

# PRODUCT SAFETY DATA SHEET

Ref: ALLOY WHEEL CLEANER (ACID) Date: 21.01.16 Page: 1

## 01. IDENTIFICATION OF SUBSTANCE / PREPARATIONS:

**Product name:** Alloy Wheel Cleaner (Acid)  
**Description:** For professional use only  
**Supplier:** MB Products (UK) Ltd  
t/a MB Coatings  
Unit 230 Ampress Business Park  
Lymington, Hampshire SO41 8JW  
Tel: 01590 677676 Fax: 01590 678578. [www.mbcoatings.co.uk](http://www.mbcoatings.co.uk)

## 02. COMPOSITION / INFORMATION ON INGREDIENTS:

Description	CAS No	EC No	% (Range)	Symbol	Classification
Phosphoric Acid 81.5%			40-50%	C	R34, H314
Alcohol Ethoxylate	68439-45-2		1-10%	Xn, Xi	R22, R41, H302, H318

**Xn – Harmful, Xi – Irritant, C - Corrosive**

The texts of the R & H phases are listed in chapter 15.

## 03. Hazards Identification:



**Corrosive**

**Risk Warnings**

- Corrosive
- Causes Burns

## 04. First Aid Measures:

**General**

In all cases of doubt, or when symptoms persist, seek medical attention. Never give anything by mouth to an unconscious person.

**Inhalation**

May cause irritation to the mucous membranes. Remove patient to fresh air & seek medical assistance. If breathing is irregular or stopped, administer artificial respiration. Give nothing by mouth. If unconscious place in recovery position.

**Skin Contact**

Causes severe skin burns. Remove contaminated clothing. Wash skin with soap & water, rinse abundantly. Do NOT use solvents or thinners.

**Eye Contact**

Causes severe eye damage. Contact lenses should be removed. Irrigate copiously with clean, fresh water for at least 15 minutes, holding the eyelids apart & seek medical advice.

**Ingestion**

Do NOT induce vomiting. Can cause gastric & / or intestinal disorders. Keep the patient warm and at rest & call a doctor immediately.

## 05. Fire-Fighting Measures:

**Suitable Extinguishing Media**

Absorb with inert absorbent material. Water may **NOT BE** used to extinguish fire but it should be used to cool the containers exposed to flames & prevent fires and explosions. Do not allow run-off from firefighting to enter drains or watercourses.

**Unsuitable Extinguishing Method**

Water Jet

**Special Hazards due to the Substance, its Decomposition Products or Gases products by Fire:**

Corrosive. Burning produces irritating, toxic & obnoxious fumes. Inhalation of dangerous decomposition products may cause serious damage to health.

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## Special Protective Equipment

Appropriate breathing apparatus, helmet with face shield, protection for neck may be required.

## Addition information

Cool closed containers in the vicinity of the source of fire.

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## 06. Accidental Release Measures:

### Person Protective Measures

Refer to protective measures listed in sections 5. Exclude sources of ignition & ventilate the area. Avoid breathing vapors.

### Measures to Protect the Environment

Do not allow to enter drains or watercourses. If the product enters drains or sewers, the local water company should be contacted immediately; in the case of contamination of streams, rivers or lakes the Environment Agency.

### Cleaning Measures

Contain and collect spillage with non-combustible absorbent materials & place in a suitable container for disposal according with the waste regulations (see section 13). Clean preferably with a detergent; avoid the use of solvents.

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## 07. Handling and Storage:

### Handling

#### Instructions for Safe Handling

Avoid skin & eye contact. Avoid inhalation of vapor. Smoking, eating & drinking are forbidden in application area. For personal protection see section 8. Comply with the Health and Safety at work laws.

### Storage

#### Requirements for Storage Areas and Containers

Keep container tightly closed. Never use pressure to empty; container is not a pressure vessel. Close containers carefully once opened & store upright in order to prevent any leakage. No smoking. Prevent unauthorized access.

#### Additional Information on Storage Conditions

Always keep in containers of the same material as the original one. Observe label precautions. Store in a well-ventilated place away from sources of heat and direct sunlight. Keep away from sources of ignition.

### Specific use(s)

Detailed information can be gained from the relevant technical data sheets.

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## 08. Exposure Controls / Personal Protection

### Engineering Measures

Provide adequate ventilation. If these are not sufficient to maintain concentrations at the work place below the occupational exposure limits, appropriate certified respirators must be worn.

### Personal Protection

#### Respiratory Protection

When workers are facing concentrations above the occupational exposure limited they must use appropriate certified respirators, goggles and overalls.

#### Hand Protection

Wear protective gloves. Any chemical protection glove certified according to EN 374 is suitable: e.g. nitrile gloves. Material thickness: 1.25 mm. The gloves should be replaced immediately in case of damage or signs of wear. It is recommended to use preventative skin protection (skin cream).

