

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

**1.1. Product identifier**

Trade name: **PROTEAN Chain & Gear 460**  
Article number: **TF5599**

**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

**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**

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

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

**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.

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

**Immediate / special treatment:** Not applicable.

**SECTION 5: Firefighting measures**

**5.1. Extinguishing media**

**Extinguishing media:** Suitable extinguishing media for the surrounding fire should be used. Use water spray to cool containers.

**5.2. Special hazards arising from the substance or mixture**

**Exposure hazards:** In combustion emits toxic fumes of carbon dioxide / carbon monoxide.

**5.3. Advice for firefighters**

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

**SECTION 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. Turn leaking containers leaside up to prevent the escape of liquid.

**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. Transfer to a closable, labelled salvage container for disposal by an appropriate method.

**6.4. Reference to other sections**

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

**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.