



## SAFETY DATA SHEET PROTECTON HEAVY DUTY SHAMPOO

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

#### 1.1. Product identifier

Product name PROTECTON HEAVY DUTY SHAMPOO

Product number PHD010

#### 1.2. Relevant identified uses of the substance or mixture and uses advised against

Identified uses Auto shampoo.

#### 1.3. Details of the supplier of the safety data sheet

Supplier TETROSYL LIMITED  
Bury  
Lancashire  
England  
BL9 7NY  
0161 764 5981  
0161 797 5899  
info@tetrosyl.com

Manufacturer TETROSYL LIMITED  
Bury  
Lancashire  
England  
BL9 7NY  
0161 764 5981  
0161 797 5899  
info@tetrosyl.com

#### 1.4. Emergency telephone number

Emergency telephone +44 (0)161 764 5981

### SECTION 2: Hazards identification

#### 2.1. Classification of the substance or mixture

##### Classification (EC 1272/2008)

Physical hazards Not Classified

Health hazards Skin Irrit. 2 - H315 Eye Dam. 1 - H318 Skin Sens. 1 - H317

Environmental hazards Aquatic Chronic 3 - H412

Environmental The product contains a substance which is toxic to aquatic organisms and which may cause long-term adverse effects in the aquatic environment.

#### 2.2. Label elements

## PROTECTON HEAVY DUTY SHAMPOO

### Pictogram



### Signal word

Danger

### Hazard statements

H315 Causes skin irritation.  
H317 May cause an allergic skin reaction.  
H318 Causes serious eye damage.  
H412 Harmful to aquatic life with long lasting effects.

### Precautionary statements

P101 If medical advice is needed, have product container or label at hand.  
P102 Keep out of reach of children.  
P261 Avoid breathing vapour/ spray.  
P264 Wash contaminated skin thoroughly after handling.  
P272 Contaminated work clothing should not be allowed out of the workplace.  
P273 Avoid release to the environment.  
P280 Wear protective gloves/ protective clothing/ eye protection/ face protection.  
P302+P352 IF ON SKIN: Wash with plenty of water.  
P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.  
P310 Immediately call a POISON CENTER/ doctor.  
P333+P313 If skin irritation or rash occurs: Get medical advice/ attention.  
P362+P364 Take off contaminated clothing and wash it before reuse.  
P501 Dispose of contents/ container in accordance with national regulations.

### Contains

(C9-C11) ALKYL ALCOHOL, ETHOXYLATE, BENZENESULFONIC ACID, 4-C10-13-SEC-ALKYL DERIVS., COMPDS. WITH TRIETHANOLAMINE, AMIDES, C8-C18(EVEN NUMBERED) AND C18(UNSATD.), N,N-BIS(HYDROXYETHYL), ALCOHOLS, C12-14, ETHOXYLATED, SULFATES, SODIUM SALTS, ORANGE TERPENES - CITRUS SINENSIS, DIETHANOLAMINE, 1,2-benzisothiazol-3(2H)-one

### Detergent labelling

5 - < 15% anionic surfactants, 5 - < 15% non-ionic surfactants, < 5% perfumes, Contains BENZISOTHIAZOLINONE, METHYLISOTHIAZOLINONE

### Supplementary precautionary statements

P321 Specific treatment (see medical advice on this label).  
P332+P313 If skin irritation occurs: Get medical advice/ attention.

### 2.3. Other hazards

This product does not contain any substances classified as PBT or vPvB.

## SECTION 3: Composition/information on ingredients

### 3.2. Mixtures

<p>(C9-C11) ALKYL ALCOHOL, ETHOXYLATE</p> <p>CAS number: 68439-46-3</p>	<p>5-&lt;10%</p>
<p><b>Classification</b></p> <p>Acute Tox. 4 - H302</p> <p>Eye Dam. 1 - H318</p>	

