



PHC415-NP-840

## SAFETY DATA SHEET

ACCORDING TO EC-REGULATIONS 1907/2006 (REACH) & 1272/2008 (CLP)

### SECTION 1: IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND OF THE COMPANY/UNDERTAKING

- 1.1 Product identifier**  
GHS Product Identifier Not applicable.  
Chemical Name Not applicable.  
Trade name PHC415-NP-840  
CAS No. Mixture  
EINECS No. Mixture
- 1.2 Relevant identified uses of the substance or mixture and uses advised against**  
Identified use(s) Mineral Bearing Lubricant  
Uses advised against None.
- 1.3 Details of the supplier of the safety data sheet**  
Company Identification Permawick Company  
3110 Permawick Drive  
Columbus, IN, 47201 U.S.A.  
Telephone +1 (812) 376-0703  
Fax +1 (812) 372-1410  
E-Mail (competent person) sales@permawick.com  
Only Representative Experien Chemical Services (Europe) Limited  
PO Box 170  
Thirsk YO7 9AN UK  
Telephone +44 7791 573385 (UK 9am to 5pm)
- 1.4 Emergency telephone number**  
Emergency Phone No. Monday - Friday, 8 am – 4:30 p.m. (EST) (812) 376-0703  
CHEMTREC 24 hr. +1 (703) 527-3887 (Collect call accepted)

### SECTION 2: HAZARDS IDENTIFICATION

- 2.1 Classification of the substance or mixture**  
Regulation (EC) No. 1272/2008 (CLP). Not classified as dangerous for supply/use.
- 2.2 Label elements**  
Hazard Symbol None  
Signal word(s) None  
Hazard statement(s) None  
Precautionary statement(s) None
- 2.3 Other hazards** Not classified as PBT or vPvB.
- 2.4 Additional Information** None

### SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

#### 3.2 Mixtures

Regulation (EC) No. 1272/2008 (CLP).

| Hazardous ingredient(s)                                       | %W/W     | EC No. and CAS#         | According to Regulation (EC) No. 1272/2008 (CLP) |
|---|----------|-------------------------|--|
| Distillates (petroleum), solvent-dewaxed heavy paraffinic * ^ | 80 - 100 | 265-169-7<br>64742-65-0 | Not classified.                                  |

\* Contains less than 3% DMSO extractable as measured by IP 346 method. Notes H and L apply. ^ Not yet subject to REACH registration.

**3.3 Additional Information** - Substances in the product which may present a health or environmental hazard, or which have been assigned occupational exposure limits, are detailed below. **None**

For full text of H/P phrases see section 16.

**SECTION 4: FIRST AID MEASURES**



**4.1 Description of first aid measures**

|              |   |
|--------------|---|
| Inhalation   | Unlikely to be required but if necessary treat symptomatically.                         |
| Skin Contact | Wash affected skin with soap and water.   |
| Eye Contact  | Eyes should be washed with plenty of water. If symptoms occur obtain medical attention. |
| Ingestion    | Unlikely to be required but if necessary treat symptomatically.                         |

**4.2 Most important symptoms and effects, both acute and delayed**      None

**4.3 Indication of the immediate medical attention and special treatment needed**      None

**SECTION 5: FIRE-FIGHTING MEASURES**

**5.1 Extinguishing media**

|                                 |   |
|---------------------------------|---|
| -Suitable Extinguishing Media   | Extinguish with waterspray, dry chemical, sand or carbon dioxide. |
| -Unsuitable Extinguishing Media | None anticipated.   |

**5.2 Special hazards arising from the substance or mixture**      This product may give rise to hazardous fumes in a fire.

**5.3 Advice for fire-fighters**      A self contained breathing apparatus and suitable protective clothing should be worn in fire conditions.

**SECTION 6: ACCIDENTAL RELEASE MEASURES**

**6.1 Personal precautions, protective equipment and emergency procedures**      Avoid skin contact. Avoid contact with eyes.

**6.2 Environmental precautions**      Use appropriate container to avoid environmental contamination.

**6.3 Methods and material for containment and cleaning up**      Contain and cover spilled substance with dry sand or earth or other suitable dry material. Transfer to a container for disposal or recovery.

