



VERDERFLEX®

Special Grease for Rollit Peristaltic Hose Pump Free of Silicon

Safety, Technical, Product
and Hazard Data Sheet

Version 1.0v-10/2016

Print-No. 01



According to Regulation (EC) No. 1907/2006 (Reach),
Annex II

CE **VERDER**
passion for pumps

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1. IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

1.1 Product Identifier

Product Name	Verderflex
Chemical Identification	Special Grease - free of silicon
Cas Number	Preparation
Use	Special Grease for Rollit Peristaltic Hose Pump

1.2 Relevant Identified Uses of the Substance or Mixture and Uses Advised Against

Not Available.

1.3 Details of the Supplier of the Safety Data Sheet

Producer/Supplier	Verder Limited United 3 California Drive Castleford WF10 5QH UK
Tel Number	+44 (0) 1924 221 020
Fax Number	+44 (0) 1132 465 649
Emergency Tel Number	
For advice on this product call	+44 (0) 1924 221 020

2. HAZARDS IDENTIFICATION

2.1 Classification of the Substance or Mixture

This product is not classified as hazardous according to Regulation (EC) No. 1272/2008 [CLP/GHS]

Ingredients of unknown

toxicity: Percentage of the mixture consisting of ingredient(s) of unknown toxicity: 93%

Ingredients of unknown

ecotoxicity: Percentage of the mixture consisting of ingredient(s) of unknown hazards to the aquatic environment: 12.5%

The product is not classified as dangerous according to Directive 1999/45/EC [DPD] and its amendments.

Classification Procedure Calculation Method

For the full text of the R phrases or H statements declared above, see (→ 16. Other Information).

For more detailed information on health effects and symptoms, see (→ 11. Toxicological Information).

2.2 Label Elements

► Hazard pictograms:

Signal word:	No signal word.
Hazard statements:	No known significant effects or critical hazards.

► Precautionary statements:

Prevention:	Not applicable.
Response:	Not applicable.
Storage:	Not applicable.
Disposal:	Not applicable.

► Hazardous ingredients

Supplemental label elements: Safety data sheet available for professional user on request.

► Special packaging requirements:

Containers to be fitted with child-resistant fastenings:	Not applicable.
Tactile warning of danger:	Not applicable.

2.3 Other Hazards

Other hazards which do not result in classification:	Not applicable.
Additional warning phrases:	Not applicable.

3. COMPOSITION/INFORMATION ON INGREDIENTS

Substance/mixture:	Mixture
Description:	Lithium soap polyalkylene glycol oil

Product/Ingredient Name	Identifiers	%	Classification		Type
			67/548/EEC	Regulation (EC) No. 1272/2008 [CLP]	
Benzenamine, N-phenyl-, reaction products with 2,4,4-trimethylpentene 0,0,0-triphenyl phosphorothioate	EC: 270-128-1 CAS: 68411-46-1	<25	R52/53	Aquatic Chronic 3, H412	[1]
	EC: 209-909-9 CAS: 597-82-0	<25	R53 For the full text of the R-phrases declared above (→ 16).	Aquatic Chronic 4, H413 For the full text of the H statements declared above (→ 16).	[1]

There are no additional ingredients present which, within the current knowledge of the supplier and in the concentrations applicable, are classified as hazardous to health or the environment and hence require reporting in this section.

[1] Substance classified with a health or environmental hazard.

[2] Substance with a workplace exposure limit.

[3] Substance meets the criteria for PBT according to Regulation (EC) No. 1907/2006, Annex XIII.

[4] Substance meets the criteria for vPvB according to Regulation (EC) No. 1907/2006, Annex XIII.

Occupational exposure limits, if available, are listed in (→ 8. Exposure controls/personal protection).

4. FIRST AID MEASURES

4.1 Description of First Aid Measures

- ▶ **Eye contact:** Immediately flush eyes with plenty of water, occasionally lifting the upper and lower eyelids. Check for and remove any contact lenses. Get medical attention if irritation occurs.
- ▶ **Inhalation:** Remove victim to fresh air and keep at rest in a position comfortable for breathing. Get medical attention if symptoms occur. In case of inhalation of decomposition products in a fire, symptoms may be delayed. The exposed person may need to be kept under medical surveillance for 48 hours.
- ▶ **Skin contact:** Flush contaminated skin with plenty of water. Remove contaminated clothing and shoes. Get medical attention if symptoms occur.
- ▶ **Ingestion:** Wash out mouth with water. Remove victim to fresh air and keep at rest in a position comfortable for breathing. If material has been swallowed and the exposed person is conscious, give small quantities of water to drink. Do not induce vomiting unless directed to do so by medical personnel. Get medical attention if symptoms occur.
- ▶ **Protection of first-aiders:** No action shall be taken involving any personal risk or without suitable training.