## PROTECTON HEAVY DUTY SHAMPOO

BENZENESULFONIC ACID, 4-C10-13-SEC-ALKYL DERIVS., COMPDS. WITH TRIETHANOLAMINE			5-<10%
CAS number: 121617-08-1	REACH registration number: 01-2119971970-28		
<b>Classification</b> Skin Irrit. 2 - H315 Eye Dam. 1 - H318			
AMIDES, C8-C18(EVEN NUMBERED) AND C18(UNSATD.), N,N-BIS(HYDROXYETHYL)			5-<10%
CAS number: —	EC number: 931-329-6	REACH registration number: 01-2119490100-53-0000	
<b>Classification</b> Skin Irrit. 2 - H315 Eye Dam. 1 - H318 Aquatic Chronic 2 - H411			
ALCOHOLS, C12-14, ETHOXYLATED, SULFATES, SODIUM SALTS			5-<10%
CAS number: 68891-38-3	EC number: 500-234-8	REACH registration number: 01-2119488639-16-0000	
<b>Classification</b> Skin Irrit. 2 - H315 Eye Dam. 1 - H318 Aquatic Chronic 3 - H412			
ORANGE TERPENES - CITRUS SINENSIS			2.25%
CAS number: 8028-48-6	EC number: 232-433-8	REACH registration number: 01-2119493353-35-0000	
M factor (Acute) = 1			
<b>Classification</b> Flam. Liq. 3 - H226 Skin Irrit. 2 - H315 Skin Sens. 1B - H317 Asp. Tox. 1 - H304 Aquatic Acute 1 - H400 Aquatic Chronic 2 - H411			

## PROTECTON HEAVY DUTY SHAMPOO

<b>DIETHANOLAMINE</b>		<b>1-&lt;2.5%</b>
CAS number: 111-42-2	EC number: 203-868-0	
<b>Classification</b> Acute Tox. 4 - H302 Skin Irrit. 2 - H315 Eye Dam. 1 - H318 STOT RE 2 - H373		
<b>GLYCERINE</b>		<b>0.1-&lt;0.3%</b>
CAS number: 56-81-5	EC number: 200-289-5	
<b>Classification</b> Not Classified		
<b>1,2-BENZISOTHIAZOL-3(2H)-ONE</b>		<b>0.001 - &lt;0.1%</b>
CAS number: 2634-33-5	EC number: 220-120-9	
M factor (Acute) = 1		
<b>Classification</b> Acute Tox. 4 - H302 Skin Irrit. 2 - H315 Eye Dam. 1 - H318 Skin Sens. 1 - H317 Aquatic Acute 1 - H400		

The full text for all hazard statements is displayed in Section 16.

### SECTION 4: First aid measures

#### 4.1. Description of first aid measures

<b>General information</b>	Get medical attention if any discomfort continues. Move affected person to fresh air and keep warm and at rest in a position comfortable for breathing. Effects may be delayed. Keep affected person under observation.
<b>Inhalation</b>	Unlikely route of exposure as the product does not contain volatile substances.
<b>Ingestion</b>	Get medical attention if any discomfort continues. Rinse mouth thoroughly with water. Give plenty of water to drink.
<b>Skin contact</b>	Rinse immediately with plenty of water. Remove contaminated clothing. Get medical attention if any discomfort continues.
<b>Eye contact</b>	Rinse immediately with plenty of water. Remove any contact lenses and open eyelids wide apart. Continue to rinse for at least 15 minutes. Do not rub eye. Get medical attention if any discomfort continues.

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

<b>General information</b>	The severity of the symptoms described will vary dependent on the concentration and the length of exposure. Effects may be delayed. Keep affected person under observation.
<b>Inhalation</b>	No specific symptoms known.
<b>Ingestion</b>	May cause discomfort if swallowed. May cause stomach pain or vomiting.

## PROTECTON HEAVY DUTY SHAMPOO

**Skin contact** Prolonged contact may cause redness, irritation and dry skin.

**Eye contact** Irritation and redness, followed by blurred vision.

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

**Notes for the doctor** No specific recommendations. If in doubt, get medical attention promptly.

## **SECTION 5: Firefighting measures**

### **5.1. Extinguishing media**

**Suitable extinguishing media** Extinguish with the following media: Foam, carbon dioxide or dry powder. Water. Use fire-extinguishing media suitable for the surrounding fire.

**Unsuitable extinguishing media** Do not use water jet as an extinguisher, as this will spread the fire.

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

**Specific hazards** Not relevant. No unusual fire or explosion hazards noted.

**Hazardous combustion products** No known hazardous decomposition products.

### **5.3. Advice for firefighters**

**Protective actions during firefighting** Not relevant.

**Special protective equipment for firefighters** Leave danger zone immediately.

## **SECTION 6: Accidental release measures**

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

**Personal precautions** For personal protection, see Section 8. In case of spills, beware of slippery floors and surfaces.

