediate medical attention and special treatment needed

None.

5. Firefighting measures

5.1 Extinguishing media

Water Foam Extinguishing powder Carbon dioxide (CO₂) Sand Nitrogen Extinguishing blanket

Unsuitable extinguishing media

Full water jet

5.2 Special hazards arising from the substance or mixture

Hazardous combustion products

In case of fire may be liberated: Carbon monoxide , Carbon dioxide (CO₂)

5.3 Advice for firefighters

Use water spray jet to protect personnel and to cool endangered containers. Apply foam in abundant quantities since some of it gets destroyed by the product. Collect contaminated fire extinguishing water separately. This must not be discharged into drains.

Special protective equipment for firefighters

Wear a self-contained breathing apparatus and chemical protective clothing.

6. Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

Use personal protection equipment. Remove all sources of ignition. Provide adequate ventilation.

6.2 Environmental precautions

Do not allow to enter into soil/subsoil. Do not allow to enter into surface water or drains. Cover drains.

6.3 Methods and material for containment and cleaning up

Absorb with liquid-binding material (e.g. sand, diatomaceous earth, acid- or universal binding agents). Collect in closed and suitable containers for disposal.

6.4 Reference to other sections

Safe handling: see section 7

Personal protection equipment: see section 8

Disposal: see section 13

7. Handling and storage

7.1 Precautions for safe handling

Keep away from sources of heat (e.g. hot surfaces), sparks and open flames. Keep container tightly closed. Provide adequate ventilation as well as local exhaust at critical locations.

7.2 Conditions for safe storage, including any incompatibilities

Ensure adequate ventilation of the storage area. Keep container tightly closed in a cool, well-ventilated place.

Hints on joint storage

Storage class (TRGS 510) : 10

Keep away from

Keep away from sources of ignition - No smoking. Take precautionary measures against static discharges.

8. Exposure controls/personal protection

8.1 Control parameters

None

8.2 Exposure controls

Personal protection equipment

Eye/face protection



Wear suitable safety goggles in case of splash.

Suitable eye protection

EN 166.

Skin protection

Hand protection



Suitable gloves type : EN 374.

Suitable material : Butyl caoutchouc (butyl rubber)

Breakthrough time (maximum wearing time) : 480 min.

Thickness of the glove material : 0.3 mm.

Remark : The quality of the protective gloves resistant to chemicals must be chosen as a function of the specific working place concentration and quantity of hazardous substances. For special purposes, it is recommended to check the resistance to chemicals of the protective gloves mentioned above together with the supplier of these gloves.

Respiratory protection



Respiratory protection necessary at: exceeding exposure limit values

Suitable respiratory protection apparatus

Combination filtering device (EN 14387)

General information

When using do not eat, drink, smoke, sniff. Avoid contact with skin, eyes and clothes. Remove contaminated, saturated

clothing immediately. Do not put any product-impregnated cleaning rags into your trouser pockets.

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9. Physical and chemical properties

9.1 Information on basic physical and chemical properties

Appearance

Physical state : Liquid

Colour : colourless

Odour
characteristic

Safety characteristics

Solidifying point : (1013 hPa) < -20 °C

Flash point : 102 °C

Auto-ignition temperature : > 200 °C

Lower explosion limit : 0,6 Vol-%

Upper explosion limit : 6,5 Vol-%

Density : (20 °C) approx. 0,817 g/cm³

pH : not applicable

Cinematic viscosity : (40 °C) 2,4 mm²/s

Maximum VOC content (EC) : 0 Wt %

Maximum VOC content (Switzerland): 0 Wt %

9.2 Other information

Solid content: not determined

10. Stability and reactivity

10.1 Reactivity

Violent reaction with: Oxidising agent, strong. Formation of: Peroxides.

10.2 Chemical stability

The mixture is chemically stable under recommended conditions of storage, use and temperature.

10.3 Possibility of hazardous reactions

No information available.

10.4 Conditions to avoid

Avoid: prolonged exposure to extreme heat

10.5 Incompatible materials

No information available.

10.6 Hazardous decomposition products

Does not decompose when used for intended uses.

Decomposition products in case of fire: see section 5.