4.2 Most Important Symptoms and Effects, Both Acute and Delayed

Potential acute health effects

- ▶ **Eye contact:** No known significant effects or critical hazards.
- ▶ **Inhalation:** Exposure to decomposition products may cause a health hazard. Serious effects may be delayed following exposure.
- ▶ **Skin contact:** No known significant effects or critical hazards.
- ▶ **Ingestion:** No known significant effects or critical hazards.

Over-exposure signs/symptoms

- ▶ **Eye contact:** No specific data.
- ▶ **Inhalation:** No specific data.
- ▶ **Skin contact:** No specific data.
- ▶ **Ingestion:** No specific data.

4.3 Indication of any Immediate Medical Attention and Special Treatment Needed

- ▶ **Notes to physician:** In case of inhalation of decomposition products in a fire, symptoms may be delayed. The exposed person may need to be kept under medical surveillance for 48 hours.
- ▶ **Specific treatments:** No specific treatment.

5. FIREFIGHTING MEASURES

5.1 Extinguishing Media

- ▶ **Suitable extinguishing media:** Use an extinguishing agent suitable for the surrounding fire.

- ▶ **Unsuitable extinguishing media:** None known.

5.2 Special Hazards Arising from the Substance or Mixture

- ▶ **Hazards from the substance or mixture:** In a fire or if heated, a pressure increase will occur and the container may burst.

- ▶ **Hazardous combustion products:** Decomposition products may include the following materials:
 - carbon dioxide
 - carbon monoxide
 - nitrogen oxides
 - sulphur oxides
 - phosphorus oxides
 - metal oxide/oxides

5.3 Advice for Fire-fighters

- ▶ **Special precautions for fire-fighters:** Promptly isolate the scene by removing all persons from the vicinity of the incident if there is a fire. No action shall be taken involving any personal risk or without suitable training.

- ▶ **Special protective equipment for fire-fighters:** Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode. Clothing for fire-fighters (including helmets, protective boots and gloves) conforming to European standard EN 469 will provide a basic level of protection for chemical incidents.

6. ACCIDENTAL RELEASE MEASURES

6.1 Personal Precautions, Protective Equipment and Emergency Procedures

- ▶ **For non-emergency personnel:** No action shall be taken involving any personal risk or without suitable training. Evacuate surrounding areas. Keep unnecessary and unprotected personnel from entering. Do not touch or walk through spilt material. Put on appropriate personal protective equipment.
- ▶ **For emergency responders:** If specialised clothing is required to deal with the spillage, take note of any information in (→ 8. Exposure controls/personal protection) on suitable and unsuitable materials. See also the information in "For non-emergency personnel".

6.2 Environmental Precautions

Avoid dispersal of spilt material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air).

6.3 Methods and Material for Containment and Cleaning up

- ▶ **Small spill:** Stop leak if without risk. Move containers from spill area. Dilute with water and mop up if water-soluble. Alternatively, or if water-insoluble, absorb with an inert dry material and place in an appropriate waste disposal container. Dispose of via a licensed waste disposal contractor.
- ▶ **Large spill:** Stop leak if without risk. Move containers from spill area. Prevent entry into sewers, water courses, basements or confined areas. Wash spillages into an effluent treatment plant or proceed as follows. Contain and collect spillage with non-combustible, absorbent material e.g. sand, earth, vermiculite or diatomaceous earth and place in container for disposal according to local regulations (→ 13. Disposal Considerations). Dispose of via a licensed waste disposal contractor.

Note:

For emergency contact information, (→ 1. Identification of the Substance/Mixture and of the Company/ Undertaking).

For additional waste treatment information, (→ 13. Disposal Considerations).

6.4 Reference to Other Sections

For emergency contact information, (→ 1. Identification of the Substance/Mixture and of the Company/ Undertaking).

