



## SAFETY DATA SHEET WHEEL CLEANER

### SECTION 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

#### 1.1. Product identifier

Product name                      WHEEL CLEANER  
Product No.                        CWC505

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

Identified uses                    Cleaning agent.

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

Supplier                            TETROSYL LIMITED  
   BEVIS GREEN WORKS  
   WALMERSLEY  
   BURY  
   BL9 6RE  
   0161 764 5981  
   0161 797 5899  
   info@tetrosyl.com  
Manufacturer                      TETROSYL LIMITED  
   BEVIS GREEN WORKS  
   WALMERSLEY  
   BURY  
   BL9 6RE  
   0161 764 5981  
   0161 797 5899  
   info@tetrosyl.com

#### 1.4. Emergency telephone number

0161 764 5981

### SECTION 2: HAZARDS IDENTIFICATION

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

Classification (EC 1272/2008)

Physical and Chemical Hazards	Not classified.
Human health	Skin Corr. 1A - H314; Eye Dam. 1 - H318
Environment	Not classified.

Classification (1999/45/EEC) Xi;R36/38.

The Full Text for all R-Phrases and Hazard Statements are Displayed in Section 16.

Human health

See section 11 for additional information on health hazards.

#### 2.2. Label elements

Contains                            HYDROCHLORIC ACID 3.7810%

**WHEEL CLEANER**

Detergent Labelling:

&lt; 5%

non-ionic surfactants

Label In Accordance With (EC) No. 1272/2008



Signal Word	Danger	
Hazard Statements	H314	Causes severe skin burns and eye damage.
	H318	Causes serious eye damage.
Precautionary Statements	P101	If medical advice is needed, have product container or label at hand.
	P102	Keep out of reach of children.
	P280	Wear protective gloves/protective clothing/eye protection/face protection.
	P260	Do not breathe spray.
	P301+330+331	IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.
	P303+361+353	IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower.
	P305+351+338	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 or doctor/physician.
	P363	Wash contaminated clothing before reuse.
	P405	Store locked up.
	P501	Dispose of contents/container in accordance with local regulations.
Supplementary Precautionary Statements	P264	Wash contaminated skin thoroughly after handling.
	P321	Specific treatment (see medical advice on this label).
	P304+340	IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.

**2.3. Other hazards**

Not Classified as PBT/vPvB by current EU criteria.

**SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS****3.2. Mixtures**

ALCOHOL ETHOXYLATE WITH 7 MEO	1.0 - <3.0%
CAS-No.: 68131-39-5	EC No.:
Classification (EC 1272/2008) Not classified.	Classification (67/548/EEC) Xn;R22. Xi;R41. N;R50.

## WHEEL CLEANER

BUTANOL-norm		0.0001 - <0.1%
CAS-No.: 71-36-3	EC No.: 200-751-6	Registration Number: 01-2119484630-38-XXXX
Classification (EC 1272/2008) Flam. Liq. 3 - H226 Acute Tox. 4 - H302 Skin Irrit. 2 - H315 Eye Dam. 1 - H318 STOT SE 3 - H335 STOT SE 3 - H336	Classification (67/548/EEC) R10 Xn;R22 Xi;R37/38,R41 R67	
FORMALDEHYDE ...%		0.0001 - <0.1%
CAS-No.: 50-00-0	EC No.: 200-001-8	
Classification (EC 1272/2008) Acute Tox. 3 - H301 Acute Tox. 3 - H311 Acute Tox. 3 - H331 Skin Corr. 1B - H314 Skin Sens. 1 - H317 Carc. 2 - H351 STOT SE 3 - H335	Classification (67/548/EEC) Carc. Cat. 3;R40 T;R23/24/25 C;R34 R43	
HYDROCHLORIC ACID ...%		3.0 - <5.0%
CAS-No.: 7647-01-0	EC No.: 231-595-7	
Classification (EC 1272/2008) Skin Corr. 1B - H314 STOT SE 3 - H335	Classification (67/548/EEC) C;R34 Xi;R37	
PHOSPHORIC ACID ...%		0.5 - < 1.0%
CAS-No.: 7664-38-2	EC No.: 231-633-2	
Classification (EC 1272/2008) Skin Corr. 1B - H314	Classification (67/548/EEC) C;R34	
PROPARGYL ALCOHOL		0.0001 - <0.1%
CAS-No.: 107-19-7	EC No.: 203-471-2	

