



# ESSENTIAL WHEEL CLEANER

## Safety Data Sheet

according to Regulation (EC) No. 453/2010

Date of issue: 20/08/2015

Revision date:

Version: 1.1

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

#### 1.1. Product identifier

Product form : Mixture  
Product name : ESSENTIAL WHEEL CLEANER

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

##### 1.2.1. Relevant identified uses

Intended for general public  
Main use category : Consumer use  
Use of the substance/mixture : Automotive Care Products.

##### 1.2.2. Uses advised against

No additional information available

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

Turtle Wax Europe Limited  
4th Floor Alaska House, Atlantic Park, Dunnings Bridge Road  
Liverpool, L30 4AB - United Kingdom  
T +44 151 530 4740  
[MSDS@turtlewaxeurope.com](mailto:MSDS@turtlewaxeurope.com)

#### 1.4. Emergency telephone number

Emergency number : +44 151 530 4740  
Office hours only 08:30 - 17:00

### SECTION 2: Hazards identification

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

##### Classification according to Regulation (EC) No. 1272/2008 [CLP]

Eye Dam. 1 H318

Full text of H-statements: see section 16

#### 2.2. Label elements

##### Labelling according to Regulation (EC) No. 1272/2008 [CLP]

Hazard pictograms (CLP) :



GHS05

Signal word (CLP) : Danger  
Hazardous ingredients : C9-11 ALCOHOL ETHOXYLATE 6-8 MOLES OF EO, sulphuric acid  
Hazard statements (CLP) : H318 - Causes serious eye damage  
Precautionary statements (CLP) : P102 - Keep out of reach of children  
P260 - Do not breathe vapours  
P264 - Wash hands thoroughly after handling  
P280 - Wear eye protection, protective gloves  
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 doctor

#### 2.3. Other hazards

Adverse physicochemical, human health and environmental effects : Causes serious eye damage.  
Other hazards not contributing to the classification : None under normal conditions.

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### SECTION 3: Composition/information on ingredients

#### 3.1. Substance

Not applicable

#### 3.2. Mixture

Name	Product identifier	%	Classification according to Regulation (EC) No. 1272/2008 [CLP]
sulphuric acid	(CAS No) 7664-93-9 (EC no) 231-639-5 (EC index no) 016-020-00-8 (REACH-no) 01-2119458838-20	1 - 10	Skin Corr. 1A, H314
(2-methoxymethylethoxy)propanol substance with a Community workplace exposure limit	(CAS No) 34590-94-8 (EC no) 252-104-2	1 - 10	Not classified
C9-11 ALCOHOL ETHOXYLATE 6-8 MOLES OF EO	(CAS No) 68439-46-3	1 - 10	Acute Tox. 4 (Oral), H302 Eye Dam. 1, H318
METHOXY-2-PROPANOL	(CAS No) 107-98-2 (EC no) 203-539-1 (EC index no) 603-064-00-3 (REACH-no) 01-2119457435-35	1 - 10	Flam. Liq. 3, H226 STOT SE 3, H336
Oxalic Acid	(CAS No) 144-62-7 (EC no) 205-634-3 (EC index no) 607-006-00-8 (REACH-no) 01-2119534576-33	1 - 10	Acute Tox. 4 (Dermal), H312 Acute Tox. 4 (Oral), H302
Benzenesulfonic acid; 4-C10-13-sec-alkylderivs.	(CAS No) 85536-14-7 (EC no) 287-494-3 (REACH-no) 01-2119490234-40	0.1 - 1	Acute Tox. 4 (Oral), H302 Skin Corr. 1C, H314 Eye Dam. 1, H318 Aquatic Chronic 3, H412
Phosphoric acid	(CAS No) 7664-38-2 (EC no) 231-633-2 (EC index no) 015-011-00-6 (REACH-no) 01-2119485924-24	0.1 - 1	Skin Corr. 1B, H314
METHOXYPROPANOL	(CAS No) 1589-47-5 (EC no) 216-455-5 (EC index no) 603-106-00-0	< 0.1	Flam. Liq. 3, H226 Repr. 1B, H360D STOT SE 3, H335 Skin Irrit. 2, H315 Eye Dam. 1, H318
sulphur dioxide	(CAS No) 7446-09-5 (EC no) 231-195-2 (EC index no) 016-011-00-9 (REACH-no) 01-2119485028-34	< 0.1	Press. Gas Acute Tox. 3 (Inhalation), H331 Skin Corr. 1B, H314

