

SAFETY DATA SHEET

According to
HSNO Hazardous Substances (Safety Data Sheets) Notice 2017

Section 1: Identification of the Substance/Mixture and of the Supplier

Product: **Mag Wheel Cleaner**
 Product Use: Mag Wheel Cleaner
 Restriction of Use: Refer to Section 15

Company Details: **Marketing Chemicals Ltd**
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 Auckland, New Zealand

Telephone: +64 9 634 3862 [8.00 am to 4.30pm – Monday to Friday]
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Emergency No: **+64 274 340990(24 hours)**
0800 764 766 (National Poison Centre)

Date of SDS Preparation: 3 September 2024 v2

Section 2: Hazard Identification

This substance is hazardous according to the EPA Hazardous Substances (Classification) Notice 2020

EPA Approval No: **Cleaning Products (Toxic, Corrosive) - HSR0002595**

Pictograms:



Toxic



Chronic



Corrosive



Ecotoxic

Signal Word: **DANGER**

GHS Category

Acute oral toxicity Cat. 3
 Acute dermal toxicity Cat. 3
 Acute inhalation toxicity Cat. 4
 Specific target organ toxicity –
 repeated exposure Cat. 1
 Corrosive to metals Cat. 1
 Skin corrosion Cat. 1B
 Serious eye damage Cat. 1
 Hazardous to the aquatic
 environment chronic Cat. 3

Hazard Code

H301
 H311
 H332
 H372
 H290
 H314
 H318
 H412

Hazard Statement

Toxic if swallowed.
 Toxic in contact with skin.
 Harmful if inhaled.
 Causes damage to organs through
 prolonged or repeated exposure.
 May be corrosive to metals.
 Causes severe skin burns and eye damage.
 Causes serious eye damage.
 Harmful to aquatic life with long lasting
 effects.

Prevention Code

P102
 P103
 P234
 P260
 P264

Prevention Statement

Keep out of reach of children.
 Read label before use.
 Keep only in original container.
 Do not breathe fumes, vapours or spray.
 Wash hands thoroughly after handling.

P270 Do not eat, drink or smoke when using this product.
P271 Use only outdoors or in a well-ventilated area.
P273 Avoid release to the environment.
P280 Wear protective clothing as detailed in Section 8.

Response code Response Statement
P101 If medical advice is needed, have product container or label at hand.
P310 Immediately call a POISON CENTER or doctor/physician.
P363 Wash contaminated clothing before reuse.
P390 Absorb spillage to prevent material damage.
P391 Collect spillage.
P301 + P310 IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician.
P301 + P330+P331 IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.
P303 + P361+P353 IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower.
P304 + P340 IF INHALED: Remove to fresh air and keep at rest in a position comfortable for breathing.
P305 + P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

Storage Code Storage Statement
P406 Store in corrosive resistant container with a resistant inner liner.
P405 Store locked up.

Disposal Code Disposal Statement
P501 Refer to Section 13.

Section 3: Composition/Information on Ingredients

Ingredients	Wt%	CAS NUMBER.
Phosphoric Acid	25-30	7664-38-2
hydrogen fluoride	5-8	7664-39-3
emulsifier, anionic surfactant	1-3	Mixture
Oxamin	0.5-1	1643-20-5
Water	Bal	7732-18-5

Section 4: First Aid Measures

Routes of Exposure:

If in Eyes Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention.

If on Skin Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower. Wash contaminated clothing before reuse. If skin irritation occurs: Get medical advice/attention.

If Swallowed Rinse mouth. Do NOT induce vomiting. If vomiting occurs, lean patient forward or place on left side (head-down position, if possible) to maintain open airway and prevent aspiration. Observe the patient carefully. Never give liquid to a person showing signs of being sleepy or with reduced awareness; i.e. becoming unconscious. Immediately call a POISON CENTER or doctor/physician if you feel unwell.

If Inhaled Remove person to fresh air. Remove contaminated clothing and loosen remaining clothing. Allow person to assume most comfortable position and keep warm. Keep at rest until fully recovered. Apply artificial respiration if not breathing. Immediately call a POISON CENTER or doctor/physician.

Most important symptoms and effects, both acute and delayed

Symptoms:

Ingestion	Toxic if swallowed.
Inhalation	Harmful if inhaled.
Skin	Toxic in contact with skin. Causes severe skin burns.
Eyes	Causes serious eye damage.
Chronic	Causes damage to organs through prolonged or repeated exposure.

