

## Safety data sheet according to GHS

Printing and revision 29.01.2026

Version number 4

Modification: 29.01.2026

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

- **Product identifier**
- **Trade name:** PERFLU H1 HIGH TEMP 25KG
- **Article number:** 851061487
- **Relevant identified uses of the substance or mixture and uses advised against**  
No further relevant information available.
- **Application of the substance / the mixture** Grease
- **Details of the supplier of the safety data sheet**
- **Manufacturer/Supplier:**  
BHS Corrugated Maschinen und Anlagen GmbH  
Paul-Engel-Strasse 1  
92729 Weiherhammer  
Tel.: +49 (0) 9605 919 291  
www.bhs-world.com  
spareparts@bhs-world.com
- **Further information obtainable from:** -
- **Emergency telephone number:** Notfallauskunft: (001) 352 323 3500

### 2 Hazards identification

- **Classification of the substance or mixture**  
The product is not classified, according to the Globally Harmonised System (GHS).
- **Label elements**
- **GHS label elements** Void
- **Hazard pictograms** Void
- **Signal word** Void
- **Hazard statements** Void
- **Other hazards**
- **Results of PBT and vPvB assessment**
- **PBT:** Not applicable.
- **vPvB:** Not applicable.

### 3 Composition/information on ingredients

- **Chemical characterisation:** Mixtures
- **Description:** Perfluorinated polyether grease with PTFE and additives

· **Dangerous components:**

17265-14-4	Disodium sebacate ⚠ Serious eye damage/irritation – Category 2A, H319; Acute Tox. 5, H313	1-2.5%
1305-62-0	calcium dihydroxide ⚠ Eye Dam. 1, H318; ⚠ Skin Irrit. 2, H315; STOT SE 3, H335; Acute Tox. 5, H303; Acute Tox. 5, H313	0.5-<1%

- **Additional information:** For the wording of the listed hazard phrases refer to section 16.

### 4 First aid measures

- **Description of first aid measures**
- **General information:** No special measures required.
- **After inhalation:** Not applicable, because solids and paste is free of solvents.
- **After skin contact:**  
Immediately wash with water and soap and rinse thoroughly.  
If skin irritation continues, consult a doctor.
- **After eye contact:** Rinse opened eye for several minutes under running water. Then consult a doctor.
- **After swallowing:** Do not induce vomiting; call for medical help immediately.
- **Information for doctor:**
- **Most important symptoms and effects, both acute and delayed** No further relevant information available.
- **Indication of any immediate medical attention and special treatment needed**  
No further relevant information available.

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**5 Firefighting measures**

- **Extinguishing media**
- **Suitable extinguishing agents:**  
Non-flammable product.  
Use fire extinguishing methods suitable to surrounding conditions.
- **Special hazards arising from the substance or mixture** Do not breathe gases and smokes from fire
- **Advice for firefighters**
- **Protective equipment:** Mount respiratory protective device.

**6 Accidental release measures**

- **Personal precautions, protective equipment and emergency procedures**  
Particular danger of slipping on leaked/spilled product.
- **Environmental precautions:** Do not allow product to reach sewage system or any water course.
- **Methods and material for containment and cleaning up:** Pick up mechanically.
- **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 disposal information.

**7 Handling and storage**

- **Handling:**
- **Precautions for safe handling**  
No special measures required.  
No special precautions are necessary if used correctly.
- **Information about fire - and explosion protection:** Keep respiratory protective device available.
- **Conditions for safe storage, including any incompatibilities**
- **Storage:**
- **Requirements to be met by storerooms and receptacles:** Prevent any seepage into the ground.
- **Information about storage in one common storage facility:** Store away from oxidising agents.
- **Further information about storage conditions:** Store in cool, dry conditions in well sealed receptacles.
- **Specific end use(s)** No further relevant information available.