#### Specific concentration limits:

Name	Product identifier	Specific concentration limits
sulphuric acid	(CAS No) 7664-93-9 (EC no) 231-639-5 (EC index no) 016-020-00-8 (REACH-no) 01-2119458838-20	(5 =< C < 15) Skin Irrit. 2, H315 (5 =< C < 15) Eye Irrit. 2, H319 (C >= 15) Skin Corr. 1A, H314
Phosphoric acid	(CAS No) 7664-38-2 (EC no) 231-633-2 (EC index no) 015-011-00-6 (REACH-no) 01-2119485924-24	(10 =< C < 25) Skin Irrit. 2, H315 (10 =< C < 25) Eye Irrit. 2, H319 (C >= 25) Skin Corr. 1B, H314

Full text of H-phrases: see section 16

### SECTION 4: First aid measures

#### 4.1. Description of first aid measures

First-aid measures general	: If you feel unwell, seek medical advice (show the label where possible).
First-aid measures after inhalation	: Remove person to fresh air and keep comfortable for breathing. Get medical advice/attention if you feel unwell.
First-aid measures after skin contact	: Wash skin with plenty of water. If skin irritation occurs: Get medical advice/attention.
First-aid measures after eye contact	: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Get immediate medical advice/attention.
First-aid measures after ingestion	: Rinse mouth. Get medical advice/attention if you feel unwell.

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

Symptoms/injuries after inhalation	: May cause respiratory irritation.
Symptoms/injuries after skin contact	: May cause skin irritation.
Symptoms/injuries after eye contact	: Serious damage to eyes.
Symptoms/injuries after ingestion	: May cause irritation to the respiratory tract.

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

Treat symptomatically.

## SECTION 5: Firefighting measures

### 5.1. Extinguishing media

Suitable extinguishing media : Water spray. Dry powder. Foam. Carbon dioxide.

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

Fire hazard : The product is not flammable.  
Explosion hazard : Product is not explosive.  
Reactivity in case of fire : Not known.  
Hazardous decomposition products in case of fire : Toxic fumes may be released.

### 5.3. Advice for firefighters

Precautionary measures fire : Not applicable.  
Firefighting instructions : Use extinguishing media appropriate for surrounding fire.  
Protection during firefighting : Do not attempt to take action without suitable protective equipment. Self-contained breathing apparatus. Complete protective clothing.

## SECTION 6: Accidental release measures

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

General measures : Avoid release to the environment.

#### 6.1.1. For non-emergency personnel

Protective equipment : Wear suitable protective clothing, gloves and eye or face protection.  
Emergency procedures : Ventilate spillage area. Avoid contact with skin and eyes. Do not breathe vapours. Mark out the contaminated area with signs and prevent access to unauthorized personnel.

#### 6.1.2. For emergency responders

Protective equipment : Do not attempt to take action without suitable protective equipment. Avoid breathing vapours. Avoid contact with skin and eyes. For further information refer to section 8: "Exposure controls/personal protection".  
Emergency procedures : Ventilate area. Stop leak if safe to do so. Mark out the contaminated area with signs and prevent access to unauthorized personnel.

### 6.2. Environmental precautions

Avoid release to the environment.

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

For containment : Collect spillage.  
Methods for cleaning up : Take up liquid spill into absorbent material. Shovel into suitable and closed container for disposal. This material and its container must be disposed of in a safe way, and as per local legislation.  
Other information : This material and its container must be disposed of as hazardous waste.

### 6.4. Reference to other sections

For further information refer to section 8: "Exposure controls/personal protection". For disposal of solid materials or residues refer to section 13 : "Disposal considerations".

## SECTION 7: Handling and storage

### 7.1. Precautions for safe handling

Precautions for safe handling : Ensure good ventilation of the work station. Avoid contact with skin and eyes. Avoid breathing vapours. Wear personal protective equipment.  
Hygiene measures : Always wash hands after handling the product. Do not eat, drink or smoke when using this product.

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

Storage conditions : Store in a well-ventilated place. Keep cool. Keep container tightly closed. Store in original container.  
Packaging materials : Keep only in original container.

### 7.3. Specific end use(s)

Automotive Care Products.

