

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

### 1.1. Product identifier

Trade name: **PROTEAN Chain & Gear 460**  
Article number: **TF5505**  
Supplier Product Code **1039**

### 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  
Email [technical@tygrisindustrial.com](mailto:technical@tygrisindustrial.com)

Further information obtainable from: Technical Department

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

## SECTION 2: Hazards identification

### 2.1. Classification of the substance or mixture

Classification under CLP: This product has no classification under CLP.

2.2. Label elements This product has no label elements.

### 2.3. Other hazards

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

## SECTION 3: Composition/information on ingredients

### 3.2. Mixtures

#### SECTION 4: First aid measures

##### 4.1. Description of first aid measures

<b>Skin contact:</b>	Wash immediately with plenty of soap and water.
<b>Eye contact:</b>	Bathe the eye with running water for 15 minutes.
<b>Ingestion:</b>	Wash out mouth with water. Do not induce vomiting.
<b>Inhalation:</b>	Not applicable.

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

<b>Skin contact:</b>	There may be mild irritation at the site of contact.
<b>Eye contact:</b>	There may be irritation and redness.
<b>Ingestion:</b>	There may be irritation of the throat.
<b>Inhalation:</b>	No symptoms.

<b>Delayed / immediate effects:</b>	Continuous skin contact may cause skin sensitivity and dermatitis.
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##### 4.3. Indication of any immediate medical attention and special treatment needed

<b>Immediate / special treatment:</b>	Not applicable.
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#### SECTION 5: Firefighting measures

##### 5.1. Extinguishing media

<b>Extinguishing media:</b>	Suitable extinguishing media for the surrounding fire should be used. Use water spray to cool containers.
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##### 5.2. Special hazards arising from the substance or mixture

<b>Exposure hazards:</b>	In combustion emits toxic fumes of carbon dioxide / carbon monoxide.
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##### 5.3. Advice for firefighters

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

##### 6.1. Personal precautions, protective equipment and emergency procedures

<b>Personal precautions:</b>	Refer to section 8 of SDS for personal protection details. Turn leaking containers leakerside up to prevent the escape of liquid.
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##### 6.2. Environmental precautions

<b>Environmental precautions:</b>	Do not discharge into drains or rivers. Contain the spillage using bunding.
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##### 6.3. Methods and material for containment and cleaning up

<b>Clean-up procedures:</b>	Absorb into dry earth or sand. Transfer to a closable, labelled salvage container for disposal by an appropriate method.
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##### 6.4. Reference to other sections

<b>Reference to other sections:</b>	Refer to section 8 of SDS
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## SECTION 7: Handling and storage

### 7.1. Precautions for safe handling

**Handling requirements:** Avoid direct contact with the substance.

### 7.2. Conditions for safe storage, including any incompatibilities

**Storage conditions:** Store in a cool, well ventilated area. Keep container tightly closed. Not

**Suitable packaging:** applicable.

### 7.3. Specific end use(s)

**Specific end use(s):** PC24: Lubricants, greases, release products.

## SECTION 8: Exposure controls/personal protection

### 8.1. Control parameters

**Workplace exposure limits:** No data available.

#### DNEL/PNEC Values

**DNEL / PNEC:** No data available.

### 8.2. Exposure controls

**Engineering measures:** Not applicable.

**Respiratory protection:** Respiratory protection not required.

**Hand protection:** Protective gloves.

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

**Skin protection:** Protective clothing.

**Environmental:** No special requirement.

## SECTION 9: Physical and chemical properties

### 9.1. Information on basic physical and chemical properties

**State:** Oil

**Colour:** Colourless

**Odour:** Odourless

**Solubility in water:** Insoluble

**Kinematic viscosity:** 460

**Viscosity test method:** Kinematic viscosity in 10-6 m2/s at 40°C (ISO 3219)

**Autoflammability°C:** >200

**Flash point°C:** >200

**Relative density:** 0.86

### 9.2. Other information

**Other information:** Not applicable

## SECTION 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.

### 10.3. Possibility of hazardous reactions

**Hazardous reactions:** Hazardous reactions will not occur under normal transport or storage conditions. Decomposition may occur on exposure to conditions or materials listed below.

### 10.4. Conditions to avoid

**Conditions to avoid:** Heat.

### 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 of carbon dioxide / carbon monoxide.

## SECTION 11: Toxicological information

### 11.1. Information on toxicological effects

**Toxicity values:** No data available.

#### Symptoms / routes of exposure

**Skin contact:** There may be mild irritation at the site of contact.

**Eye contact:** There may be irritation and redness.

**Ingestion:** There may be irritation of the throat.

**Inhalation:** No symptoms.

**Delayed / immediate effects:** Continuous skin contact may cause skin sensitivity and dermatitis.

**Other information:** Not applicable.

## SECTION 12: Ecological Information

### 12.1. Toxicity

**Ecotoxicity values:** No data available.

### 12.2. Persistence and degradability

**Persistence and degradability:** Biodegradable.

### 12.3. Bioaccumulative potential

**Bioaccumulative potential:** No bioaccumulation potential.

### 12.4. Mobility in soil

**Mobility:** Readily absorbed into soil.

### 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:** Negligible ecotoxicity.

## SECTION 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:** Arrange for collection by specialised disposal company.

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

## SECTION 14: Transport Information

**Transport class:** This product does not require a classification for transport.

## SECTION 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

**SECTION 16: Other Information**

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

**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.