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PACER®
For Professional Results

Car Clean Products NZ Limited
Ph + 64 9 250 0091 - Fax + 64 9 250 0092 - www.pacer.co.nz
33 Ha Crescent, Wiri - P O Box 97 948 - Manukau – Auckland 2241 - New Zealand

SAFETY DATA SHEET

Section 1. Identification of the material and the supplier

Product:	Mag Wheel Cleaner
Product Code:	MWC
Product Use:	To remove brake dust, road film, oxidation and dirt from non-painted mag wheels and aluminum boats
New Zealand Supplier:	Car Clean Products NZ Limited
Address:	33 Ha Crescent Wiri Auckland
Telephone:	09 250 0091
Fax Number:	09 250 0092
Emergency Telephone:	**0800 POISON (0800 764 766)**
Date of MSDS Preparation:	February 2019

Section 2. Hazards Identification

Potential Health Effects

Hydrofluoric acid solutions are toxic and corrosive. Every care must be taken to ensure that this product does not come into contact with eyes. Skin must be washed with soapy water immediately after any contact.
The antidote for hydrofluoric acid poisoning is calcium gluconate as a gel or tablets. The concentration in this product is sufficiently low that this should not be necessary. However it is wise to have the antidote on hand if extensive skin contact could occur.



DANGER

H301 Toxic if swallowed
H311 Toxic if contact with skin
H314 Causes serious skin burns and eye damage
H370 Causes damage to organs

Swallowed	Liquid is corrosive to mucous membranes
Eyes	Extremely irritating can cause severe burns and prolonged or permanent loss of sight
Skin	Extremely irritating to skin can cause immediate burns. Pain may not be noticed for some hours. In extreme cases skin is readily penetrated causing liquefaction necrosis of the soft tissues and decalcification of the bone
Inhalation	Vapour is corrosive and irritating to the respiratory tract. Exposure to high concentrations may cause bronchitis

Section 3. Composition / Information on Ingredients

Ingredients	Proportion (% mass)	Cas No
Water	<80	7732-18-5
Phosphoric Acid	<14	7664-38-2
Hydrofluoric Acid	<1	7664-93-3
Nonylphenol ethoxylate	<1	9016-45-9
Ethylene Glycol monobutyl ether	>1	111-76-2

Section 4. First Aid Measures

Routes of Exposure:

Eye	Hold eyes open and flush with water for at least 15 minutes. Seek medical attention immediately. **TAKE THIS SDS or CONTAINER**
Skin	Immediately remove contaminated clothing and wash skin and clothes thoroughly with soap and water. Treat immediately with calcium gluconate antidote gel
Ingestion	Do not induce vomiting. Give large quantity of milk or water. Seek medical attention immediately. **TAKE THIS SDS or CONTAINER.**
Inhalation	Remove to fresh air. If breathing is difficult, seek medical attention immediately

Section 5. Fire Fighting Measures

Suitable Extinguishing media	Dry Chemical powder
Fire and Explosion hazards	Non combustible liquid but will form corrosive vapour

Fire Fighting Instructions	Fire fighters must use recommended protective equipment and self-contained breathing apparatus.
	Hazchem Code 2X

Section 6. Accidental Release Measures

Land Spill or Leaks	Wear protective gloves and goggles and protect exposed skin. Remove unprotected personnel from the area. Contain spill with sand, earth or vermiculite. Transfer to a waste container. Label container as hazardous waste, toxic and corrosive, for approved disposal.
Water	Small spills and leaks should not pose any long term effects to aquatic environment. Large spills should be advised to the nearest regional council pollution officer to assist with containment and remediation.

Section 7. Handling and Storage

Handling Advice	For normal label use it is advisable to wear goggles and gloves. For bulk handling and transfer use a full-face mask, gloves, and safety gumboots.
Storing Procedures	Store away from heat and direct sunlight. Do not store next to food or feedstuffs. Check regularly for leaks. Ensure adequate ventilation. **Keep out of reach of children**.

Section 8 Exposure Controls / Personal Protection

Engineering Controls:	Use in well ventilated area. Ensure containers have hazardous labels.
Personal Protective Equipment:	Advisable to wear PVC or Viton gloves for normal label use. For bulk use and transfer also wear SAA approved acid vapour respirator and PVC safety gumboots.

Section 9 Physical and Chemical Properties

Appearance	Pale Green liquid
Odour:	Sharp, acidic
Odour threshold	Data not available
pH:	<1
Melting/Freezing point	Data not available
Initial boiling point/range	Data not available
Flash point	N/A

Flammability	N/A
Upper/Lower flammability limits	N/A
Vapour pressure	Data not available
Vapour density	Data not available
Relative density	Data not available
Solubility in water:	100%
Partition coefficient	Data not available
Auto-ignition temperature	N/A
Decomposition temperature	Data not available
Kinematic viscosity	Data not available
Particle characteristics	Data not available

Section 10. Stability and Reactivity

Chemical Stability	Stable, but will give off corrosive vapour
Conditions to Avoid	High temperatures
Incompatibility	Metals and strong alkalis
Hazardous Decomposition Products	Can form hydrogen in the presence of zinc or aluminium. Toxic fumes in a fire.

Section 11 Toxicological Information

Acute Inhalation Toxicity	LC_{50} Mouse (inhalation) 4Hour 14mg/L air
Long term Effects	Insufficient information is available to establish any chronic effects
Toxicological Data	Insufficient information available

Section 12. Ecotoxicological Information

Environmental Precautions:

Ecological Toxicity	*Toxic to all forms of marine organisms, terrestrial vertebrates and invertebrates.*

Environmental Fate:

Soil	*Biodegradable, not likely to persist*
Water	*Biodegradable, not likely to persist*
Environmental Exposure Limits	EEL_{water} : Not set

Section 13. Disposal Considerations

Dispose of waste at an appropriate waste disposal facility in accordance with local authority bylaws

Section 14 Transport Information

Road, Rail, Marine and Air Transport

UN No	3264
Class-primary	8
Packing Group	III
Proper Shipping Name	Corrosive liquid acid inorganic N.O.S. (dilute hydrofluoric acid)

Section 15 Regulatory Information

HSNO Classification	Acutely toxic class 6.1D, Toxic to human target organs 6.9A (oral and inhalation), Corrosive to metals 8.1A Corrosive to skin 8.2C Corrosive to eye 8.3A Ecotoxic to terrestrial vertebrates 9.3B
Group Standard	Cleaning Products (Corrosive)
ERMA Approval No	HSR002526

Section 16 Other Information

Supplied in 1lt, 4lt, 20lt containers. Code: MWC1, MWC4, MWC20.

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The information herein is given in good faith, but no warranty, express or implied is made.

Please contact the New Zealand proprietor, Car Clean Products NZ Limited,
Phone: 09 250 0091, if further information is required.

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MAG WHEEL CLEANER

PURPOSE:
Mag Wheel Cleaner is a powerful blend of acids and detergents formulated to remove brake dust, road film, oxidation and dirt from older mag wheels and aluminum boats.

CAUTION:
Do **NOT** use on clear coated, anodized, chrome, painted, plastic or any other kind of coated surface. Use **ONLY** on alloy, aluminum and magnesium surfaces.

DIRECTIONS:
Dilute 1 part Mag Wheel Cleaner to 10 parts water. Spray onto surface and allow a few minutes to react. Agitate with a brush and rinse thoroughly with water. Repeat the process if necessary.

WARNING:
Corrosive to human tissue. Harmful if swallowed, inhaled or absorbed through the skin. May cause burns to skin and eyes.

KEEP OUT OF REACH OF CHILDREN.