### **6.2. Environmental precautions**

**Environmental precautions** Avoid discharge to the aquatic environment.

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

**Methods for cleaning up** No specific clean-up procedure recommended.

### **6.4. Reference to other sections**

**Reference to other sections** Collect and dispose of spillage as indicated in Section 13. For personal protection, see Section 8.

## **SECTION 7: Handling and storage**

### **7.1. Precautions for safe handling**

**Usage precautions** Read and follow manufacturer's recommendations. Good personal hygiene procedures should be implemented. Wash hands and any other contaminated areas of the body with soap and water before leaving the work site. Avoid contact with eyes. Avoid eating, drinking and smoking when using the product.

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

**Storage precautions** Keep containers upright. Store in tightly-closed, original container.

### **7.3. Specific end use(s)**

## PROTECTON HEAVY DUTY SHAMPOO

**Specific end use(s)** The identified uses for this product are detailed in Section 1.2.

### SECTION 8: Exposure Controls/personal protection

#### 8.1. Control parameters

##### Occupational exposure limits

##### ORANGE TERPENES - CITRUS SINENSIS

Long-term exposure limit (8-hour TWA): 100 ppm

Short-term exposure limit (15-minute): 150 ppm

##### DIETHANOLAMINE

Long-term exposure limit (8-hour TWA): OES 3 ppm 15 mg/m<sup>3</sup>

Short-term exposure limit (15-minute): OES

##### GLYCERINE

Long-term exposure limit (8-hour TWA): WEL 10 mg/m<sup>3</sup> mist

WEL = Workplace Exposure Limit

#### 8.2. Exposure controls

##### Protective equipment



**Appropriate engineering controls**

No specific ventilation requirements. This product must not be handled in a confined space without adequate ventilation.

**Eye/face protection**

Eyewear complying with an approved standard should be worn if a risk assessment indicates eye contact is possible. Unless the assessment indicates a higher degree of protection is required, the following protection should be worn: Tight-fitting safety glasses.

**Hand protection**

Chemical-resistant, impervious gloves complying with an approved standard should be worn if a risk assessment indicates skin contact is possible.

**Other skin and body protection**

Wear appropriate clothing to prevent repeated or prolonged skin contact.

**Hygiene measures**

Provide eyewash station and safety shower. Use appropriate skin cream to prevent drying of skin. When using do not eat, drink or smoke.

**Respiratory protection**

Respiratory protection not required.

### SECTION 9: Physical and Chemical Properties

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

<b>Appearance</b>	Clear liquid.
<b>Colour</b>	Green.
<b>Odour</b>	Fruity.
<b>Odour threshold</b>	Not determined. Scientifically unjustified. Not determined. Scientifically unjustified.
<b>pH</b>	pH (concentrated solution): 8.5
<b>Melting point</b>	Not determined. Scientifically unjustified.
<b>Initial boiling point and range</b>	100°C @
<b>Flash point</b>	>100°C

## PROTECTON HEAVY DUTY SHAMPOO

<b>Evaporation rate</b>	Not determined. Scientifically unjustified.
<b>Upper/lower flammability or explosive limits</b>	Scientifically unjustified. Not determined.
<b>Vapour pressure</b>	Not determined.
<b>Vapour density</b>	Not determined.
<b>Relative density</b>	1.012 @ 20°C
<b>Solubility(ies)</b>	Soluble in water.
<b>Partition coefficient</b>	Not determined. Scientifically unjustified.
<b>Auto-ignition temperature</b>	Not determined. Scientifically unjustified.
<b>Decomposition Temperature</b>	Not determined. Scientifically unjustified.
<b>Viscosity</b>	650 cP @ 20°C
<b>Oxidising properties</b>	Not determined.

### 9.2. Other information

<b>Other information</b>	None.
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## SECTION 10: Stability and reactivity

### 10.1. Reactivity

<b>Reactivity</b>	There are no known reactivity hazards associated with this product.
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### 10.2. Chemical stability

<b>Stability</b>	No particular stability concerns.
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### 10.3. Possibility of hazardous reactions

<b>Possibility of hazardous reactions</b>	Not applicable.
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### 10.4. Conditions to avoid

<b>Conditions to avoid</b>	Avoid excessive heat for prolonged periods of time.
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### 10.5. Incompatible materials

<b>Materials to avoid</b>	No specific material or group of materials is likely to react with the product to produce a hazardous situation.
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### 10.6. Hazardous decomposition products

<b>Hazardous decomposition products</b>	Oxides of carbon. Thermal decomposition or combustion may liberate carbon oxides and other toxic gases or vapours.
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## SECTION 11: Toxicological information

