



Infosafe No™ VARJT	Issue Date : June 2021	ISSUED by HUNTERST
Product Name NITRIC ACID 65-70%		

1. Identification

GHS Product Identifier	NITRIC ACID 65-70%
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	Acid for metal treatment and for use in dairy and food industries. USE DIRECTIONS: Rinse equipment thoroughly with water. For CIP Regimes: Dilute Nitric Acid to between 0.3- 2% w/v Nitric Acid and circulate at a temperature between 60'C and 80'C. For manual soaking systems: Dilute Nitric Acid to between 0.3-2% w/v with hot water and soak for 5-10 minutes. Rinse product contacting surface with potable water after use.

2. Hazard Identification

GHS classification of the substance/mixture	Oxidizing Liquids: Category 3 Skin Corrosion/Irritation: Category 1A
Signal Word (s)	DANGER
Hazard Statement (s)	H272 May intensify fire; oxidiser. 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)	Flame over circle, Corrosion
	 
Precautionary statement – Prevention	P210 Keep away from heat/sparks/open flames/hot surfaces. - No smoking. P220 Keep/Store away from clothing//combustible materials. P221 Take any precaution to avoid mixing with combustibles 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. P370+P378 In case of fire: Use fine water spray, normal foam, dry agent (carbon dioxide, dry chemical powder) for extinction.
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

<u>Ingredients</u>	<u>Name</u>	<u>CAS</u>	<u>Proportion</u>
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Nitric acid	7697-37-2	65-70 %
Water	7732-18-5	30-35 %

4. First-aid measures

Inhalation	Remove victim from area of exposure - avoid becoming a casualty. Remove contaminated clothing and loosen remaining clothing. Allow patient to assume most comfortable position and keep warm. Keep at rest until fully recovered. If patient finds breathing difficult and develops a bluish discoloration of the skin (which suggests a lack of oxygen in the blood - cyanosis), ensure airways are clear of any obstruction and have a qualified person give oxygen through a face mask. Apply artificial respiration if patient is not breathing. Seek immediate medical advice.
Ingestion	Immediately rinse mouth with water. If swallowed, do NOT induce vomiting. Give a glass of water. Seek immediate medical assistance.
Skin	If spilt on large areas of skin or hair, immediately drench with running water and remove clothing. Continue to wash skin and hair with plenty of water (and soap if material is insoluble) until advised to stop by the Poisons Information Centre or a doctor.
Eye contact	If in eyes, hold eyelids apart and flush the eye continuously with running water. Continue flushing until advised to stop by the Poisons Information Centre or a doctor, or for at least 15 minutes.
First Aid Facilities	Eye wash station and normal washroom facilities.
Advice to Doctor	Treat symptomatically based on judgement of doctor and individual reactions of patient. Can cause corneal burns.
Most important symptoms/effects, acute and delayed	No adverse health effects expected if the product is handled in accordance with this MSDS and the product label.

5. Fire-fighting measures

Suitable extinguishing media	Not combustible, however, if material is involved in a fire use fine water spray, normal foam, dry agent (carbon dioxide, dry chemical powder). Keep containers cool with water spray.
Hazards from Combustion Products	Non-combustible liquid. Incompatible with oxidising agents, organic chemicals, strong alkalis, reducing agents, carbides, chlorates, combustible materials, metals and sources of ignition. Decomposes on heating emitting toxic fumes, including those of oxides of nitrogen.
Special Protective Equipment for fire fighters	Fire fighters should wear a positive-pressure self-contained breathing apparatus (SCBA) and protective fire fighting clothing (includes fire fighting helmet, coat, trousers, boots and gloves) or chemical splash suit. Clear fire area of all non-emergency personnel. Stay upwind. Keep out of low areas. Eliminate ignition sources. Move fire exposed containers from fire area if it can be done without risk. Do NOT allow fire fighting water to reach waterways, drains or sewers. Store fire fighting water for treatment.
Hazchem Code	2R

6. Accidental release measures

Methods and materials for containment and cleaning up	Soak up spilled product using absorbent non-combustible material such as sand or soil. Avoid using sawdust or cellulose. Neutralise with lime or soda ash. When saturated collect material, transfer to suitable, labelled, dry chemical-waste containers and dispose of promptly as hazardous waste. Wash area down with excess water.
Spills & Disposal	Personnel involved in the clean up should wear full protective clothing as listed in section 8. Avoid accidents, clean up immediately. Evacuate all unnecessary personnel. Increase ventilation. Avoid walking through spilled product as it is slippery when spilt. Stop leak if safe to do so. Do NOT let product reach drains or waterways. If product does enter a waterway, advise the Environmental Protection Authority or your local Waste Management. Use clean, non-sparking tools and equipment. Shut off all possible sources if ignition.