#### Eye Protection

Required when there is a risk of eye contact. Use tight-fitting protective goggles.

#### Skin Protection

Cotton or cotton/ synthetic overalls or coveralls are normally suitable, but grossly contaminated clothing must be removed and the skin washed with soap & water or a proprietary skin cleaner.

### Environmental exposure controls

See section 7 and 12

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## 09 Physical and Chemicals Properties

Physical state : Liquid

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Colour	: Colourless
Odour	: Characteristic
pH	: 2-3
Melting Point	: <0
Initial boiling point	: >100
Flash Point	: Not applicable
Relative density	: 1.2 typical
V.O.C.	: 0.502 Kgs/lt
Solubility in water	: Soluble in water

## **10. Stability and Reactivity**

Corrosive action on metals. Reacts with oxidizing agents/alkalis. Stable under recommended storage and handling conditions (see section 7)

### **Conditions to be avoided**

Avoid extremes of temperatures.

### **Substances to be avoided**

Keep away from alkaline solutions. May cause corrosion or discolouration of some metals.

### **Hazardous Decomposition Products**

Phosphorous oxides

## **11. Toxicological Information**

### **Toxicological information**

Alcohol Ethoxylate	Oral Rat LD50: >200-<2000mg/kg
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Causes burns to skin. Can cause strong corrosive effect to eyes & irritation to eyes. Classified as skin corrosive, no sensitisation tests required.

## **12. Ecological Information**

### **Toxicity**

Alcohol Ethoxylate	Daphnia EC50/48h: 1.000000 mg/l
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### **General**

Product will decrease the Ph of the effluent. (Acid). This is Inorganic based compound: therefore no biodegradation test are applicable. Does not accumulate in organisms. This substance is highly soluble & dissociation. No assessment is needed for inorganic compounds. The product should not be allowed to enter drains or watercourses. If the product enters drains or sewers, the local water company should be contacted immediately; in the case of contamination of streams, rivers or lakes the Environment Agency.

The Air Pollution Control requirements of regulations made under the Environmental Protection Act may apply to the use of this product.

## **13. Disposal Considerations**

Do not allow into drains or water courses or dispose of where ground or surface waters may be affected.

### **Recommendation**

Wastes including emptied containers are controlled wastes and should be disposed of in accordance with regulations made under the Control of Pollution & Environmental Protection Acts.

## **14. Transport Information**

**Transport by Road or Rail** - UN 3264, Corrosive Liquid, Acidic, Inorganic, N.O.S. (Phosphoric Acid) Class 8, Packing Group III

**Sea Transport** - UN 3264, Corrosive Liquid, Acidic, Inorganic, N.O.S. (Phosphoric Acid) Class 8, Packing Group III. Marine Pollutant: No

**International Road/Rail** – UN 3264, Corrosive Liquid, Acidic, Inorganic, N.O.S. (Phosphoric Acid)

ADR/RID Hazard id: 80, Tunnel Category: (E), Class 8, Packing Group III. Marine Pollutant: No.

IMDG:EmS Code: F-A S-B

**Air Transport** - IATA / UN 3264, Corrosive Liquid, Acidic, Inorganic, N.O.S. (Phosphoric Acid) Class 8, Packing Group III. Packing Instructions (CARGO): 856, Maximum quantity: 60L Packing Group: 852.

Packing Instructions (PASSENGER): 856, Maximum quantity: 5L

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## 15. Regulatory Information

### Classification



**Xn-Harmful Corrosive**

### Risk Warnings

- R22 : Harmful if swallowed.  
R34 : Causes burns.  
R41 : Risk of serious damage to eyes.

### H Phrases

- H314 : Causes severe skin burns & eye damage.  
H302 : Acute Toxic: Harmful if swallowed.  
H318 : Causes serious eye damage.

### P Phrases

- P280 : Wear protective gloves/clothing/eye & Face protection.  
P305+P351+P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses if present & easy to do so. Continue rinsing.

### **For use in industrial installations only.**

Danger labeling under regulations 67/548/EEC and 1999/45/EC and following amendments and adjustments.

Workers exposed to this chemical agent must not undergo health checks, providing that available risk-assessment data prove that the risks related to the worker's health and safety are modest and that the 98/24EC regulation is respected.

The information of this Safety Data Sheet is based on the present state of our knowledge and on current EU and national laws. The product is not to be used for other purposes than those specified under section 1 without first obtaining written handling instruction. It is always the responsibility of the user to take all necessary steps in order to fulfill the demands laid down in the local rules and legislation. The information in this SDS is meant as a description of the safety requirements of our product: it is not to be considered as a guarantee of the products' properties.