**8 Exposure controls/personal protection**

- **Additional information about design of technical facilities:** No further data; see section 7.
- **Control parameters**

**Ingredients with limit values that require monitoring at the workplace:****1305-62-0 calcium dihydroxide**

IOELV (European Union)	Short-term value: 4 mg/m <sup>3</sup> Long-term value: 1 mg/m <sup>3</sup> Respirable fraction
TLV (European Union)	Short-term value: 5 mg/m <sup>3</sup>
PEL (USA)	Long-term value: 15* 5** mg/m <sup>3</sup> *total dust **respirable fraction
REL (USA)	Long-term value: 5 mg/m <sup>3</sup>
TLV (USA)	Long-term value: 5 mg/m <sup>3</sup>

- **Additional information:** The lists valid during the making were used as basis.
- **Exposure controls**
- **Personal protective equipment:**
- **General protective and hygienic measures:**  
The usual precautionary measures are to be adhered to when handling chemicals.
- **Respiratory protection:** Not required.

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**· Protection of hands:**

Protective gloves

**· Material of gloves**

Nitrile rubber, NBR

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. As the product is a preparation of several substances, the resistance of the glove material can not be calculated in advance and has therefore to be checked prior to the application.

**· 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:**

Safety glasses

## 9 Physical and chemical properties

**· Information on basic physical and chemical properties****· General Information****· Appearance:**

<b>Form:</b>	Paste
<b>Colour:</b>	White
<b>· Odour:</b>	neutral
<b>· Odour threshold:</b>	Not determined.

**· pH-value:** Not applicable.

**· Change in condition**

<b>Melting point/freezing point:</b>	Undetermined.
<b>Initial boiling point and boiling range:</b>	Undetermined.

**· Flash point:** Not applicable.

**· Flammability** Not determined.

**· Decomposition temperature:** >290 °C

**· Ignition temperature:** Product is not selfigniting.

**· Explosive properties:** Product does not present an explosion hazard.

**· Explosion limits:**

<b>Lower:</b>	Not determined.
<b>Upper:</b>	Not determined.

**· Vapour pressure:** Not applicable.

<b>· Density at 20 °C:</b>	1.948 g/cm <sup>3</sup>
<b>· Relative density</b>	Not determined.
<b>· Vapour density</b>	Not applicable.
<b>· Evaporation rate</b>	Not applicable.

**· Solubility in / Miscibility with water:** Insoluble in hydrocarbons and alcohols  
Insoluble.

**· Partition coefficient: n-octanol/water:** Not determined.

**· Viscosity:**

<b>Dynamic:</b>	Not applicable.
<b>Kinematic:</b>	Not applicable.

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

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**10 Stability and reactivity**

- **Reactivity** No further relevant information available.
- **Chemical stability**
- **Thermal decomposition / conditions to be avoided:** Stable at environment temperature.
- **Conditions to avoid** No further relevant information available.
- **Incompatible materials:** strong Lewis acid
- **Hazardous decomposition products:**  
Danger of toxic fluorine based pyrolysis products.  
Hydrocarbons, CO, CO<sub>2</sub>

**11 Toxicological information**

- **Information on toxicological effects**
  - **Acute toxicity**
  - **LD/LC50 values relevant for classification:**
- | <b>17265-14-4 Disodium sebacate</b>  |      |                                  |
|--------------------------------------|------|----------------------------------|
| Oral                                 | LD50 | >5,000 mg/kg (Rat)               |
| Dermal                               | LD50 | >2,000 mg/kg (rat)               |
| <b>1305-62-0 calcium dihydroxide</b> |      |                                  |
| Oral                                 | LD50 | >2,000 mg/kg (Rat) (OECD 425)    |
| Dermal                               | LD50 | >2,000 mg/kg (Rabbit) (OECD 402) |
- **Primary irritant effect:**
  - **Skin corrosion/irritation** No irritant effects known
  - **Serious eye damage/irritation** Weakly irritant
  - **Respiratory or skin sensitisation** No sensitising effects known.

