

SAFETY DATA SHEET

according to HSNO Act 1996

Printing date 02.10.2018

Revision: 02.10.2018

1 . IDENTIFICATION: PRODUCT IDENTIFIER AND CHEMICAL IDENTITY**Product Name:** RUST REMOVER**Other Means of Identification:** Mixture**Recommended Use of the Chemical and Restriction on Use:** Rust remover**Details of Manufacturer or Importer:**GMR Imports
4 Bute St, Invercargill,
Southland, 9810, NZ**Phone Number:** 0800 800 718**Emergency telephone number:** 0800 800 718**2 . HAZARDS IDENTIFICATION****Hazardous Nature:**

Classified as Hazardous according to the Globally Harmonised System of Classification and Labelling of Chemicals (GHS) and New Zealand Hazardous Substances (Minimum Degrees of Hazard) Regulations 2001. Classified as Dangerous Goods for transport according to the New Zealand Standard NZS 5433:2007 Transport of Dangerous Goods on Land.



flame

Flammable Liquids 3

H226 Flammable liquid and vapour.



health hazard

Toxic To Reproduction 2

H361 Suspected of damaging fertility or the unborn child.

STOT SE 2

H371 May cause damage to organs.



corrosion

Corrosive To Metals 1

H290 May be corrosive to metals.

Skin Corrosion/Irritation 1C

H314 Causes severe skin burns and eye damage.

Serious Eye Damage/Irritation 1

H318 Causes serious eye damage.



environment

Aquatic Chronic 2

H411 Toxic to aquatic life with long lasting effects.



Acute Toxicity (Oral) 4

H302 Harmful if swallowed.

Acute Toxicity (Dermal) 4

H312 Harmful in contact with skin.

Acute Toxicity (Inhalation) 4

H332 Harmful if inhaled.

Aquatic Acute 2

H401 Toxic to aquatic life.

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HSNO Classification

- 3.1C - Flammable liquid - medium hazard.
- 6.1D - Substances that are acutely toxic - Harmful.
- 6.8B - Substances that are suspected human reproductive or developmental toxicants.
- 6.9B - Substances that are harmful to human target organs or systems.
- 8.1A - Substances that are corrosive to metals.
- 8.2C - Substances that are corrosive to dermal tissue UN PGIII.
- 8.3A - Substances that are corrosive to ocular tissue.
- 9.1D - Substances that are slightly harmful to the aquatic environment or are otherwise designed for biocidal action.
- 9.3C - Substances that are harmful to terrestrial vertebrates.

Signal Word Danger**Hazard Statements**

- H226 Flammable liquid and vapour.
- H290 May be corrosive to metals.
- H302+H312+H332 Harmful if swallowed, in contact with skin or if inhaled.
- H314 Causes severe skin burns and eye damage.
- H361 Suspected of damaging fertility or the unborn child.
- H371 May cause damage to organs.
- H411 Toxic to aquatic life with long lasting effects.

Precautionary Statements

- P201 Obtain special instructions before use.
- P202 Do not handle until all safety precautions have been read and understood.
- P210 Keep away from heat/sparks/open flames/hot surfaces. No smoking.
- P233 Keep container tightly closed.
- P234 Keep only in original container.
- P240 Ground/bond container and receiving equipment.
- P241 Use explosion-proof electrical/ventilating/lighting equipment.
- P242 Use only non-sparking tools.
- P243 Take precautionary measures against static discharge.
- P260 Do not breathe dusts or mists.
- P264 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 gloves/protective clothing/eye protection/face protection.
- P301+P312 IF SWALLOWED: Call a POISON CENTER/doctor if you feel unwell.
- P301+P330+P331 IF SWALLOWED: rinse mouth. Do NOT induce vomiting.
- P303+P361+P353 IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower.
- P304+P340 IF INHALED: Remove person to fresh air and keep 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.
- P310 Immediately call a POISON CENTER/doctor.
- P308+P313 IF exposed or concerned: Get medical advice/attention.
- P321 Specific treatment (see on this label).
- P362+P364 Take off contaminated clothing and wash it before reuse.
- P363 Wash contaminated clothing before reuse.
- P370+P378 In case of fire: Use to extinguish: CO₂, powder or water spray.
- P390 Absorb spillage to prevent material damage.
- P403+P235 Store in a well-ventilated place. Keep cool.
- P405 Store locked up.

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P406

Store in corrosive resistant container /container with a corrosion resistant inner liner.

P501

Dispose of contents/container in accordance with local/regional/national regulations.

3 . COMPOSITION AND INFORMATION ON INGREDIENTS

Chemical Characterization: Mixtures

Description: Mixture of substances listed below with nonhazardous additions.

