

Safety Data Sheet

GHS7 Hazardous, Non-Dangerous Goods

SECTION 1 – STATEMENT OF CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Product Name: BRITE – METAL POLISH

Synonyms:

Product Code: 823

SUPPLIER: Penrite Oil Company Pty Ltd

ADDRESS:
Australia:
110-116 Greens Road Dandenong South VIC 3175
New Zealand:
75 Lady Ruby Drive East Tamaki Auckland 2013

TELEPHONE: Australia: 1300 736 748; **FAX:** Australia: 1800 736 748;
New Zealand: 0800 533 698 New Zealand: 0800 533 698

EMERGENCY PHONE: Australia: 1300 736 748; **ABN:** 25 005 001 525
New Zealand: 0800 533 698

Substance: Water based cleaner **Product Use:** Metal polish.

Creation Date: September 2021 **Revision Date:** September 2026

HSNO Approval Number: HSR002531 **HSNO GROUP TITLE:** Cleaning Products (Carcinogenic)
Group Standard 2020

HS CODE: 3405.90.00 **Email:** tech@penriteoil.com (Aust and NZ)

SECTION 2 – HAZARDS IDENTIFICATION

Classification of the substance or mixture

Based on available information, this material is classified as Hazardous according to the Globally Harmonised System of Classification and labelling of Chemicals (GHS7) including Work, Health and Safety regulations, Australia.

Poisons Schedule Not scheduled.

Dangerous Goods Not classified as Dangerous Goods by the criteria of the "Australian Code for the Transport of Dangerous Goods by Road & Rail" and the "New Zealand NZS5433: Transport of Dangerous Goods on Land".

GHS Classification

- Serious Eye Irritation - Category 2
- Skin Irritation - Category 2
- Specific Target Organ Toxicity Category 3
- Carcinogenicity - Category 2
- Flammable Liquids - Category 4
- Specific Target Organ Toxicity – Repeated Exposure Category 1
- Acute Aquatic Toxicity - Category 3 /Chronic Aquatic Toxicity – Category 3

HSNO Classification

- 6.4A Substances that are irritating to the eye.
- 6.3A Substances that are irritating to the skin.
- 6.7B Substances that are suspected human carcinogens.
- 3.1D Flammable liquid - low hazard.
- 6.9A Substances that are toxic to human target organs or systems.
- 9.1C Substances that are harmful in the aquatic environment.

GHS Pictogram



GHS07



GHS08

GHS Signal Word
Hazard statement(s)

DANGER

Safety Data Sheet

GHS7 Hazardous, Non-Dangerous Goods

H319	Causes serious eye irritation
H315	Causes skin irritation.
H335	May cause respiratory irritation.
H351	Suspected of causing cancer.
H227	Combustible liquid.
H372	Causes damage to organs (Central nervous system, auditory system) through prolonged or repeated exposure.
H402 / H412	Harmful to aquatic life with long-lasting effects.

Precautionary statement(s): General

P101	If medical advice is needed, have product container or label at hand.
P102	Keep out of reach of children.
P103	Read carefully and follow all instructions.

Precautionary statement(s): Prevention

P264	Wash hands and skin thoroughly after handling.
P280	Wear protective gloves/protective clothing/eye protection/face protection/hearing protection.
P261	Avoid breathing dust/fume/ gas/mist/ vapours/spray.
P271	Use only outdoors or in a well-ventilated area.
P201	Obtain special instructions before use.
P202	Do not handle until all safety precautions have been read and understood.
P260	Do not breathe dust/fume/gas/mist/vapours/spray.
P270	Do not eat, drink or smoke when using this product.
P210	Keep away from heat, hot surfaces, sparks, open flames and other ignition sources — No smoking.
P273	Avoid release to the environment.

Precautionary statement(s): Response

P305 + P351 + P338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P337 + P313	If eye irritation persists: Get medical advice/attention.
P304 + P340	IF INHALED: remove person to fresh air and keep comfortable for breathing.
P312	Call a POISON CENTER/doctor/...if you feel unwell.
P302+P352	IF ON SKIN: Wash with plenty of soap and water.
P321	Specific treatment (see First Aid Measures on this label).
P332+P313	If skin irritation occurs: Get medical advice/attention.
P362 +P364	Take off contaminated clothing and wash it before reuse.
P308 + P313	IF exposed or concerned: Get medical advice/attention.
P314	Get medical advice/attention if you feel unwell.
P370+P378	In case of fire: Use carbon dioxide, alcohol-resistant foam, dry chemical or water spray to extinguish.

Precautionary statement(s): Storage

P403+P233+P235	Store in a well-ventilated place. Keep container tightly closed. Keep cool.
P405	Store locked up.

Precautionary statement(s): Disposal

P501	Dispose of contents/ container in accordance with local regulations.
-------------	--

Note

IMPORTANT	This SDS and the Hazard Classifications contained therein, only apply to the product in its concentrated form, as supplied.
------------------	---

Safety Data Sheet

GHS7 Hazardous, Non-Dangerous Goods

When diluted with clean water to 1:25 or greater they no longer apply.
However, good hygiene and housekeeping practices should be adhered to.