For information on appropriate personal protective equipment, (→ 8. Exposure controls/personal protection).

For additional waste treatment information, (→ 13. Disposal Considerations).

7. HANDLING AND STORAGE

The information in this section contains generic advice and guidance. The list of Identified Uses in (→ 1. Identification of the Substance/Mixture and of the Company/Undertaking) should be consulted for any available use-specific information provided in the Exposure Scenario(s).

7.1 Precautions for Safe Handling

- ▶ **Protective measures:** Put on appropriate personal protective equipment (→ 8. Exposure controls/personal protection).
- ▶ **Advice on general occupational hygiene:** Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed. Workers should wash hands and face before eating, drinking and smoking. Remove contaminated clothing and protective equipment before entering eating areas. For additional information on hygiene measures, (→ 8. Exposure controls/personal protection).

7.2 Conditions for Safe Storage, Including any Incompatibilities

Store in accordance with local regulations. Store in original container protected from direct sunlight in a dry, cool and well-ventilated area, away from incompatible materials (→ 10. Stability and reactivity) and food and drink. Keep container tightly closed and sealed until ready for use. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Do not store in unlabelled containers. Use appropriate containment to avoid environmental contamination.

7.3 Specific End Use(s)

- Recommendations:** Not available.
- Industrial sector specific solutions:** Not available.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

The information in this section contains generic advice and guidance. The list of Identified Uses in Section 1 should be consulted for any available use-specific information provided in the Exposure Scenario(s).

8.1 Control Parameters

- ▶ **Occupational exposure limit values:** Does not contain substances above concentration limits fixing an occupational exposure limit.

- ▶ **Recommended monitoring procedures:** If this product contains ingredients with exposure limits, personal, workplace atmosphere or biological monitoring may be required to determine the effectiveness of the ventilation or other control measures and/or the necessity to use respiratory protective equipment. Reference should be made to European Standard EN 689 for methods for the assessment of exposure by inhalation to chemical agents and national guidance documents for methods for the determination of hazardous substances.

- ▶ **Derived effect levels:** No DELs available.

- ▶ **Predicted effect concentrations:** No PECs available.

8.2 Exposure Controls

- ▶ **Appropriate engineering controls:** No special ventilation requirements. Good general ventilation should be sufficient to control worker exposure to airborne contaminants. If this product contains ingredients with exposure limits, use process enclosures, local exhaust ventilation or other engineering controls to keep worker exposure below any recommended or statutory limits.

- ▶ **Individual protection measures:**
 - Hygiene measures:** Wash hands, forearms and face thoroughly after handling chemical products, before eating, smoking and using the lavatory and at the end of the working period. Appropriate techniques should be used to remove potentially contaminated clothing. Wash contaminated clothing before reusing. Ensure that eyewash stations and safety showers are close to the workstation location.

 - Eye/face protection:** Safety eyewear complying with an approved standard should be used when a risk assessment indicates this is necessary to avoid exposure to liquid splashes, mists, gases or dusts.



8.2 Exposure Controls

- ▶ **Skin protection:**
 - Hand protection:** Chemical-resistant, impervious gloves complying with an approved standard should be worn at all times when handling chemical products if a risk assessment indicates this is necessary.

- ▶ **Body protection:** Personal protective equipment for the body should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product.

- ▶ **Other skin protection:** Appropriate footwear and any additional skin protection measures should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product.

- ▶ **Respiratory protection:** Use a properly fitted, air-purifying or air-fed respirator complying with an approved standard if a risk assessment indicates this is necessary. Respirator selection must be based on known or anticipated exposure levels, the hazards of the product and the safe working limits of the selected respirator.

- ▶ **Environmental exposure controls:** Emissions from ventilation or work process equipment should be checked to ensure they comply with the requirements of environmental protection legislation. In some cases, fume scrubbers, filters or engineering modifications to the process equipment will be necessary to reduce emissions to acceptable levels.

9. PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on Basic Physical and Chemical Properties

▶ Appearance					
<i>Physical state:</i>		Liquid. [Paste]			
<i>Colour:</i>		Beige			
▶ Odour:		Characteristic			
▶ Safety relevant basis data					
<i>PH:</i>				Not available	
<i>Melting point/freezing range:</i>				Not available	
<i>Initial boiling point and boiling range:</i>				Not available	
<i>Flash point:</i>				Not applicable	
<i>Flammability (solid, gas):</i>				Not available	
<i>Burning Time:</i>				Not applicable	
<i>Burning Rate:</i>				Not applicable	
<i>Upper/lower explosive limits:</i>				Not available	
<i>Upper/lower flammability:</i>				Not available	
<i>Vapour pressure:</i>				Not available	
<i>Density:</i>		(20 °C)	ca.	0,97	g/cm ³
<i>Bulk density:</i>				Not available	
<i>Solubility(ies):</i>				Insoluble in the following materials: cold water	
<i>Partition coefficient: n-octanol/water</i>				Not available	
<i>Auto-ignition temperature:</i>				Not available	
<i>Decomposition temperature:</i>				Not available	
<i>Viscosity:</i>				Not available	
<i>Explosive properties:</i>				Not available	
<i>Oxidising properties:</i>				Not available	

9.2 Other information

No data available

10. STABILITY AND REACTIVITY

10.1 Reactivity

No specific test data related to reactivity available for this product or its ingredients.

10.2 Chemical Stability

The product is stable.

10.3 Possibility of Hazardous Reactions

Under normal conditions of storage and use, hazardous reactions will not occur.

10.4 Conditions to Avoid

No specific data.

10.5 Incompatible Materials

No specific data.

10.6 Hazardous Decomposition Products

Under normal conditions of storage and use, hazardous decomposition products should not be produced.

11. TOXICOLOGICAL INFORMATION

11.1 Information on Toxicological Effects

- ▶ **Acute toxicity**
Conclusion/Summary Not available
- ▶ **Acute toxicity estimates**
Not available
- ▶ **Irritant/corrosive**
Conclusion/Summary Not available
- ▶ **Sensitiser**
Conclusion/Summary Not available
- ▶ **Mutagenicity**
Conclusion/Summary Not available
- ▶ **Carcinogenicity**
Conclusion/Summary Not available
- ▶ **Reproductive toxicity**
Conclusion/Summary Not available
- ▶ **Teratogenicity**
Conclusion/Summary Not available
- ▶ **Specific target organ toxicity (single exposure)**
Not available
- ▶ **Specific target organ toxicity (repeated exposure)**
Not available
- ▶ **Aspiration hazard**
Not available
- ▶ **Information on the likely routes of exposure**
Not available
- ▶ **Potential acute health effects**
 - Inhalation* Exposure to decomposition products may cause a health hazard. Serious effects may be delayed following exposure.
 - Ingestion* No known significant effects or critical hazards.
 - Skin contact* No known significant effects or critical hazards.
 - Eye contact* No known significant effects or critical hazards.
- ▶ **Symptoms related to the physical, chemical and toxicological characteristics**
 - Inhalation* No specific data
 - Ingestion* No specific data
 - Skin contact* No specific data
 - Eye contact* No specific data
- ▶ **Delayed and immediate effects and also chronic effects from short and long term exposure**
 - Short term exposure**
 - Potential immediate effects* Not available
 - Potential delayed effects* Not available
 - Long term exposure**
 - Potential immediate effects* Not available
 - Potential delayed effects* Not available



► **Potential chronic health effects**

Not available

Conclusion/Summary

Not available

General

No known significant effects or critical hazards.

Carcinogenicity

No known significant effects or critical hazards.

Mutagenicity

No known significant effects or critical hazards.

Teratogenicity

No known significant effects or critical hazards.

Developmental effects

No known significant effects or critical hazards.

Fertility effects

No known significant effects or critical hazards.

Other information

Not available

12. ECOLOGICAL INFORMATION

12.1 Toxicity

Conclusion/Summary

Not available

12.2 Persistence and Degradability

Conclusion/Summary

Not available

12.3 Bioaccumulative Potential

No data available

12.4 Mobility in Soil

► **Soil/water partition**

coefficient (K_{oc})

Not available

► **Mobility**

Not available

12.5 Results of PBT and vPvB Assessment

► **PBT**

Not available

► **vPvB**

Not available

12.6 Other Adverse Effects

No known significant effects or critical hazards.

13. DISPOSAL CONSIDERATIONS

The information in this section contains generic advice and guidance. The list of Identified Uses in Section 1 should be consulted for any available use-specific information provided in the Exposure Scenario(s).