**6.4 Reference to other sections**      None

**6.5 Additional Information**      None.

**SECTION 7: HANDLING AND STORAGE**

**7.1 Precautions for safe handling**      Avoid skin contact. Avoid contact with eyes.

**7.2 Conditions for safe storage, including any incompatibilities**

|                         |                            |
|-------------------------|----------------------------|
| -Storage Temperature    | Store at room temperature. |
| -Incompatible materials | Strong oxidising agents.   |

**7.3 Specific end use(s)**      Synthetic Bearing Lubricant


**SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION**

**8.1 Control parameters**

**8.1.1 Occupational Exposure Limits**

| SUBSTANCE. | CAS No. | LTEL (8 hr TWA ppm) | LTEL (8 hr TWA mg/m <sup>3</sup> ) | STEL (ppm) | STEL (mg/m <sup>3</sup> ) | Note: |
|------------|---------|---------------------|------------------------------------|------------|---------------------------|-------|
| None known | -----   | -----               | -----                              | -----      | -----                     | ----- |

| Limit value type (country of origin) | SUBSTANCE. | CAS No. | Biological limit value | Note: |
|--------------------------------------|------------|---------|------------------------|-------|
| None known                           | -----      | -----   | -----                  | ----- |

- 8.1.2 Recommended monitoring method Not available
- 8.2 Exposure controls
  - 8.2.1 Appropriate engineering controls Not normally required.
  - 8.2.2 Personal protection equipment
    - Eye/face protection Safety spectacles.
 
    - Skin protection (Hand protection/ Other) Not normally required.
 
    - Respiratory protection Not normally required.
 
    - Thermal hazards Not normally required.
- 8.2.3 Environmental Exposure Controls Not normally required.

**SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES**

**9.1 Information on basic physical and chemical properties**

|   |                          |
|---|--------------------------|
| Appearance                                  | Fibrous                  |
| Colour.                                     | Gray                     |
| Odour                                       | Petroleum oil-like.      |
| Odour threshold (ppm)                       | Not available            |
| pH (Value)                                  | Not available            |
| Melting point (°C) / Freezing point (°C)    | Not available            |
| Boiling point/boiling range (°C):           | Not available            |
| Flash point (°C)                            | 220 [Cleveland Open cup] |
| Evaporation rate                            | Not available            |
| Flammability (solid, gas)                   | Not available            |
| Explosive limit ranges                      | Not available            |
| Vapour pressure (Pascal)                    | Not available            |
| Vapour density (Air=1)                      | Not available            |
| Density (g/ml)                              | 0.867                    |
| Solubility (Water)                          | Negligible.              |
| Solubility (Other)                          | Not available            |
| Partition coefficient (n-Octanol/water)     | Not available            |
| Auto ignition point (°C)                    | Not available            |
| Decomposition temperature (°C)              | Not available            |
| Kinematic Viscosity (cSt) @ 40°C (Base Oil) | 89                       |
| Explosive properties                        | Not explosive.           |
| Oxidising properties                        | Not oxidising.           |

9.2 Other information

Not available.

## SECTION 10: STABILITY AND REACTIVITY

|      |                                    |   |
|------|------------------------------------|---|
| 10.1 | Reactivity                         | Stable under normal conditions.                               |
| 10.2 | Chemical stability                 | Stable.   |
| 10.3 | Possibility of hazardous reactions | None anticipated.   |
| 10.4 | Conditions to avoid                | None  |
| 10.5 | Incompatible materials             | Oxidizers   |
| 10.6 | Hazardous Decomposition Product(s) | Carbon monoxide, Carbon dioxide, Nitrogen, phosphorous oxides |

## SECTION 11: TOXICOLOGICAL INFORMATION

### 11.1 Information on toxicological effects

#### 11.1.1 Substances

Not applicable

#### 11.1.2 Mixtures - By analogy with similar materials:

|                                   |                                    |
|-----------------------------------|------------------------------------|
| Acute toxicity                    | Not to be expected.                |
| Skin corrosion/irritation         | Unlikely to cause skin irritation. |
| Serious eye damage/irritation     | Unlikely to cause eye irritation.  |
| Respiratory or skin sensitization | Not to be expected.                |
| Germ cell mutagenicity            | Not to be expected.                |
| Carcinogenicity                   | Not to be expected.                |
| Reproductive toxicity             | Not to be expected.                |
| STOT - single exposure            | Not to be expected.                |
| STOT - repeated exposure          | Not to be expected.                |
| Aspiration hazard                 | Not to be expected.                |

