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

1.1 Product identifier

Trade name: PROTEAN WD ANTI-RUST AGENT
Article number: F416

1.2 Relevant identified uses of the substance or mixture and uses advised against

Use of substance / mixture: PC24: Lubricants, greases, release products.

1.3 Details of the supplier of the safety data sheet

Manufacturer/Supplier: TYGRIS Industrial
Unit 31
Kyle Road Industrial Estate
Irvine
Ayrshire
KA12 8LE
Tel +44 (0) 1294 311 066
Fax +44 (0) 1294 277 115
Email technical@tygrisindustrial.com

Further information obtainable from: Technical Department

1.4 Emergency telephone number: Tel +44 (0) 1294 311 066
2. Hazards identification

2.1. Classification of the substance or mixture

Classification under CLP:
STOT SE 3: H336; Aquatic Chronic 2: H411; Eye Irrit. 2: H319;
Flam. Aerosol 1: H222; -: H229

Most important adverse effects:
Extremely flammable aerosol. Pressurised container: May burst if heated. Causes skin irritation. Causes serious eye irritation. May cause drowsiness or dizziness. Very toxic to aquatic life. Very toxic to aquatic life with long lasting effects.

2.2. Label elements

Hazard statements:
H222: Extremely flammable aerosol.
H229: Pressurised container: May burst if heated
H319: Causes serious eye irritation.
H336: May cause drowsiness or dizziness.
H411: Toxic to aquatic life with long lasting effects.

Hazard pictograms:
GHS02: Flame
GHS07: Exclamation mark
GHS09: Environmental

Signal word: Danger

Precautionary statements:
P102: Keep out of reach of children.
P210: Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
P211: Do not spray on an open flame or other ignition source.
P251: Do not pierce or burn, even after use.
P280: Wear protective gloves/protective clothing/eye protection/face protection.
P410+412: Protect from sunlight. Do not expose to temperatures exceeding 50ºC.

2.3. Other hazards

Other hazards:
In use, may form flammable / explosive vapour-air mixture.

PBT:
This product is not identified as a PBT/vPvB substance.

3. Composition/information on ingredients

3.2. Mixtures

Hazardous ingredients:
ISOPAR G - REACH registered number(s): 01-2119471991-29

<table>
<thead>
<tr>
<th>EINECS</th>
<th>CAS</th>
<th>PBT / WEL</th>
<th>CLP Classification</th>
<th>Percent</th>
</tr>
</thead>
<tbody>
<tr>
<td>923-037-2</td>
<td>-</td>
<td>-</td>
<td>Aquatic Chronic 2: H411; Asp. Tox. 1: 30-50% H304; Flam. Liq. 3: H226</td>
<td>30-50%</td>
</tr>
<tr>
<td>200-661-7</td>
<td>67-63-0</td>
<td>-</td>
<td>Flam. Liq. 2: H225; Eye Irrit. 2: H319; STOT SE 3: H336</td>
<td>10-30%</td>
</tr>
</tbody>
</table>
4. First aid measures

4.1. Description of first aid measures

Skin contact: Remove all contaminated clothes and footwear immediately unless stuck to skin. Drench the affected skin with running water for 10 minutes or longer if substance is still on skin.

Eye contact: Bathe the eye with running water for 15 minutes. Consult a doctor.

Ingestion: Do not induce vomiting. Consult a doctor.

Inhalation: Move to fresh air in case of accidental inhalation of vapours.

4.2. Most important symptoms and effects, both acute and delayed

Skin contact: No data available.

Eye contact: No data available.

Ingestion: No data available.

Inhalation: No data available.

Delayed / immediate effects: No data available.

4.3. Indication of any immediate medical attention and special treatment needed

Immediate / special treatment: Not applicable.

5. Firefighting measures

5.1 Extinguishing media

Extinguishing media: Suitable extinguishing media for the surrounding fire should be used.

5.2. Special hazards arising from the substance or mixture

Exposure hazards: Extremely flammable. In combustion emits toxic fumes. Forms explosive air-vapour mixture. Vapour may travel considerable distance to source of ignition and flash back.

5.3. Advice for fire-fighters

Advice for fire-fighters: Wear self-contained breathing apparatus. Wear protective clothing to prevent contact with skin and eyes.
6. Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Personal precautions: Refer to section 8 of SDS for personal protection details. Eliminate all sources of ignition. If outside do not approach from downwind.

6.2. Environmental precautions

Environmental precautions: Do not discharge into drains or rivers. Contain the spillage using bunding.

6.3. Methods and material for containment and cleaning up

Clean-up procedures: Absorb into dry earth or sand. Do not use equipment in clean-up procedure which may produce sparks. Clean-up should be dealt with only by qualified personnel familiar with the specific substance.

6.4. Reference to other sections

Reference to other sections: Refer to section 8 of SDS.

7. Handling and storage

7.1. Precautions for safe handling

Handling requirements: Ensure there is sufficient ventilation of the area. Do not handle in a confined space. Smoking is forbidden. Use non-sparking tools.

7.2. Conditions for safe storage, including any incompatibilities

Storage conditions: Store in a cool, well ventilated area. Keep container tightly closed. Keep away from direct sunlight. Keep away from sources of ignition.

Suitable packaging: Must only be kept in original packaging.