**12 Ecological information**

- **Toxicity**
  - **Aquatic toxicity:**
- | <b>17265-14-4 Disodium sebacate</b>  |                              |
|--------------------------------------|------------------------------|
| CL50-96H                             | >18 mg/l (Fish)              |
| EC50-48H (static)                    | 18 mg/l (Invertebrate)       |
| CE50 (static)                        | 38.7 mg/l (Algae) (72h)      |
| Biodegradability                     | 98 % (Biodegradability) (7d) |
| NOEC                                 | 3 mg/l /72h (Algae)          |
| <b>1305-62-0 calcium dihydroxide</b> |                              |
| CL50-96H                             | 50.6 mg/l (Fish)             |
| EC50-48H                             | 49.1 mg/l (Daphnia)          |
| CE50                                 | 184.57 mg/l /72h (Algae)     |
| NOEC                                 | 48 mg/l /72h (Algae)         |
|                                      | 32 mg/l /14d (Invertebrate)  |
- **Persistence and degradability** No further relevant information available.
  - **Behaviour in environmental systems:**
  - **Bioaccumulative potential** No further relevant information available.
  - **Mobility in soil** No further relevant information available.
  - **Additional ecological information:**
  - **General notes:**  
Water hazard class 1 (Self-assessment): slightly hazardous for water  
Do not allow product to reach ground water, water course or sewage system.
  - **Results of PBT and vPvB assessment**
  - **PBT:** Not applicable.
  - **vPvB:** Not applicable.
  - **Other adverse effects** No further relevant information available.

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**13 Disposal considerations**

- **Waste treatment methods**
- **Recommendation** Must not be disposed together with household garbage. Do not allow product to reach sewage system.
- **Uncleaned packaging:**
- **Recommendation:** Disposal must be made according to official regulations.

**14 Transport information**

· <b>UN-Number</b> · <b>ADR, ADN, IMDG, IATA</b>	Void
· <b>UN proper shipping name</b> · <b>ADR, ADN, IMDG, IATA</b>	Void
· <b>Transport hazard class(es)</b> · <b>ADR, ADN, IMDG, IATA</b> · <b>Class</b>	Void
· <b>Packing group</b> · <b>ADR, IMDG, IATA</b>	Void
· <b>Environmental hazards:</b> · <b>Marine pollutant:</b>	No
· <b>Special precautions for user</b>	Not applicable.
· <b>Transport in bulk according to Annex II of Marpol and the IBC Code</b>	Not applicable.
· <b>UN "Model Regulation":</b>	Void

**15 Regulatory information**

- **Safety, health and environmental regulations/legislation specific for the substance or mixture**
- **Directive 2012/18/EU**
- **Named dangerous substances - ANNEX I** None of the ingredients is listed.
- **Chemical safety assessment:** A Chemical Safety Assessment has not been carried out.

**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.

The above information in this safety data sheet is based on our current knowledge and experience and describes the product with regard to safety requirements. The information is in no way to be regarded as a certificate of analysis or technical data sheet or as a description of the nature of the product (product specification). An agreed quality or the suitability of the product for a specific application cannot be derived from the identified uses stated in the safety data sheet. Any industrial property rights and existing (national and international) laws and regulations must be observed by the recipient of our product on his own responsibility.

· **Relevant phrases**

H303 May be harmful if swallowed.

H313 May be harmful in contact with skin.

H315 Causes skin irritation.

H318 Causes serious eye damage.

H319 Causes serious eye irritation.

H335 May cause respiratory irritation.

· **Department issuing SDS:** see item 1· **Contact:**· **Abbreviations and acronyms:**

Acute Tox. 5: Acute toxicity – Category 5

Skin Irrit. 2: Skin corrosion/irritation – Category 2

Eye Dam. 1: Serious eye damage/eye irritation – Category 1

Serious eye damage/irritation – Category 2A: Serious eye damage/eye irritation – Category 2A

STOT SE 3: Specific target organ toxicity (single exposure) – Category 3

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