

Infosafe No™ VARA7	Issue Date : December 2020	ISSUED by HUNTERST
Product Name RUST & SCALE REMOVER		

1. Identification

GHS Product Identifier	RUST & SCALE REMOVER
Company Name	Hunters Products (TAS) Pty. Ltd. (ABN 004 601 263)
Address	60 Gleadow Street INVERMAY TAS 7248 AUSTRALIA
Telephone/Fax Number	Tel: 03 6331 4755 Fax: 03 6334 1065
Emergency phone number	0407 610 542
Recommended use of the chemical and restrictions on use	To remove rust and scale from metal parts. Use as directed on the product label.

2. Hazard Identification

GHS classification of the substance/mixture	Skin Corrosion/Irritation: Category 1B
Signal Word (s)	DANGER
Hazard Statement (s)	H314 Causes severe skin burns and eye damage.
Precautionary statement – General	P102 Keep out of reach of children. P103 Read label before use.
Pictogram (s)	Corrosion



Precautionary statement – Prevention	P260 Do not breathe dust/fume/gas/mist/vapours/spray. P264 Wash contaminated skin thoroughly after handling. P280 Wear protective gloves/protective clothing/eye protection/face protection.
Precautionary statement – Response	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 victim 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. P310 Immediately call a POISON CENTER or doctor/physician. P363 Wash contaminated clothing before reuse.
Precautionary statement – Storage	P405 Store locked up.
Precautionary statement – Disposal	P501 Dispose of contents/container in accordance with local regulations.

3. Composition/information on ingredients

Ingredients	Name	CAS	Proportion
	Phosphoric acid	7664-38-2	30-60 %
	Sulphuric acid	7664-93-9	0-10 %
	Other ingredients determined not to be hazardous	Not required	0-10 %
	Water	7732-18-5	to 100%

4. First-aid measures

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Inhalation	Remove victim from exposure. Allow patient to assume most comfortable position, keep warm and at rest until fully recovered.
Ingestion	Rinse mouth with water. Do NOT induce vomiting. Give a glass of water to be taken slowly. Seek immediate medical advice.
Skin	Remove heavily contaminated clothing. Wash affected area with copious quantities of water for at least 15 minutes. If irritation develops or persists seek medical advice.
Eye contact	Immediately irrigate with copious quantities of water for at least 15 minutes. Hold eyelids open. Seek medical attention.
First Aid Facilities	Eye wash station and normal washroom facilities.
Advice to Doctor	Product is a mixture of phosphoric and sulphuric acids in solution. Corrosive by all routes. Treat symptomatically for acids. Contact Poisons Information.

5. Fire-fighting measures

Suitable extinguishing media	Use extinguishing media appropriate to surrounding fire. Use water spray to cool containers and surrounds.
Hazards from Combustion Products	Oxides of phosphorus, oxides of sulphur.
Specific Methods	Fire-fighters to wear self contained breathing apparatus and protective equipment. If safe to do so remove containers from path of fire.
Specific hazards arising from the chemical	Non-flammable liquid. However, flammable and explosive hydrogen gas may be formed on contact with metals.
Hazchem Code	2X

6. Accidental release measures

Spills & Disposal	Wear protective equipment to prevent skin and eye contamination consisting of rubber gloves and safety goggles. Contain large spills with an inert material such as sand, soil or vermiculite. Cover with soda ash. Collect and seal in properly labelled containers for disposal. Small spills may be mopped up. Wash down area with excess water.
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7. Handling and storage

Conditions for safe storage, including any incompatibilities	Store in cool place in sealed plastic containers. Store in a well ventilated area. Store away from oxidising agents and foodstuffs. Store away from sources of heat. Keep containers closed when not in use. This material is a Schedule Poison (S6) and must be used, stored and maintained in accordance with the relevant regulations.
Unsuitable Materials	Incompatibles: Alkalis.

8. Exposure controls/personal protection

Occupational exposure limit values	<u>Name</u>	<u>STEL</u>		<u>TWA</u>		<u>Footnote</u>
		<u>mg/m3</u>	<u>ppm</u>	<u>mg/m3</u>	<u>ppm</u>	
	Phosphoric acid	3		1		
	Sulphuric acid	3		1		
Appropriate engineering controls	Avoid using active metals or wood as materials of construction. Ensure adequate ventilation (same as outdoors) when using. If handling industrial quantities, or if vapour risk exists, consider local mechanical exhaust/extraction to keep airborne contamination as low as possible and at least below the TLV.					
Personal Protective Equipment	Avoid contact with skin and eyes. Avoid breathing aerosols. Personal protection to be selected from those recommended below, as appropriate to mode of use, quantity handled and degree of hazard:- Normal Use: Eye/face protection Gloves, rubber or plastic. Industrial Quantities:					

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Face shield or safety glasses
Gloves, rubber or plastic
Plastic apron, sleeves and boots
Impervious overalls.
Always maintain a high level of personal hygiene when using this product.
That is wash hands before eating, drinking, smoking or using the toilet.