## SECTION 8: Exposure controls/personal protection

### 8.1. Control parameters

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Phosphoric acid (7664-38-2)		
United Kingdom	Local name	Orthophosphoric acid
United Kingdom	WEL TWA (mg/m <sup>3</sup> )	1 mg/m <sup>3</sup>
United Kingdom	WEL STEL (mg/m <sup>3</sup> )	2 mg/m <sup>3</sup>
METHOXY-2-PROPANOL (107-98-2)		
United Kingdom	Local name	1-Methoxypropan-2-ol
United Kingdom	WEL TWA (mg/m <sup>3</sup> )	375 mg/m <sup>3</sup>
United Kingdom	WEL TWA (ppm)	100 ppm
United Kingdom	WEL STEL (mg/m <sup>3</sup> )	560 mg/m <sup>3</sup>
United Kingdom	WEL STEL (ppm)	150 ppm
United Kingdom	Remark (WEL)	Sk
sulphuric acid (7664-93-9)		
United Kingdom	Local name	Sulphuric acid (mist)
United Kingdom	WEL TWA (mg/m <sup>3</sup> )	0.05 mg/m <sup>3</sup>
United Kingdom	Remark (WEL)	The mist is defined as the thoracic fraction
Oxalic Acid (144-62-7)		
United Kingdom	Local name	Oxalic acid
United Kingdom	WEL TWA (mg/m <sup>3</sup> )	1 mg/m <sup>3</sup>
United Kingdom	WEL STEL (mg/m <sup>3</sup> )	2 mg/m <sup>3</sup>
(2-methoxymethylethoxy)propanol (34590-94-8)		
United Kingdom	Local name	(2-methoxymethylethoxy) propanol
United Kingdom	WEL TWA (mg/m <sup>3</sup> )	308 mg/m <sup>3</sup>
United Kingdom	WEL TWA (ppm)	50 ppm
United Kingdom	Remark (WEL)	Sk

### 8.2. Exposure controls

Appropriate engineering controls	: Ensure good ventilation of the work station.
Personal protective equipment	: Gloves. Protective goggles. Safety glasses.
Hand protection	: Protective gloves
Eye protection	: Safety glasses
Skin and body protection	: Wear suitable protective clothing
Respiratory protection	: In case of insufficient ventilation, wear suitable respiratory equipment



Environmental exposure controls : Avoid release to the environment.

## SECTION 9: Physical and chemical properties

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

Physical state	: Liquid
Colour	: clear.
Odour	: characteristic.
Odour threshold	: No data available
pH	: 0.5 - 1.5
Relative evaporation rate (butylacetate=1)	: No data available
Melting point	: Not applicable
Freezing point	: No data available
Boiling point	: > 100 °C
Flash point	: > 93 °C
Auto-ignition temperature	: No data available
Decomposition temperature	: No data available
Flammability (solid, gas)	: Not applicable
Vapour pressure	: No data available
Relative vapour density at 20 °C	: No data available

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Relative density	: 1.034 - 1.046
Solubility	: No data available
Log Pow	: No data available
Viscosity, kinematic	: No data available
Viscosity, dynamic	: No data available
Explosive properties	: Product is not explosive.
Oxidising properties	: Oxidising liquids Not applicable.
Explosive limits	: No data available

### 9.2. Other information

No additional information available

## SECTION 10: Stability and reactivity

### 10.1. Reactivity

The product is non-reactive under normal conditions of use, storage and transport.

### 10.2. Chemical stability

Stable under normal conditions.

### 10.3. Possibility of hazardous reactions

No dangerous reactions known under normal conditions of use.

### 10.4. Conditions to avoid

None under recommended storage and handling conditions (see section 7).

### 10.5. Incompatible materials

Acids. Oxidizing agent.

### 10.6. Hazardous decomposition products

Under normal conditions of storage and use, hazardous decomposition products should not be produced.