### 11.1. Information on toxicological effects

#### Acute toxicity - oral

<b>ATE oral (mg/kg)</b>	5,988.02
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<b>Inhalation</b>	No specific health hazards known.
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<b>Ingestion</b>	May cause discomfort if swallowed.
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<b>Skin contact</b>	Irritating to skin. May cause an allergic skin reaction.
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## PROTECTON HEAVY DUTY SHAMPOO

<b>Eye contact</b>	Causes serious eye damage.
<b>Acute and chronic health hazards</b>	This chemical can be hazardous when inhaled and/or touched. This product is corrosive. This product may cause skin and eye irritation. Prolonged contact may cause burns. May cause severe internal injury. Vapour from this product may be hazardous by inhalation.
<b>Route of exposure</b>	Inhalation Ingestion. Skin and/or eye contact Skin absorption

### SECTION 12: Ecological Information

<b>Ecotoxicity</b>	The product contains a substance which is harmful to aquatic organisms and which may cause long-term adverse effects in the aquatic environment.
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#### 12.1. Toxicity

##### Acute aquatic toxicity

##### Acute toxicity - fish

LC<sub>50</sub>, 96 hours: 33 mg/l (ORANGE TERPENES) mg/l, Fish

#### 12.2. Persistence and degradability

<b>Persistence and degradability</b>	No data available.
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#### 12.3. Bioaccumulative potential

<b>Bioaccumulative potential</b>	No data available on bioaccumulation.
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<b>Partition coefficient</b>	Not determined. Scientifically unjustified.
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#### 12.4. Mobility in soil

<b>Mobility</b>	The product is soluble in water.
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<b>Adsorption/desorption coefficient</b>	Not available.
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#### 12.5. Results of PBT and vPvB assessment

<b>Results of PBT and vPvB assessment</b>	This substance is not classified as PBT or vPvB according to current EU criteria.
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#### 12.6. Other adverse effects

<b>Other adverse effects</b>	Not available.
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### SECTION 13: Disposal considerations

#### 13.1. Waste treatment methods

<b>General information</b>	Waste should be treated as controlled waste.
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<b>Disposal methods</b>	Dispose of waste to licensed waste disposal site in accordance with the requirements of the local Waste Disposal Authority. Confirm disposal procedures with environmental engineer and local regulations. Following dilution, discharge to the sewer with plenty of water may be permitted.
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### SECTION 14: Transport information

<b>General</b>	The product is not covered by international regulations on the transport of dangerous goods (IMDG, IATA, ADR/RID).
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#### 14.1. UN number

Not applicable.

#### 14.2. UN proper shipping name



## PROTECTON HEAVY DUTY SHAMPOO

Not applicable.

### 14.3. Transport hazard class(es)

No transport warning sign required.

### Transport labels

No transport warning sign required.

### 14.4. Packing group

Not applicable.

### 14.5. Environmental hazards

#### **Environmentally hazardous substance/marine pollutant**

No.

### 14.6. Special precautions for user

Not applicable.

### 14.7. Transport in bulk according to Annex II of MARPOL and the IBC Code

Transport in bulk according to Not applicable.

Annex II of MARPOL 73/78

and the IBC Code

## SECTION 15: Regulatory information

### 15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

<b>EU legislation</b>	Regulation (EC) No 1907/2006 of the European Parliament and of the Council of 18 December 2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH) (as amended).
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### 15.2. Chemical safety assessment

No chemical safety assessment has been carried out.

## SECTION 16: Other information

<b>Revision comments</b>	NOTE: Lines within the margin indicate significant changes from the previous revision.
<b>Issued by</b>	Health & Safety Department
<b>Revision date</b>	06/06/2016
<b>Revision</b>	1
<b>Supersedes date</b>	28/09/2015
<b>SDS number</b>	31471
<b>SDS status</b>	Approved.
<b>Hazard statements in full</b>	H226 Flammable liquid and vapour. H302 Harmful if swallowed. H304 May be fatal if swallowed and enters airways. H315 Causes skin irritation. H317 May cause an allergic skin reaction. H318 Causes serious eye damage. H373 May cause damage to organs through prolonged or repeated exposure. H400 Very toxic to aquatic life. H411 Toxic to aquatic life with long lasting effects. H412 Harmful to aquatic life with long lasting effects.

## PROTECTON HEAVY DUTY SHAMPOO