9. Physical and chemical properties

Form	Liquid
Appearance	Clear, green, mobile liquid.
Odour	Almost odourless.
Boiling Point	> 100 °C
Solubility in Water	Soluble at all concentrations.
Specific Gravity	1.3
pH	< 1
Flash Point	None
Flammability	Non flammable.
Other Information	Very acidic mixture. Will react vigorously or violently with alkalis. Contact with carbonates or bicarbonates will generate carbon dioxide, a simple asphyxiant. Slightly corrosive to most metals, generating hydrogen, a flammable gas. Corrosive to concrete.

10. Stability and reactivity

Chemical Stability	Stable under normal use conditons.
Conditions to Avoid	Incompatible materials.
Incompatible Materials	Alkalis (including carbonates and bicarbonates), metals, calcium salts.
Hazardous Decomposition Products	If involved in a fire, toxic fumes will be evolved.
Possibility of hazardous reactions	Contact with metals may produce hydrogen gas which is flammable. Contact with carbonates or bicarbonates will generate carbon dioxide. If splashing occurs rinse with water and wipe clean. Do not mix with bleaches, acids, or other cleaning solutions.

11. Toxicological Information

Toxicology Information	No toxicity information is available for this product.
Acute Toxicity - Oral	LD50: Phosphoric acid 1,250 mg/kg oral, rat. 2,740 mg/kg skin, rabbit. Sulphuric acid 350 mg/kg oral, rat.
Acute Toxicity - Inhalation	LC50: Phosphoric acid 25.5 mg/m ³ , rat. Sulphuric acid 510 mg/m ³ /2 hours, rat
Ingestion	May be fatal. Corrosive. May cause burns to mouth, throat and gastrointestinal system, possible haemorrhaging of the digestive tract. Small doses may cause a burning sensation, gastric upset, abdominal pain or cramps, nausea, vomiting and diarrhoea. Larger doses may cause shock, clammy skin, weak and rapid pulse, shallow breathing, reduced urine output and death.
Inhalation	Aerosols will cause irritation of the upper respiratory system. May cause burns to lung tissues. Over-exposure may cause pulmonary oedema (fluid build-up in the lungs) which may be made worse by physical exertion. Onset of symptoms may be delayed.
Skin	Corrosive, causes serious burns. May cause redness, pain, blisters and burns.
Eye	Corrosive. May cause redness, pain, blurred vision, serious eye damage. Risk of permanent injury, and permanently impaired vision.

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Chronic Effects Prolonged or repeated low-level exposure may cause skin irritation and possible burns. Repeated inhalation exposure may cause damage to the teeth, mouth, throat and respiratory tract.

12. Ecological information

Ecotoxicity Harmful to aquatic organisms.
Persistence and degradability No data.
Mobility Readily transported by water.
Other Adverse Effects Contains a high proportion of phosphate. May contribute to the development of algal blooms in natural waters.
Environmental Protection Avoid contaminating waterways, drains, sewers, or ground.

13. Disposal considerations

Waste Disposal Refer to appropriate authority in your State. Dispose of material through a licensed waste contractor. Advise on acidic nature. Normally suitable for disposal by approved waste disposal agent.
Special precautions for landfill or incineration Unsuitable for incineration. May be unsuitable for some landfill sites, even after complete neutralisation.

14. Transport information

Transport Information Classified as a Class 8 (CORROSIVE) Dangerous Substance for the purpose of transport. Refer to the relevant regulations for storage and transport requirements.
Not to be loaded with explosives (class 1), dangerous when wet substances (class 3.4), oxidising agents (class 5.1), organic peroxides (class 5.2), poisonous substances (class 6), radioactive substances (class 7) and foodstuff empties, however exempt may apply.
U.N. Number 3264
UN proper shipping name CORROSIVE LIQUID, ACIDIC, INORGANIC, N.O.S.
Transport hazard class(es) 8
Hazchem Code 2X
Packing Group II
IERG Number 37

15. Regulatory information

Poisons Schedule S6
AICS (Australia) All components listed.

16. Other Information

Date of preparation or last revision of SDS 2/12/2020
Literature References Preparation of Safety Data Sheets for hazardous Chemicals Code of Practice Standard for the Uniform Scheduling of Medicines and Poisons
Australian Code for the Transport of Dangerous Goods by Road & Rail
Globally Harmonised System of classification and labelling of chemicals
Signature of Preparer/Data Service Technical Manager 0407 610 542
Technical Contact Numbers Emergency Advice All Hours:
Technical Manager: 0407 610 542 Mon-Fri 8am - 6pm

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Other Information

Poisons Information Centre: 13 11 26 - 24hrs
Transport/Fire Emergency: 000 (Emergency services)

This SDS summarises at the date of issue our best knowledge of the health and safety hazard information of the product, and in particular how to safely handle and use the product in the Workplace. Please refer to the technical datasheet (Instructions for use), and the label on the drum. The company cannot anticipate or control the individual working conditions encountered and so each user should read this SDS carefully, and if in doubt ring the Contact Point Number given below.

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