



# 284 Anti-Leak Oil

## 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             | 284 Anti-Leak Oil |
| 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<br>3110 Permawick Drive<br>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<br>PO Box 170<br>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<br>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 * ^ | 60 - 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 <b>Extinguishing media</b>                                   |  |
| -Suitable Extinguishing Media                                    | Extinguish with waterspray, dry chemical, sand or carbon dioxide.  |
| -Unsuitable Extinguishing Media                                  | None anticipated.  |
| 5.2 <b>Special hazards arising from the substance or mixture</b> | This product may give rise to hazardous fumes in a fire.   |
| 5.3 <b>Advice for fire-fighters</b>                              | A self contained breathing apparatus and suitable protective clothing should be worn in fire conditions. |

## SECTION 6: ACCIDENTAL RELEASE MEASURES

|  |  |
|--|--|
| 6.1 <b>Personal precautions, protective equipment and emergency procedures</b> | Avoid skin contact. Avoid contact with eyes.   |
| 6.2 <b>Environmental precautions</b>   | Use appropriate container to avoid environmental contamination.  |
| 6.3 <b>Methods and material for containment and cleaning up</b>                | 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 <b>Reference to other sections</b>   | None   |
| 6.5 <b>Additional Information</b>  | None.  |

## SECTION 7: HANDLING AND STORAGE



|   |  |
|---|--|
| 7.1 <b>Precautions for safe handling</b>                                | Avoid skin contact. Avoid contact with eyes. |
| 7.2 <b>Conditions for safe storage, including any incompatibilities</b> |  |
| -Storage Temperature  | Store at room temperature.                   |
| -Incompatible materials   | Strong oxidising agents.                     |
| 7.3 <b>Specific end use(s)</b>  | 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                           | -----      | -----   | -----                  | ----- |

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

## SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

### 9.1 Information on basic physical and chemical properties

|  |                          |
|--|--------------------------|
| Appearance                               | Liquid                   |
| Colour.                                  | Amber                    |
| Odour                                    | Fuel 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)                         | 215 [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)                           | 0.88                     |
| 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         | 126.6                    |
| Explosive properties                     | Not explosive.           |
| Oxidising properties                     | Not oxidising.           |

|                              |                |
|------------------------------|----------------|
| <b>9.2 Other information</b> | Not available. |
|------------------------------|----------------|



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## 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 $\geq$ 100 mg/l (96 hour) ( <i>P. promelas</i> )<br>NOEL $\geq$ 10,000 mg/l (96 hour) ( <i>G. pulex</i> ) |
| Long Term      | NOEL $\geq$ 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.

#### 12.6 Other adverse effects

None known.



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## 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

|                              | Land transport<br>(ADR/RID) | Sea transport<br>(IMDG)                    | Air transport<br>(ICAO/IATA) |
|------------------------------|-----------------------------|--|------------------------------|
| 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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