Section 5: Fire Fighting Measures

Hazard Type	Non Flammable.
Hazards from products	Thermal decomposition may result in fumes of phosgene and chlorides
Suitable Extinguishing media	Water spray or fog, Dry Chemical Powder, Foam or Carbon Dioxide
Precautions for firefighters and special protective clothing	Wear full protective gear.
HAZCHEM CODE	1Z

Section 6: Accidental Release Measures

Wear protective clothing as detailed in Section 8. Evacuate all unnecessary personnel. Stop the leak, if possible.

Do not allow to enter waterways.

If product is released or spilled: Neutralise with dilute alkali (soda ash or slaked lime) & then flush away with copious amounts of running water.

Section 7: Handling and Storage

PROCEDURE FOR HANDLING

- Read label before use.
- Keep only in original container.
- Do not breathe fumes, vapours or spray.
- Wash hands thoroughly after handling.
- Do not eat, drink or smoke when using this product.
- Use only outdoors or in a well-ventilated area.
- Avoid release to the environment.
- Wear protective clothing as detailed in Section 8.

STORAGE REQUIREMENTS

- Store in corrosive resistant container with a resistant inner liner.
- Keep out of reach of children.
- Store locked up.
- Store away from incompatible materials listed in Section 10.
- Store in the original container.
- Protect from physical damage.
- Clean up all spills immediately to prevent secondary accidents.

Section 8: Exposure Controls / Personal Protection

WORKPLACE EXPOSURE STANDARDS (provided for guidance only)

Substance	TWA		STEL	
	ppm	mg/m ³	ppm	mg/m ³

Workplace Exposure Standard – Time Weighted Average (WES-TWA). The time-weighted average exposure standard designed to protect the worker from the effects of long-term exposure. Workplace Exposure Standard – Short-Term Exposure Limit (WESSTEL). The 15-minute average exposure standard. Applies to any 15- Minute period in the working day and is designed to protect the worker against adverse effects of irritation, chronic or irreversible tissue change, or narcosis that may increase the likelihood of accidents. The WES-STEL is not an alternative to the WES-TWA; both the short-term and time-weighted average exposures apply. Workplace Exposure Standards and Biological Exposure Indices NOV 2023 14TH EDITION.

Personal Protection Equipment



Engineering Controls:	Normal ventilation
Eye / Face Protection:	Safety glasses/Full face protection
Body Protection:	Protective gloves and overalls.
Respiratory Protection:	Not required.

Section 9: Physical and Chemical Properties

Appearance	Liquid
Colour	Clear
Odour	Not available
Odour Threshold	Not available
pH	2.0 – 4.0
Boiling Point	>100 ⁰ C
Melting Point	Not available
Freezing Point	Not available
Flash Point	Not available
Flammability	Non Flammable
Upper and Lower Explosive Limits	Not available
Vapour Pressure	Not available
Vapour Density	Not available
Specific Gravity	1.32
Solubility in Water	Complete
Partition Coefficient:	Not available
Auto-ignition Temperature	Not available
Decomposition Temperature	Not available
Kinematic Viscosity	Not available
Particle Characteristics	Not applicable
Evaporation Rate	Not available

Section 10: Stability and Reactivity

Stability of the Substance:	Stable under normal storage and use conditions.
Conditions to avoid:	None known.
Materials to avoid:	Alkali, Oxidising agents
Hazardous Decomposition Products:	Thermal decomposition may result in fumes of phosgene and chlorides
Conditions Contributing to Hazardous Polymerization	Not known.

Section 11: Toxicological Information

Acute Effects:

Product Name: Mag Wheel Cleaner
Date of SDS: 03 September 2024

SDS Prepared by: Technical Compliance Consultants (NZ) Ltd
Tel: 64 9 475 5240 www.techcomp.co.nz

Swallowed	Toxic if swallowed. Mixture rules calculation = LD50 = 89.48mg/kg
Dermal	Toxic in contact with skin. Mixture rules calculation = LD50 = 838.17mg/kg
Inhalation	Harmful if inhaled. LC50 = 2.6mg/l
Eye	Causes serious eye damage.
Skin	Causes skin burns.

Chronic Effects:

Carcinogenicity	Not applicable.
Reproductive Toxicity	Not applicable.
Germ Cell Mutagenicity	Not applicable.
Aspiration	Not applicable.
STOT/SE	Not applicable.
STOT/RE	Causes damage to organs through prolonged or repeated exposure.

