

Infosafe No™ VARAT	Issue Date : October 2024	ISSUED by HUNTERST
Product Name <b>SCALE OFF</b>		

## Section 1 - Identification

Product Identifier	SCALE OFF
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	0417 744 144
Recommended use of the chemical and restrictions on use	As a descaling solution. Use as directed on the product label.

## Section 2 - Hazard(s) Identification

GHS Classification of the Substance/Mixture	Eye damage/irritation: Category 2A Skin corrosion/irritation: Category 2 Specific target organ toxicity (single exposure): Category 3 (Respiratory tract irritation)
Signal Word	WARNING
Hazard Statement (s)	H315 Causes skin irritation. H319 Causes serious eye irritation. H335 May cause respiratory irritation.
Pictogram (s)	Exclamation mark



Precautionary Statement – Prevention	P261 Avoid breathing dust/fume/gas/mist/vapours/spray. P264 Wash contaminated skin thoroughly after handling. P271 Use only outdoors or in a well-ventilated area. P280(f) Wear protective gloves/protective clothing/eye protection/face protection.
Precautionary Statement – Response	P302+P352 IF ON SKIN: Wash with plenty of water. 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. P312 Call a POISON CENTER/doctor if you feel unwell. P332+P313 If skin irritation occurs: Get medical advice/attention. P337+P313 If eye irritation persists: Get medical advice/attention. P362+P364 Take off contaminated clothing and wash it before reuse.
Precautionary Statement – Storage	P403+P233 Store in a well-ventilated place. Keep container tightly closed. P405 Store locked up.
Precautionary Statement – Disposal	P501 Dispose of contents/container in accordance with local regulations.
Precautionary Statement – General	P102 Keep out of reach of children. P103 Read carefully and follow all instructions.

## Section 3 - Composition and Information on Ingredients

Ingredients	Name	CAS	Proportion
	Other ingredients determined not to be hazardous	Not required	0-10 %
	Hydrochloric acid	7647-01-0	16%
	Water	7732-18-5	to 100%

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## Section 4 - First Aid Measures

<b>Inhalation</b>	Remove victim from exposure. Allow patient to assume most comfortable position, keep warm and at rest until fully recovered.
<b>Ingestion</b>	Rinse mouth with water. Do NOT induce vomiting. Give water or milk to drink to be taken slowly. Seek immediate medical advice.
<b>Skin</b>	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.
<b>Eye</b>	Immediately irrigate with copious quantities of water for at least 15 minutes. Hold eyelids open. Seek medical attention.
<b>First Aid Facilities</b>	Eye wash station and normal washroom facilities. Emergency shower if handling industrial quantities.
<b>Advice to Doctor</b>	Product is a strong hydrochloric acid solution containing a surfactant. If swallowed, vomiting should not have been induced because of risk of aspiration of strongly acidic froth into the lungs. Toxic by inhalation. Causes severe burns. Contact Poisons Information Centre.

## Section 5 - Firefighting Measures

<b>Suitable Extinguishing Media</b>	Use extinguishing media appropriate to surrounding fire. Use water spray to cool containers and surrounds.
<b>Specific Methods</b>	Fire-fighters to wear self contained breathing apparatus and protective equipment. If safe to do so remove containers from path of fire.
<b>Specific Hazards Arising from the Chemical</b>	Liberates toxic fumes of hydrogen chloride in a fire. This material is incompatible with steel, other common metals and nylon. Alkalis may have violent reactions.
<b>Hazchem Code</b>	2R

## Section 6 - Accidental Release Measures

<b>Emergency Procedures</b>	Dilute. Increase ventilation.
<b>Spills &amp; Disposal</b>	For large spills: Contain spillages with sand or earth. Transfer both liquid and solids to suitable container(s). Treat residues as for small spills. For small spills: Spills may be neutralised by the liberal application of soda ash or crushed limestone. After reaction has ceased, mop up cautiously with plenty of water and run to waste, diluting greatly with running water. Otherwise, absorb on inert absorbent and transfer to suitable closed container. Wash site of spillage thoroughly with water and detergent. Ventilate area to dispel any residual vapours.

## Section 7 - Handling and Storage

<b>Precautions for Safe Handling</b>	Avoid contact with skin and eyes. Avoid breathing concentrated vapours.
<b>Conditions for safe storage, including any incompatibilities</b>	Store in a cool, well ventilated place, out of reach of children. Large quantities should be stored in a bonded dangerous goods store. Store in original container. Keep container tightly closed and out of direct sunlight. Keep away from naked flames and other sources of ignition. Keep away from oxidising alkalis, oxidising agents and active metals. Protect from physical damage. Clean up all spills and splashes promptly; avoid secondary accidents.
<b>Unsuitable Materials</b>	Incompatibles: Alkalis, other mineral acids, oxidising agents, active metals, cyanides, sulphides, sulphites.

