

Safety data sheet

[According to EC 1907/2006 reach Article 31]

Print Date: 01.12.2022

revision date: 01-12-2022

Section 1 - Identification of the substance or mixture and of the undertaking

1.1 Product identification

Name of the substance: GREASE/COOLANT FOR BREDEL HOSE PUMP
"Genuine hose Lubricant", 'FOOD GRADE'

Product Number: NSF Registration No 123204 , Category Code H1

1.2 relevant identified uses of the substance or mixture and uses not recommended

Application, Use: Lubricant, refrigerant
SU 13 – Industrial use
PC 24 – Lubricants, greases, cleaners

1.3 Contact information from the safety data sheet issuer

Manufacturer, supplier: Watson-Marlow Bredel B.V.
Sluisstraat 7, 7491 GA tel. : +31 74 3770000
PO Box 47, 7490 AA fax: +31 74 3761175
Hotel check-out

VIB Information Provider: Tel.: +31 (0)74 3770000
Email: hosepumps@wmftg.com

1.4 Emergency telephone number

Emergency Phone Number: Ireland:
Poisons Information Centre
+353 (0)1 809 2566 (Healthcare Professionals only)

UK:
National Poisons Information Service (NPIS)
+44 (0)344 892 0111 (Healthcare Professionals only)

Section 2 – Identification of hazards

2.1 Classification of the substance or mixture:

Product Description: Mixture

According to Regulation (EC)
No 1272/2008 (CLP): This substance does not meet the criteria for
classification in accordance with Regulation (EC) No
1272/2008 (CLP)

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2.2 Etiketteringselement:

Labeling in accordance with Regulation (EC) No 1272/2008 [CLP]

Hazard symbols: None

Signal word: None

Hazard indications: Not applicable

Safety recommendations: Not applicable

2.3 Other hazards

Particular risk of slipping due to product leakage/spillage

Section 3 – Composition and information on ingredients

3.2 mixture

Name of substance	CAS No. / EINECS no. REACH#	Weight %	Classification in accordance with Regulation (EC) No 1272/2008 (CLP).
Glycerol	56-81-5 200-289-5 -	50-100	none
1,2-propylene glycol	57-55-6 200-338-0 01-2119456809	2,5-10	none

Section 4 – First aid measures

4.1 Description of First aid measures

General remarks: Remove contaminated clothes.

By inhalation: Bring the victim into the fresh air. In case of doubt or persistent symptoms, consult a doctor.

In case of skin contact: Rinse the skin with plenty of water, shower if necessary.

At eye contact: If equipped, remove the contact lenses. Immediately rinse thoroughly and for a long time (at least 15 min.) with plenty of water. In case of doubt or persistent symptoms, consult a doctor.

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If swallowed:	Rinse the mouth with water. If you feel unwell, consult a doctor. Do not induce vomiting unless instructed by medical personnel.
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Self-protection for the first aid provider
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Section 5 – Fire-fighting measures

5.1 suitable extinguishing media

Suitable extinguishing media:	Extinguishing powder, water spray, foam, CO2.
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Additional procedure:	Use (nebulized) water to drain the neighboring structures cooling. Avoid putting fire water into the environment
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5.2 Special hazards caused by the substance or mixture

Hazardous combustion Products:	In the event of a fire, carbon monoxide (CO) or smoke may be released.
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5.3 Advice for firefighters:

Avoid breathing smoke in the event of fire and/or explosion. Extinguish with normal precautions from a reasonable distance. Wear independent breathing apparatus
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Section 6 – accidental release measures for the substance or preparation

6.1 Personal precautions, protected equipment and emergency procedures

No special measures are necessary

6.2 Environmental precautions:

Avoid the product entering drains, surface water or groundwater

6.3 Method of containment and cleaning and materials

Use liquid-binding material (sand, mountain flour, acid binder, universal binder, saw meal). Store and dispose of the recorded material in accordance with regulations.
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6.4 Reference to other headings

Hazardous combustion products	See section 5
Personal protective equipment	See section 8
Chemically interworking materials:	See section 10
Disposal instruction:	See section 13

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Section 7 – Handling and storage

7.1 Precautions for safe handling of the substance or mixture

Protective measures:	Measures sufficient
Fire and aerosol and dust prevention measures:	No special measures are necessary.
Environmental protection measures:	
Advice on general occupational hygiene:	No special measures are necessary. Keep away from food, drink and feed. Do not eat or drink while in use.

7.2 Conditions for safe storage, including incompatible products

Storage room and vessel requirements:	Suitable material for tanks: Stainless and carbon steel and various plastics
Learn more about storage conditions:	Product is hygroscopic. Protect against humidity and water.