7.3. Specific end use(s)

Specific end use(s): No data available.
8. Exposure controls/personal protection

8.1. Control parameters

Hazardous ingredients:
PROPN-2-OL

<table>
<thead>
<tr>
<th>Workplace exposure limits:</th>
<th>Respirable dust:</th>
</tr>
</thead>
<tbody>
<tr>
<td>State</td>
<td>8 hour TWA</td>
</tr>
<tr>
<td>UK</td>
<td>999 mg/m³</td>
</tr>
</tbody>
</table>

DNEL/PNEC Values

DNEL / PNEC: No data available.

8.2. Exposure controls

Engineering measures: Ensure there is sufficient ventilation of the area. Ensure lighting and electrical equipment are not a source of ignition.

Respiratory equipment: Respiratory protection not required.

Hand protection: Chemically resistant gloves.

Eye protection: Safety glasses. Ensure eye bath is to hand.

Skin protection: Protective clothing.

Environmental: Prevent from entering in public sewers or the immediate environment.

9. Physical and chemical properties

9.1. Information on basic physical and chemical properties

State: Aerosol

Colour: White

Odour: Characteristic odour

Solubility in water: Insoluble

Also soluble in: Most organic solvents

Flash point°C: -60

Relative density: 0.76

9.2. Other information

Other information: No data available.
10. Stability and reactivity

10.1. Reactivity
Reactivity: Stable under recommended transport or storage conditions.

10.2. Chemical stability
Chemical stability: Stable under normal conditions. Stable at room temperature.

10.3. Possibility of hazardous reactions
Hazardous reactions: Hazardous reactions will not occur under normal transport or storage conditions.

10.4. Conditions to avoid

10.5. Incompatible materials
Materials to avoid: Strong oxidising agents. Strong acids.

10.6. Hazardous decomposition products
Haz. decomp. products: In combustion emits toxic fumes.

11. Toxicological information

11.1. Information on toxicological effects
Hazardous ingredients:

<table>
<thead>
<tr>
<th>Heptane</th>
<th>Dermal Route</th>
<th>LD50</th>
<th>RBT</th>
<th>&gt;2000 mg/kg</th>
</tr>
</thead>
<tbody>
<tr>
<td>ORAL</td>
<td>Oral Route</td>
<td>LD50</td>
<td>RAT</td>
<td>&gt;2000 mg/kg</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Propan-2-OL</th>
<th>IVN Route</th>
<th>LD50</th>
<th>RAT</th>
<th>1088 mg/kg</th>
</tr>
</thead>
<tbody>
<tr>
<td>ORL</td>
<td>ORL Route</td>
<td>LD50</td>
<td>MUS</td>
<td>3600 mg/kg</td>
</tr>
<tr>
<td>ORL</td>
<td>SCU Route</td>
<td>LDLO</td>
<td>MUS</td>
<td>6 gm/kg</td>
</tr>
</tbody>
</table>

Relevant hazards for product:

<table>
<thead>
<tr>
<th>Hazard</th>
<th>Route</th>
<th>Basis</th>
</tr>
</thead>
<tbody>
<tr>
<td>Serious eye damage/irritation</td>
<td>OPT</td>
<td>Hazardous: calculated</td>
</tr>
<tr>
<td>STOT-single exposure</td>
<td>-</td>
<td>Hazardous: calculated</td>
</tr>
</tbody>
</table>

Symptoms / routes of exposure

Skin contact: No data available.
Eye contact: No data available.
Ingestion: No data available.
Inhalation: No data available.
Delayed / immediate effects: No data available.
Other information: Not applicable.
### 12. Ecological information

#### 12.1. Toxicity
Ecotoxicity values: No data available.

#### 12.2. Persistence and degradability
Persistence and degradability: No data available.

#### 12.3. Bioaccumulative potential
Bioaccumulative potential: No data available.

#### 12.4. Mobility in soil
Mobility: No data available.

#### 12.5. Results of PBT and vPvB assessment
PBT identification: This product is not identified as a PBT/vPvB substance.

#### 12.6. Other adverse effects
Other adverse effects: Toxic to aquatic organisms.

### 13. Disposal considerations

#### 13.1. Waste treatment methods

- **Disposal operations:** Transfer to a suitable container and arrange for collection by specialised disposal company.
- **Recovery operations:** Not applicable.
- **Disposal of packaging:** Not applicable.

**NB:** The user's attention is drawn to the possible existence of regional or national regulations regarding disposal.
14. Transport information

14.1. UN number
UN number: UN1950

14.2. UN proper shipping name
Shipping name: AEROSOLS

14.3. Transport hazard class(es)
Transport class: 2

14.4. Packing group

14.5. Environmental hazards
Environmentally hazardous: Yes
Marine pollutant: No

14.6. Special precautions for user
Special precautions: No special precautions.
Tunnel code: D
Transport category: 2

15. Regulatory information

15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture
Specific regulations: Not applicable.

15.2. Chemical safety assessment
Chemical safety assessment: A chemical safety assessment has not been carried out for the substance or the mixture by the supplier.

16. Other information

Other information: This safety data sheet is prepared in accordance with Commission Regulation (EU) No 2015/830.

Phrases used in s.2 and s.3:
H222: Extremely flammable aerosol.
H225: Highly flammable liquid and vapour.
H226: Flammable liquid and vapour.
H229: Pressurised container: May burst if heated
H304: May be fatal if swallowed and enters airways.
H319: Causes serious eye irritation.
H336: May cause drowsiness or dizziness.
H411: Toxic to aquatic life with long lasting effects.

Legal disclaimer: The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. This company shall not be held liable for any damage resulting from handling or from contact with the above product.