13.1 Waste Treatment Methods

▶ Product

Methods of disposal

The generation of waste should be avoided or minimised wherever possible. Significant quantities of waste product residues should not be disposed of via the foul sewer but processed in a suitable effluent treatment plant. Dispose of surplus and non-recyclable products via a licensed waste disposal contractor. Disposal of this product, solutions and any by-products should at all times comply with the requirements of environmental protection and waste disposal legislation and any regional local authority requirements.

Hazardous waste

Within the present knowledge of the supplier, this product is not regarded as hazardous waste, as defined by EU Directive 91/689/EEC.

▶ Packaging

Methods of disposal

The generation of waste should be avoided or minimised wherever possible. Waste packaging should be recycled. Incineration or landfill should only be considered when recycling is not feasible.

Special precautions

This material and its container must be disposed of in a safe way. Empty containers or liners may retain some product residues. Avoid dispersal of spilt material and runoff and contact with soil, waterways, drains and sewers.

14. TRANSPORT INFORMATION

14.1 UN Number

- | | |
|-----------|---------------|
| ▶ ADR/RID | Not regulated |
| ▶ IMDG | Not regulated |
| ▶ IATA | Not regulated |

14.2 UN Proper Shipping Name

- | | |
|-----------|---|
| ▶ ADR/RID | - |
| ▶ IMDG | - |
| ▶ IATA | - |

14.3 Transport Hazard Class(es)

- | | |
|-----------|---|
| ▶ ADR/RID | - |
| ▶ IMDG | - |
| ▶ IATA | - |

14.4 Packing Group

- | | |
|-----------|---|
| ▶ ADR/RID | - |
| ▶ IMDG | - |
| ▶ IATA | - |

14.5 Environmental Hazards

- ▶ ADR/RID No.
- ▶ IMDG No.
- ▶ IATA No.

14.6 Special Precautions for User

- ▶ ADR/RID Not available
- ▶ IMDG Not available
- ▶ IATA Not available

14.7 Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

Not available

15. REGULATORY INFORMATION

15.1 Safety, Health and Environmental Regulations/Legislation Specific for the Substance or Mixture

- ▶ **EU Regulation (EC) No, 1907/2006 (REACH)**
Annex XIV - Ust of substances subject to authorisation
Substances of very high concern: None of the components are listed.

Annex XVII - Restrictions on the manufacture, placing on the market and use of certain dangerous substances, mixtures and articles

Not applicable.

- ▶ **Other EU regulations**
 - Europe inventory:* Not determined
 - Black List Chemicals:* Not listed
 - Priority List Chemicals:* Not listed
 - Integrated pollution prevention and control list (IPPC) - Air:* Not listed
 - Integrated pollution prevention and control list (IPPC) - Water:* Not listed.

- ▶ **International regulations**
 - Chemical Weapons Convention List Schedule I Chemicals:* Not listed
 - Chemical Weapons Convention List Schedule II Chemicals:* Not listed
 - Chemical Weapons Convention List Schedule III Chemicals:* Not listed

15.2 Chemical Safety Assessment

This product contains substances for which Chemical Safety Assessments are still required.

16. Other Information

Indicates information that has changed from previously issued version.

Abbreviations and Acronyms

ATE	- Acute Toxicity Estimate REACH Registration Number
CLP	- Classification, Labelling and Packaging Regulation [Regulation (EC) No.1272/2008]
DNEL	- Derived No Effect Level Derived No Effect Level
EUH statement	- CLP-specific Hazard statement
PNEC	- Predicted No Effect Concentration
RRN	- REACH Registration Number

Procedure used to derive the classification according to Regulation (EC) No. 1272/2008 [CLP/GHSJ]

Classification	Justification
Not Classified	

Full text of abbreviated H statements

H412	- Harmful to aquatic life with long lasting effects.
H413	- May cause long lasting harmful effects to aquatic life.
Full text of classifications [CLP/GHS]	- Aquatic Chronic 3, H412 AQUATIC TOXICITY (CHRONIC) - Category 3. - Aquatic Chronic 4, H413 AQUATIC TOXICITY (CHRONIC) - Category 4.
Full text of abbreviated R phrases:	- R52/53- Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment. - R53- May cause long-term adverse effects in the aquatic environment.
Full text of classifications [DSD/DPD]	- Not applicable.