7.3 specific end use

No information is available

Section 8 – Exposure / Personal Protection

8.1 Exposure:

Component glycerol with limit value for monitoring:	Indicative limit value: Long-term exposure: 10 mg/m3 (particulate matter).
Component 1,2propylene glycol with limit value for monitoring:	Indicative limit value: Long-term exposure: 50 mg/m3 (mist particles).No DNEL is known for glycerol.
REACH DNEL (derived value with no exposure effect)	For 1,2-propylene glycol Systemic effects: Long-term 168 mg/m3 Local effects: Long-term 10 mg/m3
Components with limit values to be observed in relation to the work area:	The product does not contain any relevant quantities of components that need to be checked with respect to workplace limits.
Additional information:	The lists used to be valid and up-to-date when drawing up this document were used as a basis.

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8.2 Personal Protection:

Eye and face protection:

Safety glasses recommended.

Skin protection:

- Hand protection
- Glove material
- For a permanent contact of up to 15 minutes, gloves from the following materials are suitable

Safety gloves are recommended.
Neoprene. Nitrile rubber. Fluorine rubber (Viton).
Butyl rubber.

Respiratory protection:

Not necessary.

General protective and health measures:

The usual precautions for handling chemicals must be observed.

Hygiene measures:

When using chemicals, do not eat, drink or smoke.

8.2.3 Environmental Management

Avoid the product entering drains, surface water or groundwater

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Section 9 – Physical and chemical properties

a) Physical condition	Liquid
b) Color	Bright green
c) Odor	Odorless
d) Melting point / freezing point	-30 °C
e) Boiling point	260 °C.
f) Flammability	-
g) Lower explosion limit Upper explosion limit	2,6 vol% 11,3 vol%
h) Flash point	>100 °C (ASTM D6450)
i) Auto-ignition temperature	± 370 °C.
j) Decomposition temperature	>370 °C.
k) PH	Neutral
l) Viscosity	600 – 700 MPa.s (ASTM D2196) at 20 °C.
m) Solubility in water in ethanol	Fully miscible Fully miscible
n) Distribution coefficient n-octanol/water (log value)	-
o) Vapor pressure	1,3 hPa (130 Pa) at 20 °C.
p) Density	± 1,245 g/cm ³ (ISO 2811-2) at 20 °C.
q) Relative vapor density	Not determined
r) Particle attributes	Not applicable

Section 10 – Stability and reactivity

10.1 reactivity

This substance is not reactive under normal environmental conditions

10.2 Chemical stability

The material is stable under normal atmospheric conditions and expected temperature and storage and handling pressure.

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10.3 possible hazardous reactions
No dangerous reactions known
10.4 Conditions to avoid
Keep away from heat. Decomposition takes place from temperatures above 370 °C.
10.5 Chemical materials acting together:
Oxidizing agents.
10.6 Hazardous decomposition products:
In the event of a fire, carbon monoxide (CO) or smoke may be released.

Section 11 – Toxicological information

11.1 Information on hazard classes as defined in Regulation (EC) No 1272/2008/94

Acute toxicity	
- Oral (LD50)	Glycerol (100%): >12,000 mg/kg (rat, literature). 1,2-propylene glycol (100%): 20,000 mg/kg (rat, literature).
- Dermal (LD50)	Glycerol (100%): >10,000 mg/kg (rabbit literature). 1,2-propylene glycol (100%): >20,000 mg/kg (rabbit literature).
Skin corrosion/irritation	No irritation effect.
Serious eye injury/eye irritation	No irritation
Respiratory/Skin sensitization	No inhalation or skin allergen effect known
Mutagenicity in germ cells	Is not to be classified as mutagenic in germ cells
Carcinogenicity	Is not a carcinogen to classify
Toxicity to reproduction	Is not to be classified as a toxic substance for reproduction
Primary condition: Hypersensitivity:	No effect of hypersensitivity known.
Inhalation hazard:	Is not to be classified as hazardous in aspiration
Additional toxicological information:	The product is not subject to labeling requirements in the latest valid wording, based on the calculation process of the general classification guidelines for EC preparations. In case of expert handling and use according to regulation, the product does not cause any harmful effects on the Bless you., based on our experience and the information we know

11.2 hormone disrupting properties

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Not known

11.3 Information on other hazards

There is no further information

Section 12 – ecological information

12.1 Toxicity

Acute toxicity
Fishing

LC50: 68,100 mg/L (96 hours), literature.

12.2 degradability process

Behavior in treatment plant:

In the case of judicious use, the product does not cause any disturbance in waste water treatment plants, according to experience gained so far.