Individual component information:

Acute Toxicity:

Chemical Name	Oral – LD50	Dermal – LD50	Inhalation – LC50
Phosphoric Acid (Cas No 7664-38-2)	1530 mg/kg (rat)	2740mg/kg (rabbit)	-
Hydrogen Fluoride (Cas No 7664-39-3)	-	-	0.14mg/L/1hr (mouse)

Section 12: Ecotoxicological Information

Harmful to aquatic life with long lasting effects

Environmental Precautions: Do not allow product to wash into waterways.

Persistence and degradability	No data available
Bioaccumulation	No data available
Mobility in Soil	No data available
Other adverse effects	No data available

Individual component information (Please refer to www.epa.govt.co.nz for full details):

Hydrogen Fluoride (Cas No 7664-39-3)

Route	Species	Duration	Value LC50/EC50
Aquatic, fish	Oncorhynchus mykiss	96 hr	51 mg/L
Acute aquatic, Crustacean	Daphnia magna	48 hr	97 mg/L
Chronic aquatic, Crustacean	Daphnia magna	21 day	3.7 mg/L
Algae	Scenedesmus sp.	96hr	43mg/L
Bioaccumulative	No		
Rapidly Degradable	Yes		

Section 13: Disposal Considerations

Disposal Method:

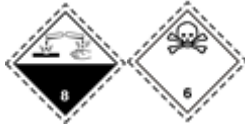
Spent media that has removed toxic chemicals should be examined for specific hazards. Spilled product may be recovered for use if it has not come in contact with liquids or been exposed to significant amounts of gaseous contaminants. Dispose of according to Local Regulations.

Ensure any container holding waste product or contaminated spill media is labelled “Hazardous Waste – Toxic, Corrosive, Ecotoxic” and that the label also has the Toxic, Chronic and Ecotoxic Pictogram, waste type identifier, and the business name, address, and phone number.

Precautions or methods to avoid: Avoid release to the environment.

Section 14: Transport Information

This product is classified as a Dangerous Good for transport in NZ ; NZS 5433:2020 and SNZ HB 5433:2021



Road, Rail, Sea and Air Transport

UN No	3264
Class - Primary	8
Packing Group	II
Proper Shipping Name	CORROSIVE LIQUID, ACIDIC, INORGANIC, N.O.S.
Marine Pollutant	No
Special Provisions	If the product's individual container is below 1L/kg, it can be transported as a non-DG as long as the product packaging is still labelled as per DG requirements and the driver is given safety information in accordance with Chapter 3.4 of the UNRTDG.

Section 15: Regulatory Information

This substance is classified hazardous according to the EPA Hazardous Substances (Classification) Notice 2020

EPA Approval Code: Cleaning Products (Toxic, Corrosive) - HSR0002595

HSW (HS) Regulations 2017 and EPA Notices	Trigger Quantity
Certified Handler	Not required
Location Certificate	250L
Tracking Trigger Quantities	Not required
Signage Trigger Quantities	250L
Emergency Response Plan	100L
Secondary Containment	100L
Restriction of Use	None

Section 16: Other Information

Glossary

EC ₅₀	Median effective concentration.
EEL	Environmental Exposure Limit.
EPA	Environmental Protection Authority
HSNO	Hazardous Substances and New Organisms.
HSW	Health and Safety at Work.
LC ₅₀	Lethal concentration that will kill 50% of the test organisms inhaling or ingesting it.
LD ₅₀	Lethal dose to kill 50% of test animals/organisms.
LEL	Lower explosive level.
OSHA	American Occupational Safety and Health Administration.
TEL	Tolerable Exposure Limit.
TLV	Threshold Limit Value-an exposure limit set by responsible authority.
UEL	Upper Explosive Level
WES	Workplace Exposure Limit

References:

1. EPA Hazardous Substances (Safety Data Sheets) Notice 2017

Product Name: Mag Wheel Cleaner
Date of SDS: 03 September 2024

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Tel: 64 9 475 5240 www.techcomp.co.nz

2. Workplace Exposure Standards and Biological Exposure Indices Nov 2023 14th edition.
3. Assigning a hazardous substance to a HSNO Approval (Aug 2013).
4. Transport of Dangerous goods on land NZS 5433:2020
5. HSW (Hazardous Substances) Regulations 2017

Disclaimer

Marketing Chemicals Ltd has taken care in compiling this information. No liability is accepted directly or indirectly from its application as conditions of use are outside the Company's control. End users are obliged to conform to relevant Local Government regulations.

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