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7. Handling and storage

Precautions for Safe Handling	This material is a Scheduled Poison S6 and must be stored, maintained and used in accordance with the relevant Ensure an eye bath and safety shower are available and ready for use. Observe good personal hygiene practices and recommended procedures. Wash thoroughly after handling. Take precautionary measures against static discharges by bonding and grounding equipment. Avoid contact with eyes, skin and clothing. Do not inhale product vapours. Avoid prolonged or repeated exposure. Keep out of reach of children. Remove contaminated clothing and wash before reuse.
Conditions for safe storage, including any incompatibilities	Store in a cool, dry, well-ventilated area. Keep containers tightly closed when not in use. Inspect regularly for deficiencies such as damage or leaks. Protect against physical damage. Store away from incompatible materials as listed in section 10. Store away from foodstuffs. This product has a UN classification of 2031, Dangerous Goods Class 8 (Corrosive), and Subsidiary Risk 5.1 (Oxidiser) according to the Australian Code for the Transport of Dangerous Goods By Road by Road and Rail.

8. Exposure controls/personal protection

Occupational exposure limit values	Nitric Acid TWA = 2 ppm (5.2 mg/m ³) (Worksafe Australia) STEL = 4 ppm (10 mg/m ³) (Worksafe Australia)
Appropriate engineering controls	A system of local and/or general exhaust is recommended to keep employee exposures as low as possible. Local exhaust ventilation is generally preferred because it can control the emissions of the contaminant at its source, preventing dispersion of it into the general work area. Adequate ventilation should be provided so that exposure limits are not exceeded.
Personal Protective Equipment	RESPIRATOR: If risk of inhalation exists, wear air supplied respirator meeting the requirements of AS1715/1716. EYES: Chemical goggles to prevent splashing in the eyes (AS1336/1337). HANDS: Elbow length impervious gloves (AS2161). CLOTHING: Chemical-resistant coveralls, splash apron and safety footwear (AS3765/2210). 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	Transparent colourless, or yellowish fuming, hygroscopic, corrosive liquid, oxidising material.
Odour	Sharp , Irritating
Melting Point	-34 deg C
Boiling Point	121 deg C
Solubility in Water	Miscible at all concentrations.
Specific Gravity	1.40-1.42 (20'C)
pH	1 (1% solution)
Vapour Pressure	48 mm Hg (1 atmosphere)
Flash Point	None
Flammability	Non flammable.
Other Information	Reacts with metals liberating flammable hydrogen gas.

10. Stability and reactivity

Chemical Stability	Stable under normal use conditons.
Conditions to Avoid	Heat, direct sunlight, open flames or other sources of ignition.

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Incompatible Materials Incompatible with oxidising agents, organic chemicals, strong alkalis, reducing agents, carbides, chlorates, combustible materials, metals and sources of ignition.

Hazardous Decomposition Products Decomposes on heating emitting toxic fumes, including those of oxides of nitrogen.

Possibility of hazardous reactions Reacts with metals liberating flammable hydrogen gas. May cause fire in contact with organic materials such as wood, cotton or straw, evolving toxic nitrogen oxides gases (brown fumes).

11. Toxicological Information

Toxicology Information No toxicity information is available for this product.

Acute Toxicity - Oral Oral LD50 = 430 mg/kg (Human) Oral LDLo = 430 mg/kg (Human) Inhalation LC50 = 49 ppm/4hr (Rat) Investigated as a mutagen and a reproductive effector.

Ingestion Swallowing can result in nausea, vomiting, diarrhoea, abdominal pain and chemical burns to the gastrointestinal tract.

Inhalation Breathing in mists or aerosols may produce respiratory irritation.

Skin Contact with skin will result in severe irritation. Corrosive to skin - may cause skin burns.

Eye A severe eye irritant. Corrosive to eyes; contact can cause corneal burns. Contamination of eyes can result in permanent injury.

Chronic Effects May cause erosion of the teeth, lesions on the skin, bronchial irritation, coughing and pneumonia. This material is not considered to be a carcinogen. Persons with pre-existing skin disorders or eye diseases may be more susceptible. Aggravation of pre-existing conditions - Persons with pre-existing skin disorders, eye disease, or cardiopulmonary diseases may be more susceptible to the effects of this substance.

12. Ecological information

Ecological Information No ecological information available for this product.

Persistence and degradability No information available on persistence/degradability for this product.

Mobility Miscible with water

Environmental Fate Do NOT let product reach waterways, drains and sewers.

Bioaccumulative Potential No information available on bioaccumulation for this product.

Environmental Protection Avoid contaminating waterways, drains, sewers, or ground.

13. Disposal considerations

Waste Disposal Dispose of in accordance with all local, state and federal regulations. All empty packaging should be disposed of in accordance with Local, State, and Federal Regulations or recycled/reconditioned at an approved facility.

Special precautions for landfill or incineration Contact a specialist disposal company or the local waste regulator for advice. This should be done in accordance with 'The Hazardous Waste Act'.

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 4.3), oxidising agents (class 5.1), organic peroxides (class 5.2), poisonous substances (class 6), radioactive substances (class 7) and foodstuff empties, however exemptions may apply.

U.N. Number 2031

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UN proper shipping name	NITRIC ACID
Transport hazard class(es)	8
Sub.Risk	5.1
Hazchem Code	2R
Packing Group	II
EPG Number	8D1
IERG Number	40

15. Regulatory information

Poisons Schedule	S6
AICS (Australia)	All components listed.

16. Other Information

Date of preparation or last revision of SDS 30/06/2021

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.
...End Of MSDS...

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