

Safety Data Sheet

Wheel Cleaner

1. Identification of the substance/mixture and of the company/undertaking

- 1.1. Product identifier Wheel Cleaner
- 1.2. Relevant identified uses of the substance or mixture and uses advised against
Acid Based Wheel Cleaner
- 1.3. Details of the supplier of the safety data sheet
Manufactured for PMA
83 Ducie Street
Manchester
M1 2JQ
+44 (0)333 313 3349
info@pmachemicals.co.uk

2. Hazards identification.

2.1. Classification of the substance or mixture:

The product is classified as hazardous pursuant to the provisions set forth in Directives 67/548/EEC and 1999/45/EC and/or EC Regulation 1272/2008 (CLP) (and subsequent amendments and supplements). The product requires a safety datasheet that complies with the provisions of EC Regulation 1907/2006 and subsequent amendments. Any additional information concerning the risks for health and/or the environment are given in sections 11 and 12 of this sheet.

2.1.1. Regulation 1272/2008 (CLP) and following amendments and adjustments.

Hazard classification and indication: Skin Irrit. 2 H315/320
GHS07

2.1.2. Directive 67/548/EEC and following amendments and adjustments.

Hazard classification and indication: Danger Symbols: Xi
R phrases: 36/38

The full wording of the Risk (R) and hazard (H) phrases is given in section 16 of the sheet.

2.2. Label elements:

(EC) No. 1272/2008

Warning symbols:



Signal Word:

Warning

Hazard Statement/s:

H315/320 Causes skin and eye irritation.
H335 May cause respiratory irritation.
Met. Corr. 1

Directive (1999/45/EEC)

Symbol



IRRITANT

Risk Phrase/s:

R36/38 Irritating to the eyes and skin
R37 Irritating to respiratory system

2.3. Other hazards:

Contains Hydrochloric Acid

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3. Composition/information on ingredients.

3.1. Substances.: Information not relevant.

3.2. Mixtures.

Chemical nature : Aqueous solution

Hazardous components	Amount [%]	Classification (REGULATION (EC) No 1272/2008)		Classification (67/548/EEC)
		Hazard class / Hazard category	Hazard statements	
hydrochloric acid Index-No. : 017-002-01-X CAS-No. : 7647-01-0 EC-No. : 231-595-7 Registration : 01-2119484862-27-xxxx	<=20%	Met. Corr.1 STOT SE3 Skin Corr.1B	H290 H335 H314	C; R34 Xi; R37

4. First aid measures

4.1. Description of first aid measures

General information

Remove soiled or soaked clothing immediately.
Ensure that the First Aid Personnel are aware of the product involved, and take precautions to protect themselves (e.g. wear personal protection equipment).

After inhalation:

Ensure supply of fresh air.

After contact with skin

In case of contact with skin wash off with water.

After contact with eyes

In case of contact with eyes rinse thoroughly with plenty of water and seek medical advice

After ingestion

Call in a physician immediately and show him the Safety Data Sheet.

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

Symptoms:

No symptoms known currently.

Hazards:

No hazards known at this time.

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

Treatment

Treat symptomatically.

5. Firefighting measures.

5.1. Extinguishing media.

SUITABLE EXTINGUISHING MEDIA

The product is non-flammable. Use extinguishing media appropriate for surrounding fire.

EXTINGUISHING MEDIA WHICH SHALL NOT BE USED FOR SAFETY REASONS:

None in particular.

5.2. Special hazards arising from the substance or mixture.

HAZARDS CAUSED BY EXPOSURE IN

THE EVENT OF FIRE

The product is non-flammable. Hazards caused by exposure would be for the surrounding fire.

5.3. Advice for fire fighters.

GENERAL INFORMATION

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The product is non-flammable. Use extinguishing media appropriate for surrounding fire.

SPECIAL PROTECTIVE EQUIPMENT FOR FIRE-FIGHTERS

Wear full protective clothing and breathing apparatus if there is a risk of exposure to smoke or fumes from other source.

6. Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Wear suitable personal protective equipment.
Ensure adequate ventilation.

6.2. Environmental precautions

Contain contaminated water/fire fighting water
Do not allow entry to drains, water courses or soil

6.3. Methods and material for containment and cleaning up

Take up with absorbent material (eg sand, kieselguhr, universal binder)
When picked up, treat material as prescribed under heading "Disposal".

6.4. Reference to other sections

Additional information

Small spills should present no problem Information regarding Safe handling, see chapter 7. Information regarding personal protective measures see, chapter 8. Information regarding Waste Disposal, see chapter 13.

7. Handling and storage.

7.1. Precautions for safe handling:

Store in closed, labelled containers.

7.2. Conditions for safe storage, including any incompatibilities.

Normal storage conditions without particular incompatibilities.

7.3. Specific end use(s):

Information not available. Refer product label

8. Exposure controls/personal protection

8.1. Control parameters

Component: hydrochloric acid	CAS-No. 7647-01-0
Other OELs	
EU ELV, Short Term Exposure Limit (STEL): 10 ppm, 15 mg/m ³ Indicative	
EU ELV, Time Weighted Average (TWA): 5 ppm, 8 mg/m ³ Indicative	
EH40 WEL, Time Weighted Average (TWA): 1 ppm, 2 mg/m ³	
EH40 WEL, Short Term Exposure Limit (STEL): 5 ppm, 8 mg/m ³	

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8.2. Exposure controls.