## SECTION 11: Toxicological information

### 11.1. Information on toxicological effects

Acute toxicity : Not classified

Phosphoric acid (7664-38-2)	
LD50 oral	1530 mg/kg bodyweight
LD50 dermal	2740 mg/kg bodyweight
Benzenesulfonic acid; 4-C10-13-sec-alkylderivs. (85536-14-7)	
LD50 oral	1470 mg/kg bodyweight
METHOXY-2-PROPANOL (107-98-2)	
LD50 oral	3739 mg/kg bodyweight
LD50 dermal	> 2000 mg/kg bodyweight
LC50 inhalation rat (Dust/Mist - mg/l/4h)	> 26315 mg/m <sup>3</sup>
sulphuric acid (7664-93-9)	
LD50 oral	2140 mg/kg bodyweight
LC50 inhalation rat (Dust/Mist - mg/l/4h)	375 mg/m <sup>3</sup>
Oxalic Acid (144-62-7)	
LD50 oral	375 mg/kg bodyweight
LD50 dermal	20000 mg/kg bodyweight

Skin corrosion/irritation	: Not classified pH: 0.5 - 1.5
Serious eye damage/irritation	: Causes serious eye damage. pH: 0.5 - 1.5
Respiratory or skin sensitisation	: Not classified
Germ cell mutagenicity	: Not classified
Carcinogenicity	: Not classified
Reproductive toxicity	: Not classified
Specific target organ toxicity (single exposure)	: Not classified
Specific target organ toxicity (repeated exposure)	: Not classified
Aspiration hazard	: Not classified

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### SECTION 12: Ecological information

#### 12.1. Toxicity

- Ecology - general : The product is not considered harmful to aquatic organisms or to cause long-term adverse effects in the environment.
- Ecology - water : The product is not considered harmful to aquatic organisms or to cause long-term adverse effects in the environment.

<b>Phosphoric acid (7664-38-2)</b>	
EC50 other aquatic organisms 1	> 100 mg/l EC50 waterflea (48 h)
EC50 other aquatic organisms 2	> 100 mg/l IC50 algea (72 h) mg/l
<b>Benzenesulfonic acid; 4-C10-13-sec-alkylderivs. (85536-14-7)</b>	
LC50 fish 1	1 mg/l
EC50 other aquatic organisms 1	1 mg/l EC50 waterflea (48 h)
EC50 other aquatic organisms 2	10 mg/l IC50 algea (72 h) mg/l
<b>METHOXY-2-PROPANOL (107-98-2)</b>	
LC50 fish 1	> 4600 mg/l
EC50 other aquatic organisms 1	23300 mg/l EC50 waterflea (48 h)
EC50 other aquatic organisms 2	> 500 mg/l IC50 algea (72 h) mg/l
<b>sulphuric acid (7664-93-9)</b>	
LC50 fish 1	> 16 mg/l
EC50 other aquatic organisms 1	> 100 mg/l EC50 waterflea (48 h)
EC50 other aquatic organisms 2	> 100 mg/l IC50 algea (72 h) mg/l
<b>Oxalic Acid (144-62-7)</b>	
LC50 fish 1	4000 mg/l
EC50 other aquatic organisms 1	162.2 mg/l
EC50 other aquatic organisms 2	IC50 algea (72 h) mg/l

#### 12.2. Persistence and degradability

<b>ESSENTIAL WHEEL CLEANER</b>	
Persistence and degradability	Not established.

#### 12.3. Bioaccumulative potential

<b>ESSENTIAL WHEEL CLEANER</b>	
Bioaccumulative potential	Not established.
<b>Phosphoric acid (7664-38-2)</b>	
Log Pow	-0.77
<b>METHOXY-2-PROPANOL (107-98-2)</b>	
Log Pow	-0.49
<b>sulphuric acid (7664-93-9)</b>	
Log Pow	-2.2
<b>Oxalic Acid (144-62-7)</b>	
Log Pow	-1.74

#### 12.4. Mobility in soil

<b>ESSENTIAL WHEEL CLEANER</b>	
Ecology - soil	Not established.

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

No additional information available

#### 12.6. Other adverse effects

- Other adverse effects : None known.
- Additional information : Avoid release to the environment

### SECTION 13: Disposal considerations

#### 13.1. Waste treatment methods

- Regional legislation (waste) : Disposal must be done according to official regulations.
- Waste treatment methods : Dispose of contents/container in accordance with licensed collector's sorting instructions. Do not flush liquid into public sewer or water systems.
- Waste disposal recommendations : Avoid release to the environment. Dispose of contents/container to a hazardous or special waste collection point.
- Additional information : Clean up even minor leaks or spills if possible without unnecessary risk.