**WHEEL CLEANER**

Classification (EC 1272/2008)	Classification (67/548/EEC)
Flam. Liq. 3 - H226	R10
Acute Tox. 3 - H301	T;R23/24/25
Acute Tox. 3 - H311	C;R34
Acute Tox. 3 - H331	N;R51/53
Skin Corr. 1B - H314	
Aquatic Chronic 2 - H411	

The Full Text for all R-Phrases and Hazard Statements are Displayed in Section 16.

**SECTION 4: FIRST AID MEASURES****4.1. Description of first aid measures**

## General information

Get medical attention if any discomfort continues. General first aid, rest, warmth and fresh air. NOTE! Effects may be delayed. Keep affected person under observation. Remove affected person from source of contamination.

## Inhalation

In case of inhalation of spray mist: Move person into fresh air and keep at rest.

## Ingestion

Provide rest, warmth and fresh air. Immediately rinse mouth and drink plenty of water. If person becomes uncomfortable or if ingested in large amounts (100-150 ml for an adult person): Take to hospital along with these instructions.

## Skin contact

Remove contaminated clothing immediately and wash skin with soap and water. Rinse with water. Get medical attention if any discomfort continues.

## Eye contact

Important! Immediately rinse with water for at least 15 minutes. Make sure to remove any contact lenses from the eyes before rinsing. Get medical attention promptly if symptoms occur after washing.

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

## General information

The severity of the symptoms described will vary dependant of the concentration and the length of exposure. NOTE! Effects may be delayed. Keep affected person under observation.

## Inhalation

No specific symptoms noted.

## Ingestion

May cause discomfort if swallowed. May cause stomach pain or vomiting.

## Skin contact

Skin irritation. Prolonged or repeated contact with skin may cause redness, itching, irritation and eczema/chapping. Blistering may occur.

## Eye contact

Irritating and may cause redness and pain. May cause blurred vision and serious eye damage.

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

No recommendation given, but first aid may still be required in case of accidental exposure, inhalation or ingestion of this chemical. In if doubt, GET MEDICAL ATTENTION PROMPTLY!

**SECTION 5: FIREFIGHTING MEASURES****5.1. Extinguishing media**

## Extinguishing media

Use: Foam, carbon dioxide or dry powder. Water. Use fire-extinguishing media appropriate for surrounding materials.

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

Hazardous combustion products

Thermal decomposition or combustion may liberate carbon oxides and other toxic gases or vapours.

Unusual Fire & Explosion Hazards

No unusual fire or explosion hazards noted.

Specific hazards

Fire creates: Carbon monoxide (CO). Carbon dioxide (CO<sub>2</sub>).

**5.3. Advice for firefighters**

Special Fire Fighting Procedures

No specific fire fighting procedure given.

Protective equipment for fire-fighters

Leave danger zone immediately.

**SECTION 6: ACCIDENTAL RELEASE MEASURES****6.1. Personal precautions, protective equipment and emergency procedures**

For personal protection, see section 8. In case of spills, beware of slippery floors and surfaces. Avoid contact with skin and eyes.

**6.2. Environmental precautions**

Avoid discharge into water courses or onto the ground.

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

No specific clean-up procedure noted.

**6.4. Reference to other sections**

For personal protection, see section 8. For waste disposal, see section 13.

**SECTION 7: HANDLING AND STORAGE****7.1. Precautions for safe handling**

Good personal hygiene is necessary. Wash hands and contaminated areas with water and soap before leaving the work site. Avoid eating, drinking and smoking when using the product. Avoid contact with skin and eyes. Do not handle broken packages without protective equipment.

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

Keep upright. Store in tightly closed original container.