Hazardous Components:

CAS: 7664-38-2	Phosphoric acid ⚠ Corrosive To Metals 1, H290; Skin Corrosion/Irritation 1C, H314; Serious Eye Damage/Irritation 1, H318; ⚠ Acute Toxicity (Oral) 4, H302; Acute Toxicity (Dermal) 4, H312; Acute Toxicity (Inhalation) 4, H332; Aquatic Acute 2, H401; Aquatic Chronic 3, H412	41.080%
CAS: 64-17-5	Ethanol ⚠ Flammable Liquids 2, H225; ⚠ Serious Eye Damage/Irritation 2A, H319	24.570%
CAS: 67-56-1	Methanol ⚠ Flammable Liquids 2, H225; ⚠ Acute Toxicity (Oral) 3, H301; Acute Toxicity (Dermal) 3, H311; Acute Toxicity (Inhalation) 3, H331; ⚠ Toxic To Reproduction 2, H361; STOT SE 2, H371	1.020%

4 . FIRST AID MEASURES

Inhalation:

If inhaled, remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Seek medical attention if breathing problems develop.

Skin Contact:

In case of skin contact, immediately remove contaminated clothing and wash affected areas with water and soap. Seek medical attention if symptoms occur.

Eye Contact:

In case of eye contact, hold eyelids open and rinse with water for at least 15 minutes. Seek medical attention if symptoms occur.

Ingestion:

If swallowed, do not induce vomiting. Never give anything by mouth to an unconscious person. Seek medical attention.

Symptoms Caused by Exposure:

Inhalation: Harmful if inhaled. May cause irritation of the throat and chest tightness.

Skin Contact: Harmful in contact with skin. Causes severe skin burns.

Eye Contact: Causes serious eye damage and redness.

Ingestion: Harmful if swallowed. May cause irritation and redness of the mouth and throat.

5 . FIRE FIGHTING MEASURES

Suitable Extinguishing Media: Water fog, alcohol resistant foam, dry chemical powder or carbon dioxide.

Specific Hazards Arising from the Chemical:

Hazardous combustion products include oxides of carbon.

Product is flammable. Vapours may travel considerable distances to a source of ignition where they can ignite, flashback, or explode.

Closed containers may explode when exposed to extreme heat. Containers close to fire should be removed if safe to do so. Use water spray to cool fire exposed containers.

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Special Protective Equipment and Precautions for Fire Fighters:

When fighting a major fire wear self-contained breathing apparatus and protective equipment.

6 . ACCIDENTAL RELEASE MEASURES

Personal Precautions, Protective Equipment and Emergency Procedures:

Wear approved respiratory protection, chemical resistant gloves, protective clothing and safety boots. Evacuate all non-essential personnel from affected area. Do not breathe vapours. Ensure adequate ventilation. Extinguish all sources of ignition. Avoid sparks and open flames. No smoking.

Environmental Precautions:

In the event of a major spill, prevent spillage from entering drains or water courses.

Methods and Materials for Containment and Cleaning Up:

Stop leak if safe to do so and absorb spill with sand, earth, vermiculite or some other absorbent material. Collect the spilled material and place into a suitable container for disposal. Use only non-sparking tools.

7 . HANDLING AND STORAGE

Precautions for Safe Handling:

Use of safe work practices are recommended to avoid eye or skin contact and inhalation of vapours. Use only outdoors or in a well-ventilated area.

Take precautionary measures against static discharge. Food, beverages and tobacco products should not be stored or consumed where this material is in use. Always wash hands before smoking, eating, drinking or using the toilet. Wash contaminated clothing and other protective equipment before storage or re-use. Provide eyewash fountains and safety showers in close proximity to points of potential exposure.

Conditions for Safe Storage:

Store in a cool, dry and well ventilated area. Keep container tightly closed when not in use. Only store in original container. Protect from heat, sparks, open flames, hot surfaces and direct sunlight. Keep away from strong oxidising agents, strong reducing agents and metals.

8 . EXPOSURE CONTROLS AND PERSONAL PROTECTION

Exposure Standards:

CAS: 7664-38-2 Phosphoric acid

WES TWA: 1 mg/m³

CAS: 64-17-5 Ethanol

WES TWA: 1880 mg/m³, 1000 ppm

CAS: 67-56-1 Methanol

WES STEL: 328 mg/m³, 250 ppm
TWA: 262 mg/m³, 200 ppm
skin, bio

Engineering Controls:

Maintain air concentration below occupational exposure standards, providing adequate ventilation. Use explosion-proof ventilating equipment.