12.3 Bioaccumulation

Readily biodegradable. Biodegradability: > 85%.

12.4 Mobility in the soil

No data is available

12.5 results of PBT and zPzB assessment

No data is available

12.6 hormone disrupting properties

Not listed

12.7 Other harmful effects

No data available

12.8 Additional information

No data available

Section 13 – disposal instructions

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13.1 Waste Handling Methods:
13.1.1 disposal of product/packaging
Should not be dumped together with household waste or allowed to enter the sewer system.
13.1.2 disposal Information:
Please note the relevant national or regional provisions. Waste is separated into the categories that can be handled separately by local or national waste management services. No waste key number can be determined for this product in accordance with the European Waste Catalog (EAC), as the consumer must first determine the intended use. The waste key number must be determined in accordance with the regional waste disposal.
13.1.3 Waste Water Discharge Information:
Do not throw trash into the sink. Avoid discharge into the environment.
13.1.4 Andre recommendations for removals
Dispose of in accordance with local government regulations, e.g. to a suitable waste incineration plant.

Section 14 – Information on transport

14.1. UN number or ID number
Not classified as dangerous according to transport legislation
14.2. Proper name of cargo in accordance with UN model regulations
No hazard in accordance with ADR/RID, IMDG and ICAO/IATA regulations
14.3. Transport hazard class(s)
None
14.4. Packing group
None
14.5. Environmental hazards
Not assigned

14.6. Special precautions for the user

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Not hazardous to the environment, in accordance with the regulations for the transport of dangerous substances
No further information available

14.7. Bulk maritime transport in accordance with IMO instruments

The cargo is not intended to be transported in bulk

Section 15 – Regulations

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

EU regulations

Restrictions on use, reach Annex XVII Not listed

List of obligatory substances, reach Annex XIV Not listed

Seveso Directive (2012/18/EU) Not applicable

1999/13/EC on the limitation of emissions of volatile organic compounds (VOC Directive) FOX content – 0%

National regulations: Unknown

15.2 Chemical safety assessment:

No chemical safety assessment has been carried out by the supplier for this substance/mixture.

Section 16 – Other information

Indication of changes (Material Safety Data Sheet Revision)

Alignment with Regulation: Regulation (EC) No 1907/2006 (reach), as amended by 2020/878/EU

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Abbreviations and acronyms

ADN	Accord européen relatif au transport international des marchandises Dansreuses par voies de navigation Intérieures (European Agreement on the International Carriage of dangerous goods by inland waterway)
ADR	Accord européen relatif au transport international des marchandises Dangeruses par route (European Agreement on the international carriage of dangerous goods by road)
CAS	Chemical Abstracts Service (chemical database and their unique number, CAS registration number)
CLP	Regulation (EC) No 1272/2008 on the classification, labeling and packaging of substances and mixtures (Classification, Labeling and Packaging)
CMR	Carcinogen, mutagens or reproductive toxic
DGR	Dangerous goods Regulations, regulations for the carriage of dangerous goods, see IATA/DGR
DNEL	Derived No-effect Level (derived dose without effect)
EC No.	The EC register (EINECS, ELINCS and NLP register) is the source of the seven-digit EC number as a substance code (European Union)
EINECS	European Inventory of existing Commercial Chemical substances chemicals)
ELINCS	European List of notified Chemical substances (European list of published chemicals)
GHS	"Globally harmonized system for the classification and labeling of chemicals" developed by the United Nations
IATA	International Air Transport Association
IATA/DGR	Dangerous goods Regulations (DGR) for Air Transport (IATA)
ICAO	International Civil Aviation Organization
IMDG	International Code for the Transport of dangerous substances by Sea (IMDG Code)
LC50	Lethal concentration 50 %: Is the concentration of value in air of the material in which 50 % of the test objects die for a given time interval
LD50	Lethal dose 50 %: The LD50 corresponds to the dose of a tested substance where 50 % of the test objects die for a specified time interval
PBT	Persistent, bioaccumulative and toxic
PNEC	Predicted concentration without effect
REACH	Registration, Evaluation, authorization and restriction of Chemicals (registration and assessment of, and authorization and restrictions on chemicals)
RID	Règlement concernant le transport International ferroviaire des marchandises Dangeruses (Rules on the international carriage of dangerous goods by rail)
SVHC	Very worrying substance
FOX	Very persistent and very bioaccumulative
ZPzB	Very persistent and very bioaccumulative

Important literature references and data sources

Regulation (EC) No 1272/2008 on the classification, labeling and packaging of substances and mixtures (Classification, Labeling and Packaging). Regulation (EC) No 1907/2006 (reach), as amended By 2020/878/EU.

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