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11. Toxicological information

11.1 Information on toxicological effects

Acute toxicity

Acute oral toxicity

Parameter : ATEmix calculated
Exposure route : Oral
Effective dose : > 2000 mg/kg

Acute dermal toxicity

Parameter : ATEmix calculated
Exposure route : Dermal
Effective dose : > 2000 mg/kg

Acute inhalation toxicity

Parameter : ATEmix calculated
Exposure route : Inhalation
Effective dose : > 20 mg/m³

Corrosion

Skin corrosion/irritation

No further relevant information available.

Serious eye damage/eye irritation

No further relevant information available.

Respiratory or skin sensitisation

Skin sensitisation

No further relevant information available.

Sensitisation to the respiratory tract

No further relevant information available.

CMR effects (carcinogenicity, mutagenicity and toxicity for reproduction)

Carcinogenicity

No further relevant information available.

Germ cell mutagenicity

No further relevant information available.

Reproductive toxicity

No further relevant information available.

STOT-single exposure

No further relevant information available.

STOT-repeated exposure

No further relevant information available.

Aspiration hazard

May be fatal if swallowed and enters airways.

11.2 Information on other hazards

Toxicokinetics, metabolism and distribution

There are no data available on the preparation/mixture itself.

Other adverse effects

Frequently or prolonged contact with skin may cause dermal irritation. Do not breathe gas/fumes/vapour/spray.

Additional information

Preparation not tested. The statement is derived from the properties of the single components.

12. Ecological information

12.1 Toxicity

Aquatic toxicity

Acute (short-term) fish toxicity

Parameter : LL50 (Hydrocarbons, C12-C15, n-alkanes, isoalkanes < 2% aromatics)

Species : Oncorhynchus mykiss (Rainbow trout)

Effective dose : > 1000 mg/l

Exposure time : 96 h

Method : OECD 203

Parameter : LL50 (Hydrocarbons, C13-C16, n-alkanes, isoalkanes < 0,03% aromatics ;

CAS No. : 1174522-45-2)

Species : Oncorhynchus mykiss (Rainbow trout)

Effective dose : > 1000 mg/l

Exposure time : 96 h

Method : OECD 203

Acute (short-term) toxicity to crustacea

Parameter : EL50 (Hydrocarbons, C12-C15, n-alkanes, isoalkanes < 2% aromatics)

Species : Daphnia magna (Big water flea)

Effective dose : > 1000 mg/l

Exposure time : 48 h

Method : OECD 202

Parameter : EL50 (Hydrocarbons, C13-C16, n-alkanes, isoalkanes < 0,03% aromatics ;

CAS No. : 1174522-45-2)

Species : Daphnia magna (Big water flea)

Effective dose : > 1000 mg/l

Exposure time : 48 h

Method : OECD 202

12.2 Persistence and degradability

Biodegradation

Parameter : BOD (% of ThOD) (Hydrocarbons, C12-C15, n-alkanes, isoalkanes < 2% aromatics)

Inoculum : Biodegradation

Evaluation parameter : Aerobic

Degradation rate : 71 %

Test duration : 28 D

Evaluation : Readily biodegradable (according to OECD criteria).

Method : OECD 301F

Parameter : BOD (% of ThOD) (Hydrocarbons, C13-C16, n-alkanes, isoalkanes < 0,03% aromatics; CAS No. : 1174522-45-2)

Inoculum : Biodegradation

Evaluation parameter : Aerobic

Degradation rate : 74 %

Test duration : 28 D

Evaluation : Readily biodegradable (according to OECD criteria).

Method : OECD 306

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12.3 Bioaccumulative potential

No indication of bioaccumulation potential.

12.4 Mobility in soil

No information available.

12.5 Results of PBT and vPvB assessment

The substances in the mixture do not meet the PBT/vPvB criteria according to REACH, annex XIII.

12.6 Other adverse effects

No information available.

Further information

No special environmental measures are necessary.

13. Disposal considerations

13.1 Waste treatment methods

Directive 2008/98/EC (Waste Framework Directive)

Before intended use

Waste codes/waste designations according to EWC/AVV

13 02 05* - mineral-based non-chlorinated engine, gear and lubricating oils.

14. Transport information

14.1 UN number

No dangerous good in sense of these transport regulations.