Respiratory Protection:

Use an approved type A vapour respirator under conditions where exposure to the substance is apparent (e.g. generation of high concentrations of mist or vapour, inadequate ventilation, development of respiratory tract irritation) and engineering controls are not feasible. See Australian Standards AS/NZS 1715 and 1716 for more information.

Skin Protection:

Protective gloves. See Australian/New Zealand Standard AS/NZS 2161 for more information. When selecting gloves for use against certain chemicals, the degradation resistance, permeation rate and permeation

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breakthrough time should be considered.

Occupational protective clothing (depending on conditions in which it has to be used, in particular as regards the period for which it is worn, which shall be determined on the basis of the seriousness of the risk, the frequency of exposure to the risk, the characteristics of the workstation of each worker and the performance of the protective clothing). See Australian/New Zealand Standard AS/NZS 4501 for more information.

Eye and Face Protection:

Eye and face protectors for protection against splashing materials or liquids. See Australian/New Zealand Standard AS/NZS 1337 for more information.

9 . PHYSICAL AND CHEMICAL PROPERTIES
Appearance:

Form:	Liquid
Colour:	Colourless
Odour:	Alcoholic
Odour Threshold:	No information available
pH-Value:	No information available
Melting point/freezing point:	No information available
Initial Boiling Point/Boiling Range:	80 °C
Flash Point:	32 °C
Flammability:	Flammable.
Auto-ignition Temperature:	No information available
Decomposition Temperature:	No information available
Explosion Limits:	
Lower:	No information available
Upper:	No information available
Vapour Pressure:	No information available
Relative Density at 20 °C:	1.120 - 1.175
Vapour Density:	No information available
Evaporation Rate:	No information available
Solubility in Water:	Miscible
Solubility in Solvents:	Soluble in ethanol and methanol.
Partition Coefficient (n-octanol/water):	No information available
Viscosity:	No information available
VOC:	No information available

10 . STABILITY AND REACTIVITY
Possibility of Hazardous Reactions:

Hazardous polymerisation will not occur.
May be corrosive to metals.

Chemical Stability: Stable at ambient temperature and under normal conditions of use.

Conditions to Avoid: Heat, sparks, open flames, hot surfaces and direct sunlight.

Incompatible Materials: Strong oxidising agents, strong reducing agents and metals.

Hazardous Decomposition Products: Oxides of carbon.

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11 . TOXICOLOGICAL INFORMATION**Toxicity:****LD₅₀/LC₅₀ Values Relevant for Classification:****CAS: 7664-38-2 Phosphoric acid**

Oral	LD ₅₀	1,530 mg/kg (rat)
Dermal	LD ₅₀	2,740 mg/kg (rabbit)
Inhalation	LC ₅₀ /1 h	>850 mg/m ³ (rat)

CAS: 64-17-5 Ethanol

Oral	LD ₅₀	7,060 mg/kg (rat)
Inhalation	LC ₅₀ /4 h	20,000 mg/l (rat)

CAS: 67-56-1 Methanol

Oral	LD ₅₀	5,628 mg/kg (rat)
Dermal	LD ₅₀	15,800 mg/kg (rabbit)
Inhalation	LC ₅₀ /4 h	83.8 mg/l (rat)

Acute Health Effects**Inhalation:** Harmful if inhaled. May cause irritation of the throat and chest tightness.**Skin:** Harmful in contact with skin. Causes severe skin burns.**Eye:** Causes serious eye damage and redness.**Ingestion:** Harmful if swallowed. May cause irritation and redness of the mouth and throat.**Skin Corrosion / Irritation:** Causes severe skin burns.**Serious Eye Damage / Irritation:** Causes serious eye damage.**Respiratory or Skin Sensitisation:** Based on classification principles, the classification criteria are not met.**Germ Cell Mutagenicity:** Based on classification principles, the classification criteria are not met.**Carcinogenicity:** This product does NOT contain any IARC listed chemicals.**Reproductive Toxicity:** Suspected of damaging fertility or the unborn child.**Specific Target Organ Toxicity (STOT) - Single Exposure:** May cause damage to organs.**Specific Target Organ Toxicity (STOT) - Repeated Exposure:**

Based on classification principles, the classification criteria are not met.

Aspiration Hazard: Based on classification principles, the classification criteria are not met.**Chronic Health Effects:** No information available**Existing Conditions Aggravated by Exposure:** No information available**Additional toxicological information:** No information available**12 . ECOLOGICAL INFORMATION****Ecotoxicity:** Harmful to terrestrial vertebrates.**Aquatic toxicity:**

Toxic to aquatic life with long lasting effects.