**7.3. 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**

Name	STD	TWA - 8 Hrs		STEL - 15 Min		Notes
BUTANOL-norm	WEL			50 ppm(Sk)	154 mg/m <sup>3</sup> (Sk)	
FORMALDEHYDE ...%	WEL	2 ppm	2.5 mg/m <sup>3</sup>	2 ppm	2.5 mg/m <sup>3</sup>	
PHOSPHORIC ACID ...%	WEL		1 mg/m <sup>3</sup>		2 mg/m <sup>3</sup>	
PROPARGYL ALCOHOL	WEL	1 ppm(Sk)	2.3 mg/m <sup>3</sup> (Sk)	3 ppm(Sk)	7 mg/m <sup>3</sup> (Sk)	

**WHEEL CLEANER**

WEL = Workplace Exposure Limit.

**8.2. Exposure controls**

Protective equipment



Process conditions

Provide eyewash, quick drench.

Engineering measures

Weighing/dispensing only in well ventilated area.

Respiratory equipment

No specific recommendation made, but respiratory protection may still be required under exceptional circumstances when excessive air contamination exists.

Hand protection

Protective gloves should be used if there is a risk of direct contact or splash. Nitrile gloves are recommended, but be aware that the liquid may penetrate the gloves. Frequent change is advisable.

Eye protection

Wear approved chemical safety goggles where eye exposure is reasonably probable.

Other Protection

Wear appropriate clothing to prevent any possibility of skin contact. Provide eyewash station.

Hygiene measures

Use appropriate skin cream to prevent drying of skin. When using do not eat, drink or smoke. Wash hands after contact. Wash hands at the end of each work shift and before eating, smoking and using the toilet. Promptly remove any clothing that becomes wet or contaminated. Wash contaminated clothing before reuse.

**SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES****9.1. Information on basic physical and chemical properties**

Appearance	Clear liquid.
Colour	Red.
Odour	Slight odour. Characteristic.
Solubility	Soluble in water.
Initial boiling point and boiling range (°C)	~100°C
Melting point (°C)	Not determined.
Relative density	1.032g/cm <sup>3</sup> 20°C
Vapour density (air=1)	Not determined.
Vapour pressure	Not determined.
Evaporation rate	Not determined.
pH-Value, Conc. Solution	<2
Viscosity	<50 cP 20 - 40°C
Decomposition temperature (°C)	Not determined.
Odour Threshold, Lower	Not determined.

## WHEEL CLEANER

Odour Threshold, Upper

Not determined.

Flash point (°C) >100°C

Auto Ignition Temperature (°C)

Not determined.

Flammability Limit - Lower(%)

Not determined.

Flammability Limit - Upper(%)

Not determined.

Partition Coefficient

(N-Octanol/Water)

Not determined.

Oxidising properties

Not available.

### 9.2. Other information

None.

## SECTION 10: STABILITY AND REACTIVITY

### 10.1. Reactivity

Reacts strongly with alkaline metals and metal powder.

### 10.2. Chemical stability

No particular stability concerns.

### 10.3. Possibility of hazardous reactions

Not applicable.

### 10.4. Conditions to avoid

No specific conditions are likely to result in a hazardous situation.

### 10.5. Incompatible materials

Materials To Avoid

Alkali metals. Powdered metal.

### 10.6. Hazardous decomposition products

None under normal conditions.

## SECTION 11: TOXICOLOGICAL INFORMATION

### 11.1. Information on toxicological effects

Toxic Dose 1 - LD 50

>2000 (ALCOHOL ETHOXYLATE WITH 7 MEO) mg/kg (oral rat)

Health Warnings

This chemical can be hazardous when inhaled and/or touched. This chemical may cause skin/eye irritation and burns (corrosive). May cause severe internal injury. Vapour from this chemical can be hazardous when inhaled.

Route of entry

Inhalation. Ingestion. Skin and/or eye contact. Skin absorption.

## SECTION 12: ECOLOGICAL INFORMATION

## WHEEL CLEANER

### Ecotoxicity

The product components are not classified as environmentally hazardous. However, this does not exclude the possibility that large or frequent spills can have a harmful or damaging effect on the environment.