As the use of adequate technical equipment must always take priority over personal protection equipment, make sure that the workplace is well aired through effective local aspiration or bad air vent.

Ventilation:	No specific recommendation noted except this product must not be used in a confined space without good ventilation.
Respirators:	No specific recommendation made as there are no known adverse affects.
Protective Gloves	Chemical resistant gloves required for prolonged or repeated contact.
EYE PROTECTION:	Wear approved safety goggles.

9. Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state :	liquid
Form :	Liquid
Colour :	Clear
Odour :	not specified
Miscibility with water :	Miscible
Solubility/qualitative :	not tested.

9.2. Other information None

10. Stability and reactivity.

10.1. Reactivity:	There are no particular risks of reaction with other substances in normal conditions of use.
10.2. Chemical stability:	The product is stable in normal conditions of use and storage.
10.3. Possibility of hazardous reactions:	No hazardous reactions are foreseeable in normal conditions of use and storage.
10.4. Conditions to avoid:	None in particular, however the usual precautions used for chemical products should be respected i.e. Strong acids and other chemicals.
10.5. Incompatible materials:	Aluminium.
10.6. Hazardous decomposition products:	This product is not flammable

11. Toxicological information.

If large quantities are ingested, treat symptomatically. Do not induce vomiting. If irritant effects to skin and eyes occur, these will be mild to moderate, depending on exposure. If in contact with eyes, flushing with water is recommended. If contact with skin wash with clean water. If irritation persists over 72 hours seek medical attention.

11.1. Information on toxicological effects: Information not available.

Irritation	
Skin	
Result	corrosive effects (rabbit)
Eyes	

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Result	corrosive effects (rabbit) Risk of serious damage to eyes.
Sensitisation	
Result	not sensitizing (guinea pig) (Maximisation Test)
Further information	
Other relevant toxicity information	If ingested, severe burns of the mouth and throat, as well as a danger of perforation of the oesophagus and the stomach.
Component: hydrochloric acid	CAS-No. 7647-01-0
Oral	
LD50	900 mg/kg (rabbit)
Dermal	
LD50	> 5010 mg/kg (rabbit)

12. Ecological information

12.1. Toxicity

Component: hydrochloric acid	CAS-No. 7647-01-0
Fish	
LC50	7.45 mg/l (Oncorhynchus mykiss; 96 h)
LC50	24.6 mg/l (Lepomis macrochirus; 96 h)
Toxicity to daphnia and other aquatic invertebrates.	
EC50	0.492 mg/l (Daphnia magna; 48 h)
algae	
EC50	0.78 mg/l (Pseudokirchneriella subcapitata; 72 h)

12.2. Persistence and degradability

Component: hydrochloric acid	CAS-No. 7647-01-0
Persistence and degradability	
Biodegradability	
Result:	Inorganic product which is not removable from water by biological processes.

12.3. Bioaccumulative potential

Component: hydrochloric acid	CAS-No. 7647-01-0
Bioaccumulation	
Result:	Bioaccumulation is not expected. log Pow < 1

12.4. Mobility in soil

Component: hydrochloric acid	CAS-No. 7647-01-0
Mobility	
Result:	Not expected to adsorb on soil.

12.5. Results of PBT and vPvB assessment

Component: hydrochloric acid	CAS-No. 7647-01-0
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Results of PBT and vPvB assessment	
Result:	Non-classified vPvB substance, Non-classified PBT substance

12.6. Other adverse effects

Component: hydrochloric acid	CAS-No. 7647-01-0
Additional ecological information	
Remarks :	Harmful effects to aquatic organisms due to pH-shift. Neutralization is normally necessary before waste water is discharged into water treatment plants. Do not flush into surface water or sanitary sewer system.

13. Disposal considerations

13.1. Waste treatment methods

Product

Product should be disposed in accordance with relevant regulations .

14. Transport information

Section 14.1. to 14.5.

ADR	not restricted
ADNR	not restricted
RID	not restricted
IATA	not restricted
IMDG	not restricted

14.6. Special precautions for user

See sections 6 to 8 of this Safety Data Sheet.

15. Regulatory information

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

Other regulations:

Apart from the data/regulations specified in this chapter, no further information is available concerning safety, health and environmental protection.

15.2. Chemical safety assessment:

No chemical safety assessment has been processed for the mixture.

16. Other information

Legend

ADN	European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways
ADR	European Agreement concerning the International Carriage of Dangerous Goods by Road
CAS	Chemical Abstracts Service
DMEL	Derived Minimal Effect Level (genotoxic substances)
DNEL	Derived No Effect Level

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GHS	Globally Harmonized System
IATA	International Air Transport Association
IMDG	International Maritime Dangerous Goods
MARPOL	International Convention for the Prevention of Pollution From Ships
OEL	Occupational Exposure Limit
PBT	Persistent, Bio accumulative, Toxic
PNEC	Predicted No Effect Concentration
REACH	Registration, Evaluation, Authorisation and Restriction of Chemicals
RID	International Rule for Transport of Dangerous Substances by Railway
SVHC	Substances of Very High Concern
vPvB	very Persistent and very Bio accumulative

The data are based on the current state of our knowledge, and are intended to describe the product with regard to the requirements of safety. The data should not be taken to imply any guarantee of a particular or general specification. It is the responsibility of the user of the product to ensure to his satisfaction that the product is suitable for the intended purpose and method of use. We do not accept responsibility for any harm caused by the use of this information. In all cases, our general conditions of sale apply.