

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

##### 1.1 Product identifier

Trade name: **PROTEAN 3H1 GREASE**

Article number: **TF3005**

##### 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](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

**Skin contact:** Y æ 0Ä { ^ãæ^ Á ðÖ | ^ } c Á -Á [ æ Ä] áÁ æ^É  
**Eye contact:** Óæ@Á@Á^Á ðÖ } } ä \* Á æ^Á | Á | Á ä ~ c • É  
**Ingestion:** Y æ 0Ä ~ 0Ä [ ~ cÄ ðÖ æ^ÉÖ [ Á [ 0Ä ä ~ & Á [ { ää \* ÉÖ [ } ~ | 0Ä [ & | É  
**Inhalation:** P [ 0Ä ] | ææ^É

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

**Skin contact:** V@!^Á æ Á^Á äáÁ | äæ } Áæ@Á æ Á -Á } æÉ  
**Eye contact:** V@!^Á æ Á^Á | äæ } Á äÁ^á ) ^ • ÉV@!^Á æ Á  
**Ingestion:** à^Á | äæ } Á -Á @ Á @ | æÉ  
**Inhalation:** P [ 0Ä ] | ææ^É  
**Delayed / immediate effects:** Ö [ ] ä ~ [ ~ • Á \ ä | } æÉ æ Áæ • ^ Á \ ä ^ ) • ää ä ä áÁ^ | { ææ É

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

**Immediate / special treatment:** P [ 0Ä ] | ææ^É

#### SECTION 5: Firefighting measures

##### 5.1 Extinguishing media

**Extinguishing media:** Ü ~ ææ^Á cä \* ~ ä @ \* Á ^ãæ^ | Á @ Á !! [ ~ ] ää \* ÁáÁ @ ~ | áÁ^Á • ^ äÉV^Á æ^Á | æ Á Á & [ | Á ] æ ^ • ÉÖæä [ ] Á ä æ^É

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

**Exposure hazards:** ÖÄ { ä ~ cä } Á { æ Á cÄ { ^ Á -Áæä [ ] Á ä æ^Áæä [ ] Á [ ] | cæ^É

##### 5.3. Advice for firefighters

**Advice for fire-fighters:** Y ^æÁ^ | É [ ] æ ^ áÁ^ æ @ \* Á } ææ • ÉV ^æÁ | [ c & c ^ Á [ c @ \* Á | ^ c ^ ) 0Ä ] æÉ , æ \ ä ä áÁ^ • É

#### SECTION 6: Accidental release measures

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

**Personal precautions:** Ü ^ - Á | Á ^ & cä } Á Á -ÁÜÖÜÉ | Á ^ • [ ] æ Á | [ c & cä } Á ^ ææ • ÉV ! ) Á ^ æ ä \* Á } æ ^ • Á | æ • æ^Á | Á | ^ c ^ ) Á @ Á • æ ^ Á -Á ~ æÉ

##### 6.2. Environmental precautions

**Environmental precautions:** Ö [ Á [ 0Ä & @ \* ^ Á d Á | æ • Á | Áæ^ • ÉÖ [ ] æ Á @ Á | äæ^Á • ä \* Á ~ } ää \* É

##### 6.3. Methods and material for containment and cleaning up

**Clean-up procedures:** Öá • [ | áÁ d Á | ^ Á æ cÄ | Á ä äÉV | ä • - Á | Á æ [ • æ | Éæ^ | ^ á Á æ cæ ^ Á ] æ ^ Á | Á | [ • æ Á à ^ Á ä } | [ ] | æ Á ^ c ä É

##### 6.4. Reference to other sections

**Reference to other sections:** Ü ^ - Á | Á ^ & cä } Á Á -ÁÜÖÜÉ

**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 away from sources of ignition. Keep container tightly closed.

**Suitable packaging:** Not 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 equipment:** Respiratory protection not required.

**Hand protection:** Protective gloves.

**Eye protection:** Safety glasses.

**Skin protection:** Protective clothing.

**Environmental:** No special requirement.

**SECTION 9: Physical and chemical properties**
**9.1. Information on basic physical and chemical properties**

**State:** Grease

**Colour:** Off-white

**Odour:** Odourless

**Melting point/range°C:** >150

**Flash point°C:** >200

**Autoflammability°C:** >200

**Relative density:** 0.98

**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. Sources of ignition. Flames.

**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:** Not applicable.

**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 in part only.

**12.3. Bioaccumulative potential**

**Bioaccumulative potential:** Slightly bioaccumulable.

**12.4. Mobility in soil**

**Mobility:** Insoluble in water. 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:** Dispose of as normal industrial waste.

**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.