### **12.1. Toxicity**

LC 50, 96 Hrs, Fish mg/l <1 (ALCOHOL ETHOXYLATE WITH 7 MEO)

### **12.2. Persistence and degradability**

#### Degradability

There are no data on the degradability of this product.

### **12.3. Bioaccumulative potential**

#### Bioaccumulative potential

No data available on bioaccumulation.

#### Partition coefficient

Not determined.

### **12.4. Mobility in soil**

#### Mobility:

The product is soluble in water.

#### Adsorption/Desorption Coefficient

Not available.

### **12.5. Results of PBT and vPvB assessment**

Not Classified as PBT/vPvB by current EU criteria.

### **12.6. Other adverse effects**

Not applicable.

## SECTION 13: DISPOSAL CONSIDERATIONS

### General information

Waste to be treated as controlled waste. Disposal to licensed waste disposal site in accordance with local Waste Disposal Authority.

### **13.1. Waste treatment methods**

Dispose of waste and residues in accordance with local authority requirements. Confirm disposal procedures with environmental engineer and local regulations.

## SECTION 14: TRANSPORT INFORMATION

### General

The product is not covered by international regulation on the transport of dangerous goods (IMDG, IATA, ADR/RID).

### **14.1. UN number**

Not applicable.

### **14.2. UN proper shipping name**

Not applicable.

### **14.3. Transport hazard class(es)**

#### Transport Labels

No transport warning sign required.

### **14.4. Packing group**

Not applicable.



## WHEEL CLEANER

### 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 MARPOL73/78 and the IBC Code

Not applicable.

## SECTION 15: REGULATORY INFORMATION

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

EU Legislation

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), establishing a European Chemicals Agency, amending Directive 1999/45/EC and repealing Council Regulation (EEC) No 793/93 and Commission Regulation (EC) No 1488/94 as well as Council Directive 76/769/EEC and Commission Directives 91/155/EEC, 93/67/EEC, 93/105/EC and 2000/21/EC, including amendments.

### 15.2. Chemical Safety Assessment

No chemical safety assessment has been carried out.

## SECTION 16: OTHER INFORMATION

General information

Only trained personnel should use this material.

Revision Comments

NOTE: Lines within the margin indicate significant changes from the previous revision.

Revision Date 22/10/2013

Revision 1

Safety Data Sheet Status Approved.

Risk Phrases In Full

R34 Causes burns.

R10 Flammable

R22 Harmful if swallowed.

R36/38 Irritating to eyes and skin.

R37/38 Irritating to respiratory system and skin.

R37 Irritating to respiratory system.

R40 Limited evidence of a carcinogenic effect.

R43 May cause sensitisation by skin contact.

R41 Risk of serious damage to eyes.

R23/24/25 Toxic by inhalation, in contact with skin and if swallowed.

R51/53 Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

R67 Vapours may cause drowsiness and dizziness.

R50 Very toxic to aquatic organisms.

**WHEEL CLEANER**

## Hazard Statements In Full

H226	Flammable liquid and vapour.
H301	Toxic if swallowed.
H302	Harmful if swallowed.
H311	Toxic in contact with skin.
H314	Causes severe skin burns and eye damage.
H315	Causes skin irritation.
H317	May cause an allergic skin reaction.
H318	Causes serious eye damage.
H331	Toxic if inhaled.
H335	May cause respiratory irritation.
H336	May cause drowsiness or dizziness.
H351	Suspected of causing cancer.
H411	Toxic to aquatic life with long lasting effects.

## Disclaimer

The information provided in this document has been compiled on the basis of our current knowledge and is believed to be in accordance with the requirements of the Dangerous Substances Directive, Dangerous Preparations Directive and Safety Data Sheets Directive. The information relates to the specific material designated and may not be valid for such material used in combination with any other materials or in any particular conditions or process. The conditions and extent of storage and use of material are outside of our control and within the control of the possessor or user. Consequently it is the responsibility of the possessor or user to satisfy themselves as to the completeness of such information and the suitability of the material for their own particular circumstances, conditions or use.