## Section 8 - Exposure Controls and Personal Protection

Occupational Exposure Limit (OEL) Values	Name		STEL		TWA		Footnote
			mg/m3	ppm	mg/m3	ppm	

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Occupational Exposure Limit (OEL) Values	Name	STEL		TWA		Footnote
		mg/m3	ppm	mg/m3	ppm	
	Hydrochloric acid			7.5	5	Peak limitation
Engineering Controls	Avoid using active metals (such as aluminium, tin, zinc, copper) 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 vapours. 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: Positive pressure air hood Full face respirator fitted with acid vapour filters 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.					

## Section 9 - Physical and Chemical Properties

Form	Liquid
Appearance	Clear, colourless to pale yellow, frothing liquid.
Odour	Characteristic pungent odour of hydrochloric acid.
Boiling Point	>100C
Solubility in Water	Miscible at all concentrations.
Specific Gravity	1.1
pH	Approx. 1.0
Vapour Pressure	About 12 hPa @ 20 °C
Flash Point	None
Flammability	Non flammable.
Other Information	Reacts vigorously or violently with alkalis. Contact with carbonates or bicarbonates will generate carbon dioxide, a simple asphyxiant. Contact with cyanides, sulphides or sulphites will generate very toxic gases. Corrosive to many common metals, generating hydrogen, a flammable gas. Corrosive to concrete floors and walls. May turn yellow on exposure to direct sunlight. Slippery when spilled.

## Section 10 - Stability and Reactivity

Chemical Stability	Stable under normal use conditons.
Possibility of Hazardous Reactions	May react vigorously or violently with alkalis. Contact with carbonates or bicarbonates generates carbon dioxide.
Conditions to Avoid	Incompatible materials, sunlight.
Incompatible Materials	Alkalis, oxidising agents, active metals, cyanides, sulphides, sulphites, concrete.
Hazardous Decomposition Products	Hydrogen chloride, chlorine.

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## Section 11 - Toxicological Information

<b>Toxicology Information</b>	No toxicity information is available for this product.
<b>Acute Toxicity - Oral</b>	LD50: Hydrochloric acid 900 mg/kg oral, rabbit.
<b>Ingestion</b>	Corrosive. May be fatal. Will cause immediate pain, burns to the mouth, throat, oesophagus and gastrointestinal tract. May cause permanent tissue destruction of the oesophagus and digestive tract. Small quantities are likely to cause gastric upset, nausea, vomiting and diarrhoea. An aspiration risk.
<b>Inhalation</b>	Inhalation of vapours or aerosols may cause coughing, choking, inflammation of the nose, throat and upper respiratory tract, sore throat and shortness of breath. May cause tissue damage to the mucous membranes. Aspiration of acidic froth into the lungs during swallowing or vomiting may cause serious chemical pneumonitis (inflammation and damage to lung tissues) and pulmonary oedema (fluid build-up in the lungs). Onset of symptoms may be delayed.
<b>Skin</b>	Corrosive. May cause redness, severe irritation and burns. Hydrochloric acid may be absorbed through the skin in harmful amounts. Will have a degreasing effect on the skin.
<b>Eye</b>	Corrosive. May cause severe burns to eye tissues and permanent eye damage. Slight exposure may cause painful sensitisation to light. Over-exposure may result in loss of sight.
<b>Chronic Effects</b>	Repeated or prolonged eye exposure to vapours may result in total loss of vision. Long term exposure to vapours may lead to erosion of the teeth.

## Section 12 - Ecological Information

<b>Ecotoxicity</b>	Harmful to aquatic organisms.
<b>Persistence and Degradability</b>	The surfactant used in this product is not considered to be readily biodegradable.
<b>Mobility</b>	Readily transported by water.
<b>Other Adverse Effects</b>	Contains surfactant. Local concentrations may be harmful to aquatic organisms, including fish.
<b>Environmental Protection</b>	Avoid contaminating waterways, drains, sewers, or ground.

## Section 13 - Disposal Considerations

<b>Waste Disposal</b>	Refer to appropriate authority in your State. Dispose of material through a licensed waste contractor. Normally suitable for disposal by approved waste disposal agent.
<b>Special Precautions for Incineration or Landfill</b>	Unsuitable for incineration. May be unsuitable for some landfill sites without prior neutralisation.
<b>Local Legislation</b>	Discharge of large quantities of acidic waste to concrete sewer may be regulated by local authorities.

## Section 14 - Transport Information

<b>Transport Information</b>	Classified as a Class 8 Dangerous Good. Dangerous Goods of Class 8 Corrosives are incompatible in a placard load with any of the following: - Class 1, Class 4.3, Class 5, Class 6, if the Class 6 dangerous goods are cyanides and the Class 8 dangerous goods are acids and Class 7.
<b>ADG UN Number</b>	1789
<b>ADG Proper Shipping Name</b>	HYDROCHLORIC ACID
<b>ADG Transport Hazard Class</b>	8
<b>ADG Packing Group</b>	II
<b>Hazchem Code</b>	2R
<b>EPG Number</b>	8A1

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## Section 15 - Regulatory Information

**Poisons Schedule** S6

**Australia (AICS/AIIC)** All components listed.

## Section 16 - Any Other Relevant Information

**Date of Preparation** 20/05/2021

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

**Other Information** 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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