14.2 UN proper shipping name

No dangerous good in sense of these transport regulations.

14.3 Transport hazard class(es)

No dangerous good in sense of these transport regulations.

14.4 Packing group

No dangerous good in sense of these transport regulations.

14.5 Environmental hazards

No dangerous good in sense of these transport regulations.

14.6 Special precautions for user

None

14.7 Transport in bulk according to Annex II of Marpol and the IBC Code

No transport as bulk according to IBC Code.

15. Regulatory information

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

EU legislation

Authorisations and/or restrictions on use

Restrictions on use

Use restriction according to REACH annex XVII, no. : 3

National regulations

Restrictions of occupation

Observe restrictions to employment for juvenils according to the 'juvenile work protection guideline' (94/33/EC).

Observe employment restrictions under the Maternity Protection Directive (92/85/EEC) for expectant or nursing mothers.

Störfallverordnung

Not subject to StorfalIVO.

Water hazard class (WGK)

Classification according to AwSV - Class : 1 (Slightly hazardous to water)

15.2 Chemical safety assessment

For this substance a chemical safety assessment has not been carried out.

16. Other information

Changes to the previous versions See sections 1 to 16.

16.1 Abbreviations and acronyms

ADR: Accord europeen sur le transport des marchandises dangereuses par Route (Europaisches Ubereinkommen uber die Beforderung gefahrlicher Guter auf der Strase)

AOX: adsorbierbare organisch gebundene Halogene

AwSV: Verordnung uber Anlagen zum Umgang mit wassergefahrdenden Stoffen

CAS: Chemical Abstracts Service (Unterabteilung der American Chemical Society)

CLP: Verordnung (EG) Nr. 1272/2008 uber die Einstufung, Kennzeichnung und Verpackung von Stoffen und Gemischen (Classification Labelling and Packaging)

EAK / AVV: europaischer Abfallartenkatalog / Abfallverzeichnis-Verordnung

ECHA: Europaische Chemikalienagentur (European Chemicals Agency)

EINECS: : Altstoffverzeichnis (European Inventory of Existing Commercial Chemical Substances)

GHS: Global harmonisiertes System zur Einstufung und Kennzeichnung von Chemikalien (Globally Harmonized System

of Classification and Labelling of Chemicals)

IATA: Internationale Luftverkehrs-Vereinigung (International Air Transport Association)

ICAO: Internationale Zivilluftfahrtorganisation (International Civil Aviation Organization)

IMDG: Gefahrgutkennzeichnung fur gefahrliche Guter im Seeschiffverkehr (International Maritime Code for Dangerous Goods)

RID: Regelung zur internationalen Beforderung gefahrlicher Guter im Schienenverkehr (Reglement concernant le

transport international ferroviaire de marchandises dangereuses)

TRGS: Technische Regel fur den Umgang mit Gefahrstoffen

VbF: Verordnung uber brennbare Flussigkeiten

VOC: fluchtige organische Verbindung (volatile organic compound)

VwVwS: Verwaltungsvorschrift wassergefahrdender Stoffe

WGK: Wassergefahrdungsklasse

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16.2 Key literature references and sources for data

GUV: GESTIS-Stoffdatenbank
ECHA: Classification And Labelling Inventory
ECHA: Pre-registered Substances
ECHA: Registered Substances
EC_Safety Data Sheet of Suppliers
ESIS: European Chemical Substances Information System
GDL: Gefahrstoffdatenbank der Länder
UBA Rigoletto: Wassergefahrdende Stoffe
Regulation (EC) No. 1907/2006 of the European Parliament and of the Council
Regulation (EC) No. 1272/2008 of the European Parliament and of the Council

16.3 Classification for mixtures and used evaluation method according

No information available.

16.4 Relevant H- and EUH-phrases (Number and full text)

H304 May be fatal if swallowed and enters airways.

The above information describes exclusively the safety requirements of the product and is based on our present-day knowledge. The information is intended to give you advice about the safe handling of the product named in this safety data sheet, for storage, processing, transport and disposal. The information cannot be transferred to other products. In the case of mixing the product with other products or in the case of processing, the information on this safety data sheet is not necessarily valid for the new made-up material.