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### SECTION 14: Transport information

In accordance with ADR / RID / IMDG / IATA / ADN

#### 14.1. UN number

Not regulated for transport

#### 14.2. UN proper shipping name

Proper Shipping Name (ADR)	: Not applicable
Proper Shipping Name (IMDG)	: Not applicable
Proper Shipping Name (IATA)	: Not applicable
Proper Shipping Name (ADN)	: Not applicable
Proper Shipping Name (RID)	: Not applicable

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

##### ADR

Transport hazard class(es) (ADR) : Not applicable

##### IMDG

Transport hazard class(es) (IMDG) : Not applicable

##### IATA

Transport hazard class(es) (IATA) : Not applicable

##### ADN

Transport hazard class(es) (ADN) : Not applicable

##### RID

Transport hazard class(es) (RID) : Not applicable

#### 14.4. Packing group

Packing group (ADR)	: Not applicable
Packing group (IMDG)	: Not applicable
Packing group (IATA)	: Not applicable
Packing group (ADN)	: Not applicable
Packing group (RID)	: Not applicable

#### 14.5. Environmental hazards

Dangerous for the environment	: No
Marine pollutant	: No
Other information	: No supplementary information available

#### 14.6. Special precautions for user

##### - Overland transport

No data available

##### - Transport by sea

No data available

##### - Air transport

No data available

##### - Inland waterway transport

Carriage prohibited (ADN)	: No
Not subject to ADN	: No

##### - Rail transport

Carriage prohibited (RID)	: No
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#### 14.7. Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

Not applicable

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### SECTION 15: Regulatory information

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

##### 15.1.1. EU-Regulations

Contains no REACH substances with Annex XVII restrictions

Contains no substance on the REACH candidate list

Contains no REACH Annex XIV substances

Detergent Regulation : Ingredient data sheet:

Component	CAS No	%
AQUA	7732-18-5	>=10%
SULFURIC ACID	7664-93-9	1 - 10%
Dipropyleneglycol	34590-94-8	1 - 10%
C9-11 ALCOHOL ETHOXYLATE 6-8 MOLES OF EO	68439-46-3	1 - 10%
METHOXYISOPROPANOL	107-98-2	1 - 10%
OXALIC ACID	144-62-7	1 - 10%
DODECYLBENZENE SULFONIC ACID	85536-14-7	0.1 - 1%
Alkylphosphate	39464-70-5	0.1 - 1%
PHOSPHORIC ACID	7664-38-2	0.1 - 1%
METHOXYPROPANOL	1589-47-5	<0.1%
sulphur dioxide	7446-09-5	<0.1%

Detergent Regulation : Labelling of contents:

Component	%
anionic surfactants, non-ionic surfactants	<5%

##### 15.1.2. National regulations

No additional information available

#### 15.2. Chemical safety assessment

No chemical safety assessment has been carried out

### SECTION 16: Other information

Full text of H- and EUH-statements:

Acute Tox. 3 (Inhalation)	Acute toxicity (inhal.), Category 3
Acute Tox. 4 (Dermal)	Acute toxicity (dermal), Category 4
Acute Tox. 4 (Oral)	Acute toxicity (oral), Category 4
Aquatic Chronic 3	Hazardous to the aquatic environment — Chronic Hazard, Category 3
Eye Dam. 1	Serious eye damage/eye irritation, Category 1
Flam. Liq. 3	Flammable liquids, Category 3
Press. Gas	Gases under pressure
Repr. 1B	Reproductive toxicity, Category 1B
Skin Corr. 1A	Skin corrosion/irritation, Category 1A
Skin Corr. 1B	Skin corrosion/irritation, Category 1B
Skin Corr. 1C	Skin corrosion/irritation, Category 1C
Skin Irrit. 2	Skin corrosion/irritation, Category 2
STOT SE 3	Specific target organ toxicity — Single exposure, Category 3, Narcosis
STOT SE 3	Specific target organ toxicity — Single exposure, Category 3, Respiratory tract irritation
H226	Flammable liquid and vapour
H302	Harmful if swallowed
H312	Harmful in contact with skin
H314	Causes severe skin burns and eye damage
H315	Causes skin irritation
H318	Causes serious eye damage
H331	Toxic if inhaled
H335	May cause respiratory irritation
H336	May cause drowsiness or dizziness
H360D	May damage the unborn child
H412	Harmful to aquatic life with long lasting effects



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SDS EU TURTLEWAX

*This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product*