

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

### 1.1 Product identifier

Trade name: **HEAVY DUTY OPEN GEAR GREASE**  
Article number: **TG7712**  
Supplier Product Code **1267**

### 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  
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

### 2.3. Other hazards

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



## SECTION 3: Composition/information on ingredients

### 3.2. Mixtures

#### Hazardous ingredients:

BENZENESULFONIC ACID, C10-16-ALKYL DERIVS., CALCIUM SALTS - REACH registered number(s): 01-2119492627-25-0001

EINECS	CAS	PBT / WEL	CLP Classification	Percent
271-529-4	68584-23-6	-	Skin Sens. 1B: H317	1-10%

SULFONIC ACIDS, PETROLEUM, CALCIUM SALTS - REACH registered number(s): 01-2119488992-18-0001

263-093-9	61789-86-4	-	Skin Sens. 1B: H317	1-10%
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BENZENESULFONIC ACID, MONO-C16-24-ALKYL DERIVS., CALCIUM SALTS - REACH registered number(s): 01-2119492616-28-0004

274-263-7	70024-69-0	-	Skin Sens. 1B: H317	1-10%
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BUTYLATED HYDROXYTOLUENE - REACH registered number(s): 01-2119565113-46-XXXX

204-881-4	128-37-0	-	Aquatic Acute 1: H400; Aquatic Chronic 1: H410	<1%
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#### 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. Consult a doctor.
<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>	Not applicable.
<b>Delayed / immediate effects:</b>	Continuous skin contact may cause skin sensitivity and dermatitis.

##### 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. Carbon dioxide.
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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 fire-fighters

<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

**Personal precautions:** Refer to section 8 of SDS for personal protection details. Turn leaking containers leakside 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 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

### Hazardous ingredients:

#### BENZENESULFONIC ACID, C10-16-ALKYL DERIVS., CALCIUM SALTS

Type	Exposure	Value	Population	Effect
DNEL	Inhalation	11.75 mg/M3	Workers	Systemic
DNEL	Dermal	3.33 mg/kg	Workers	Systemic
DNEL	Dermal	1.03 mg/cm2	Workers	Systemic

#### SULFONIC ACIDS, PETROLEUM, CALCIUM SALTS

Type	Exposure	Value	Population	Effect
DNEL	Inhalation	11.75 mg/M3	Workers	Systemic
DNEL	Dermal	3.33 mg/kg	Workers	Systemic
DNEL	Dermal	1.03 mg/cm2	Workers	Systemic

#### BENZENESULFONIC ACID, MONO-C16-24-ALKYL DERIVS., CALCIUM SALTS

Type	Exposure	Value	Population	Effect
DNEL	Inhalation	11.75 mg/M3	Workers	Systemic
DNEL	Dermal	3.33 mg/kg	Workers	Systemic
DNEL	Dermal	1.03 mg/cm2	Workers	Systemic

#### BUTYLATED HYDROXYTOLUENE

Type	Exposure	Value	Population	Effect
DNEL	Inhalation	1.76 mg/m3	Workers	Systemic
DNEL	Dermal	0.5mg/kg	Workers	Systemic
DNEL	Inhalation	0.435mgm3	Consumers	Systemic
DNEL	Dermal	0.25mg/kg	Consumers	Systemic
DNEL	Oral	0.25mg/kg	Consumers	Systemic

## SECTION 9: Physical and chemical properties

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

State:	Grease
Colour:	Dark grey
Odour:	Odourless
Solubility in water:	Insoluble
Melting point/range °C:	>200
Flash point °C:	>150
Autoflammability °C:	>200
Relative density:	0.98

### 9.2. Other information

Other information:	Not applicable.
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## SECTION 10: Stability and reactivity

### 10.1. Reactivity

Reactivity:	Stable under recommended transport or storage conditions.
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### 10.2. Chemical stability

Chemical stability:	Stable under normal conditions.
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### 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.
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### 10.4. Conditions to avoid

Conditions to avoid:	Heat. Sources of ignition. Flames.
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### 10.5. Incompatible materials

Materials to avoid:	Strong oxidising agents. Strong acids.
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### 10.6. Hazardous decomposition products

Hazardous decomposition products:	In combustion emits toxic fumes of carbon dioxide / carbon monoxide.
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## 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

#### Hazardous ingredients:

##### BENZENESULFONIC ACID, C10-16-ALKYL DERIVS., CALCIUM SALTS

ALGAE	48H EC50	>100	µl/l
Daphnia magna	48H EC50	>100	ml/l
SHEEPSHEAD MINNOWS (Cyprindodon variegat	96H LC50	10,000	ml/l

##### SULFONIC ACIDS, PETROLEUM, CALCIUM SALTS

ALGAE	48H EC50	>100	µl/l
Daphnia magna	48H EC50	>100	ml/l
SHEEPSHEAD MINNOWS (Cyprindodon variegat	96H LC50	10,000	ml/l

##### BENZENESULFONIC ACID, MONO-C16-24-ALKYL DERIVS., CALCIUM SALTS

ALGAE	48H EC50	>100	µl/l
Daphnia magna	48H EC50	>100	ml/l
SHEEPSHEAD MINNOWS (Cyprindodon variegat	96H LC50	10,000	ml/l

##### BUTYLATED HYDROXYTOLUENE

Daphnia magna	48H EC50	0.48	mg/l
GREEN ALGA (Selenastrum capricornutum)	72H ErC50	0.24	mg/l
ZEBRAFISH (Brachydanio rerio)	96H LC50	>0.57	mg/l

## 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.