



280-NP-850

SAFETY DATA SHEET

According to Directive 67/548/EEC & Directive 1999/45/EC

SECTION 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

1.1 Product identifier

| | |
|------------------------|-----------------|
| GHS Product Identifier | Not applicable. |
| Chemical Name | Not applicable. |
| Trade name | 280-NP-850 |
| 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 Colombus, IN, 47201 |
| 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) +1 (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

| | |
|---|----------------|
| Directive 67/548/EEC & Directive 1999/45/EC | Not classified |
|---|----------------|

2.2 Label elements

| | |
|----------------|------|
| Hazard Symbol | None |
| Risk Phrases | None |
| Safety Phrases | 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

| Hazardous ingredient(s) | %W/W | CAS No. | REACH Registration No. | Classification According to Regulation (EC) No 1278/2008 (CLP) | Classification According to 67/548/EEC |
|--|--------|------------|------------------------|--|--|
| Distillates (petroleum), solvent-dewaxed heavy paraffinic* | 60-100 | 64742-65-0 | Not applicable^ | Not classified. | Not classified. |

Other Substances in the product which may present a health or environmental hazard, or which have been assigned occupational exposure limits, are detailed below.: None

* Contains less than 3% DMSO extractable as measured by IP 346 method. Notes H and L apply.

^ Not yet subject to registration or is exempt.

3.3 Additional Information

For full text of R 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 any 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** Not normally required
- 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** None
- 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)** Lubricating agent

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 ³) | STEL (ppm) | STEL (mg/m ³) | Note: |
|------------|---------|---------------------|------------------------------------|------------|---------------------------|-------|
| None | ---- | ---- | ---- | ---- | ---- | |

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

- 8.1.2 **Recommended monitoring method** None
- 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 | 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) | 213 [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) | 0.87 |
| 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 | 58 |
| 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 |

SECTION 11: TOXICOLOGICAL INFORMATION

11.1 Information on toxicological effects

11.1.1 Substances

Not applicable

11.1.2 Mixtures

| | |
|------------------------|----------------|
| Acute toxicity | Not available. |
| Irritation | Not available. |
| Corrosivity | Not available. |
| Sensitisation | Not available. |
| Repeated dose toxicity | Not available. |
| Carcinogenicity | Not available. |



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Mutagenicity Not available.
Toxicity for reproduction Not available.

11.1.3 Substances in preparations / mixtures

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

Acute toxicity
-Ingestion LD50 > 5000 mg/kg (rat)
-Inhalation LC50 = 2.18 mg/l (4 hour(s)) (rat)
-Dermal LD50 > 2000 mg/kg (rabbit)
-Irritation Non-irritant.

Sensitisation
It is not a skin sensitiser.

Repeated dose toxicity
Oral NOAEL < 125 mg/kg (rat)
Inhalation NOAEL > 980 mg/m³
Dermal NOAEL = 1000 mg/kg (rabbit)

Mutagenicity
Carcinogenicity
Negative
Negative

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
Fish NOEL \geq 100 mg/l (96 hour) (*P. promelas*)
Aquatic invertebrates: NOEL \geq 10,000 mg/l (96 hour) (*G. pulex*)

Long Term
Algae NOEL \geq 100 mg/l (72 hour) (*P. subcapitata*)
Aquatic invertebrates: NOEL = 10 mg/l (21 days) (*D. magna*)
Microorganisms NOEL > 2.17 mg/l (4 days)

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.

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

14.1 Land transport (ADR/RID) Not classified as dangerous for transport.
UN number
Proper Shipping Name
Transport hazard class(es)
Packing Group
Hazard label(s)
Environmental hazards
Special precautions for user

14.2 Sea transport (IMDG) Not classified as dangerous for transport.
UN number
Proper Shipping Name



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Transport hazard class(es)
Packing Group
Marine Pollutant
Special precautions for user

- 14.3 Air transport (ICAO/IATA)** Not classified as dangerous for transport.
UN number
Proper Shipping Name
Transport hazard class(es)
Packing Group
Environmental hazards
Special precautions for user
- 14.4 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

Classification of the substance or mixture
According to Regulation (EC) No. 1272/2008 (CLP): Not classified

Label elements

| | |
|----------------------------|------|
| GHS Product Identifier | None |
| Hazard pictogram(s) | None |
| Signal word(s) | None |
| Hazard statement(s) | None |
| Precautionary statement(s) | None |

Additional Information None

The following sections contain revisions or new statements: 1-16.

Risk Phrases and Safety Phrases: Not applicable

Training advice: None.

Additional Information: None.

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