

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

##### 1.1 Product identifier

**Trade name:** PROTEAN SYNTHETIC CHAIN LUBRICANT

**Article number:** F477

##### 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  
31 Kyle Road Industrial Estate  
Irvine  
KA12 8LE  
Tel +44 (0) 1294 311 066  
Email [technical@tygrisindustrial.com](mailto:technical@tygrisindustrial.com)  
  
Technical Department

**Further information  
obtainable from:**

**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:** Flam. Aerosol 1: H222; -: H229

**Most important adverse  
effects:** Extremely flammable aerosol. Pressurised container: May burst if heated.

##### 2.2. Label elements

**Hazard statements:** H222: Extremely flammable aerosol.  
H229: Pressurised container: May burst if heated

**Hazard pictograms:** GHS02: Flame



**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.  
P410+412: Protect from sunlight. Do not expose to temperatures exceeding 50°C.

##### 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.

### SECTION 3: Composition/information on ingredients

#### 3.2. Mixtures

##### Hazardous ingredients:

##### PROPANE

EINECS	CAS	PBT / WEL	CLP Classification	Percent
200-827-9	74-98-6	Substance with a Community workplace exposure limit.	Flam. Gas 1: H220; Press. Gas: H280	10-30%

##### BUTANE

203-448-7	106-97-8	Substance with a Community workplace exposure limit.	Flam. Gas 1: H220; Press. Gas: H280	1-10%
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##### ISOBUTANE

200-857-2	75-28-5	Substance with a Community workplace exposure limit.	Flam. Gas 1: H220; Press. Gas: H280	1-10%
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### SECTION 4: First aid measures

#### 4.1. Description of first aid measures

<b>Skin contact:</b>	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.
<b>Eye contact:</b>	Bathe the eye with running water for 15 minutes. Consult a doctor.
<b>Ingestion:</b>	Do not induce vomiting. Wash out mouth with water. Consult a doctor.
<b>Inhalation:</b>	Move to fresh air in case of accidental inhalation of vapours.

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

<b>Skin contact:</b>	No data available.
<b>Eye contact:</b>	No data available.
<b>Ingestion:</b>	No data available.
<b>Inhalation:</b>	No data available.

**Delayed / immediate effects:** No data available.

#### 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

**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.

## 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. 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.

## SECTION 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.

#### SECTION 8: Exposure controls/personal protection

##### 8.1. Control parameters

###### Hazardous ingredients:

PROPANE

###### Workplace exposure limits:

###### Respirable dust:

State	8 hour TWA	15 min. STEL	8 hour TWA	15 min. STEL
UK	1800 mg/m <sup>3</sup>	7200 mg/m <sup>3</sup>	-	-

###### BUTANE

UK	1450 mg/m <sup>3</sup>	1810 mg/m <sup>3</sup>	-	-
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###### ISOBUTANE

UK	2400 mg/m <sup>3</sup>	9600 mg/m <sup>3</sup>	-	-
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##### 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.

#### SECTION 9: Physical and chemical properties

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

###### State:

Aerosol

###### Colour:

Colourless

###### Odour:

Characteristic odour

###### Flash point°C:

-60

##### 9.2. Other information

###### Other information:

No data available.

## 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. 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

**Conditions to avoid:** Direct sunlight. Heat. Hot surfaces. 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.

## SECTION 11: Toxicological information

### 11.1. Information on toxicological effects

**Toxicity values:** No data available.

**Symptoms / routes of exposure** No data available.

**Skin contact:** No data available.

**Eye contact:** No data available.

**Ingestion:** No data available.

**Inhalation:** No data available.

**Delayed / immediate effects:**

**Other information:** Not applicable.

## SECTION 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.

## 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:** Not applicable.

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

**SECTION 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: No

Marine pollutant: No

**14.6. Special precautions for user**

Special precautions: No special precautions.

Tunnel code: D

Transport category: 2

**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**

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

**SECTION 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:**

 H220: Extremely flammable gas.  
 H222: Extremely flammable aerosol.  
 H229: Pressurised container: May burst if heated.

**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.