#### 11.1.3 Substances in preparations / mixtures

Distillates (petroleum), solvent-dewaxed heavy paraffinic (CAS No. 64742-65-0)

|                |   |
|----------------|---|
| Acute toxicity | LD50 > 5000 mg/kg (rat)<br>LC50 = 2.18 mg/l (4 hour(s)) (rat)<br>LD50 > 2000 mg/kg (rabbit) |
|----------------|---|

|                                   |                              |
|-----------------------------------|------------------------------|
| Skin corrosion/irritation         | Non-irritant.                |
| Serious eye damage/irritation     | Non-irritant.                |
| Respiratory or skin sensitization | It is not a skin sensitizer. |
| Germ cell mutagenicity            | Negative                     |
| Carcinogenicity                   | Negative                     |
| Reproductive toxicity             | Not to be expected.          |
| STOT - single exposure            | Not to be expected.          |
| STOT - repeated exposure          | Not to be expected.          |
| Aspiration hazard                 | Not applicable               |

#### 11.2 Other information

None known.

## SECTION 12: ECOLOGICAL INFORMATION

### 12.1 Toxicity

#### Substances in preparations / mixtures

Distillates (petroleum), solvent-dewaxed heavy paraffinic (CAS No. 64742-65-0)

|                |  |
|----------------|--|
| Acute toxicity | NOEL ≥ 100 mg/l (96 hour) ( <i>P. promelas</i> )<br>NOEL ≥ 10,000 mg/l (96 hour) ( <i>G. pulex</i> ) |
| Long Term      | NOEL ≥ 100 mg/l (72 hour) ( <i>P. subcapitata</i> )<br>NOEL = 10 mg/l (21 days) ( <i>D. magna</i> )  |

#### 12.2 Persistence and degradability

There is evidence of degradation in soil and water.

#### 12.3 Bioaccumulative potential

The substance has low potential for bioaccumulation.

#### 12.4 Mobility in soil

The product has low mobility in soil.

#### 12.5 Results of PBT and vPvB assessment

Not classified as PBT or vPvB.



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12.6 Other adverse effects None known.

## SECTION 13: DISPOSAL CONSIDERATIONS

- 13.1 Waste treatment methods Disposal should be in accordance with local, state or national legislation. Consult an accredited waste disposal contractor or the local authority for advice.
- 13.2 Additional Information None known.

## SECTION 14: TRANSPORT INFORMATION

|                              | <u>Land transport<br/>(ADR/RID)</u>        | <u>Sea transport<br/>(IMDG)</u> | <u>Air transport<br/>(ICAO/IATA)</u> |
|------------------------------|--|---------------------------------|--------------------------------------|
| UN number                    |  |                                 |                                      |
| Proper Shipping Name         | Not classified as dangerous for transport. |                                 |                                      |
| Transport hazard class(es)   |  |                                 |                                      |
| Packing group                |  |                                 |                                      |
| Environmental hazards        |  |                                 |                                      |
| Special precautions for user |  |                                 |                                      |

Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code: Not applicable

## SECTION 15: REGULATORY INFORMATION

- 15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture:
  - 15.1.1 EU regulations Listed
    - Regulation (EC) 2037/2000 - Dangerous to the ozone layer. No.
    - Regulation (EC) 850/2004 - Persistent Organic Pollutants No.
    - Regulation (EC) 689/2008 - Export/Import of Dangerous Chemicals No.
    - Regulation (EC) 1907/2006 - REACH Authorisations and/or restrictions on use No.
  - 15.1.2 National regulations Not established.
- 15.2 Chemical Safety Assessment Not applicable

## SECTION 16: OTHER INFORMATION

The following sections contain revisions or new statements: 2, 3, 11, 16.

Hazard statement(s) and Precautionary statement(s):  
- Not applicable

GHS Classification  
- Not classified as dangerous for supply/use.

Training advice: None.

Additional Information: None.

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