CAS: 7664-38-2 Phosphoric acid

EC ₅₀	270 mg/l (activated sludge inhibition)
EC ₅₀ /48 h	>100 mg/l (daphnia)

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EC ₅₀ /72 h	>100 mg/l (scenedesmus subspicatus)
LC ₅₀ /96 h	138 mg/l (mosquito fish)
CAS: 64-17-5 Ethanol	
EC ₅₀ /48 h	>10,000 mg/l (daphnia)
	>100 mg/l (selenastrum capricornutum)
EC ₅₀ /72 h	275 mg/l (algae)
LC ₅₀ /96 h	15,300 mg/l (fathead minnow)
LC ₅₀ /48 h	>100 mg/l (golden orfe)
CAS: 67-56-1 Methanol	
LC ₅₀ /96 h	13,500-17,600 ppm (lepomis macrochirus)
	19,500-20,700 ppm (rainbow trout)
LC ₅₀ /96 h	28,200 mg/l (fathead minnow)

Persistence and Degradability: No further relevant information available.**Bioaccumulative Potential:** No further relevant information available.**Mobility in Soil:** No further relevant information available.**Other adverse effects:** No further relevant information available.**13 . DISPOSAL CONSIDERATIONS****Disposal Methods and Containers:** Dispose according to applicable local and state government regulations.**Special Precautions for Landfill or Incineration:**

Please consult your state Land Waste Management Authority for more information.

14 . TRANSPORT INFORMATION

UN Number	
NZS 5433	UN3470
IMDG, IATA	UN3470
Proper Shipping Name	
NZS 5433	PAINT, CORROSIVE, FLAMMABLE
IMDG, IATA	PAINT, CORROSIVE, FLAMMABLE
Dangerous Goods Class	
NZS 5433	8 Corrosive substances.
Subsidiary Risk:	3 Flammable liquids.
IMDG Class:	8 Corrosive substances.
Packing Group:	
NZS 5433	II
IMDG, IATA	II
EMS Number:	F-E,S-C
Hazchem Code:	3W
Special Provisions:	163
Limited Quantities:	1L
Excepted quantities (EQ)	E2
Packagings & IBCs - Packing Instruction:	P001, IBC02

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Portable Tanks & Bulk Containers - Instructions: T7**Portable Tanks & Bulk Containers - Special Provisions:**

TP2, TP8, TP28

15 . REGULATORY INFORMATION

HSNO Approval Code / Group Standard:

Surface Coatings and Colourants (Flammable, Corrosive) Group Standard 2017

HSNO Approval Number: HSR002663

New Zealand Inventory of Chemicals

All ingredients are listed.

16 . OTHER INFORMATION

Date of Preparation or Last Revision: 02.10.2018**Prepared by:** MSDS.COM.AU Pty Ltdwww.msds.com.au**Abbreviations and acronyms:**

IMDG: International Maritime Code for Dangerous Goods

IATA: International Air Transport Association

GHS: Globally Harmonised System of Classification and Labelling of Chemicals

CAS: Chemical Abstracts Service (division of the American Chemical Society)

VOC: Volatile Organic Compounds

LC₅₀: Lethal concentration, 50 percentLD₅₀: Lethal dose, 50 percent

IARC: International Agency for Research on Cancer

STEL: Short Term Exposure Limit

TWA: Time Weighted Average

WES: Workplace Exposure Standard

Flammable Liquids 2: Flammable liquids – Category 2

Flammable Liquids 3: Flammable liquids – Category 3

Corrosive To Metals 1: Corrosive to metals – Category 1

Acute Toxicity (Oral) 3: Acute toxicity – Category 3

Acute Toxicity (Oral) 4: Acute toxicity – Category 4

Skin Corrosion/Irritation 1C: Skin corrosion/irritation – Category 1C

Serious Eye Damage/Irritation 1: Serious eye damage/eye irritation – Category 1

Serious Eye Damage/Irritation 2A: Serious eye damage/eye irritation – Category 2A

Toxic To Reproduction 2: Reproductive toxicity – Category 2

STOT SE 2: Specific target organ toxicity (single exposure) – Category 2

Aquatic Acute 2: Hazardous to the aquatic environment, short-term (Acute). Category 2

Aquatic Chronic 2: Hazardous to the aquatic environment, long-term (Chronic). Category 2

Aquatic Chronic 3: Hazardous to the aquatic environment, long-term (Chronic). Category 3

Disclaimer

This SDS is prepared in accord with the New Zealand Chemical Industry Council document 'Code of Practice (No. HSNO CoP 8-1 09-06)'.

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