SECTION 3 – COMPOSITION AND INFORMATION ON INGREDIENTS

Ingredients:	CAS Number:	Proportion:
Solvent naphtha (petroleum), light aliphatic	64742-89-8	10 - 30 % w/w
Solvent naphtha (petroleum), light aromatic	64742-95-6	< 10 % w/w
2-Aminoethanol	141-43-5	< 1.0% w/w
Ethanol, 2,2',2''-nitrilotris-[Triethanolamine]	102-71-6	< 1.0% w/w
Ammonia	1336-21-6	< 1.0% w/w
Ethanediol [Ethylene glycol]	107-21-1	< 10 % w/w
Glutaraldehyde	111-30-8	< 0.05% w/w
Ingredients determined to be non-hazardous at concentrations present.	various	Balance

NOTE: Ingredients determined not to be hazardous are present in concentrations that do not exceed the relevant cut-off concentrations as found from NOHSC publication "List of Designated Hazardous Substances" or have been found NOT to meet the criteria of a hazardous substance as defined in the NOHSC publication "Approved Criteria for Classifying Hazardous Substances", or have been found NOT to meet the criteria of a dangerous substance as defined in the GLOBALLY HARMONIZED SYSTEM OF CLASSIFICATION AND LABELLING OF CHEMICALS (GHS).

SECTION 4 – FIRST AID MEASURES

Scheduled Poisons	Poisons Information Centre in each Australian State capital city or in Christchurch, New Zealand can provide additional assistance for scheduled poisons. (Phone Australia 131126 or New Zealand 0800 764 766).
First Aid Facilities Required	Ensure there is access to eye washes and safety showers.
Inhalation	Remove victim to fresh air away from exposure. Obtain medical attention if symptoms occur.
Skin contact	Cosmetic hand soap - no adverse effects expected. If any symptoms occur, wipe off affected area and wash with water. Seek medical advice (e.g. doctor) if irritation, burning or redness develops.
Eye contact	If in eyes, hold eyelids apart and flush the eyes continuously with running water. Remove contact lenses. Continue flushing until advised to stop by the Poisons Information Centre or a doctor, or for at least 15 minutes. If symptoms persist, seek medical attention.
Ingestion	Do NOT induce vomiting. Do NOT attempt to give anything by mouth to an unconscious person. Rinse mouth thoroughly with water immediately. Give water to drink. If vomiting occurs, give further water to achieve effective dilution. Seek urgent medical advice (e.g. doctor).
Advice to Doctor	Treat symptomatically. All treatments should be based on observed signs and symptoms of distress of the patient. Poisons Information Centre in each Australian State capital city or in Christchurch, New Zealand can provide additional assistance for scheduled poisons.

SECTION 5 – FIRE FIGHTING MEASURES

Fire and Explosion Hazards	This product is not flammable under conditions of use, however evaporation of water from the mixture caused by the heat of nearby fire may produce floating layers of combustible substances. C1 Combustible.
Extinguishing Media	Use carbon dioxide, alcohol-resistant foam, dry chemical or water spray. Spray down fumes resulting from fire.
Fire Fighting	Keep containers exposed to extreme heat cool with water spray. Fire fighters to wear self-contained breathing apparatus if risk of exposure to products of combustion or

Safety Data Sheet

GHS7 Hazardous, Non-Dangerous Goods

Flash Point decomposition.
>63 °C

SECTION 6 – ACCIDENTAL RELEASE MEASURES

Emergency Procedures	Shut off engine and electrical equipment and leave off. Extinguish and/or remove all sources of ignition. Move people from immediate area; keep upwind. Wear appropriate personal protective equipment and clothing to prevent exposure. Stop leak if safe to do so. Take precautions against static discharge. Ensure all equipment is grounded and use non-sparking tools during clean-up operations. Send messenger to notify fire brigade and police. Tell them location, material quantity, emergency contact. Indicate condition of vehicle and damage or injuries observed. Warn other traffic.
Occupational Release	Minor spills do not normally need any special clean-up measures. Rinse with water. In the event of a major spill, prevent spillage from entering drains or water courses. Wear appropriate protective equipment as in section 8 below to prevent skin and eye contamination. Spilt material may result in a slip hazard and should be absorbed into dry, inert material (e.g. sand, earth or vermiculite), which then can be put into appropriately labelled drums for disposal by an approved agent according to local conditions. Residual deposits will remain slippery. Wash area down with excess water. If contamination of sewers or waterways has occurred advise the local emergency services. In the event of a large spillage notify the local environment protection authority or emergency services.

SECTION 7 – HANDLING AND STORAGE

Handling	Wear eye and skin protection when risk of exposure occurs. Avoid contact with incompatible materials. When handling, DO NOT eat, drink or smoke. Keep containers closed at all times. Avoid physical damage to containers.
Storage	Store in a cool, dry, place with good ventilation. Keep containers closed at all times – check regularly for leaks.

SECTION 8 – EXPOSURE CONTROLS AND PERSONAL PROTECTION

Control parameters	
Occupational Exposure Limits	National Occupational Exposure Limits, as published by National Occupational Health & Safety Commission: Time-weighted Average (TWA): None established for product. For ingredients: <ul style="list-style-type: none">• In the absence of data from National Occupational Health & Safety Commission (NOHSC) Worksafe Australia use - Mineral Spirits 150-200 HSPA: 350mg/m³ TWA (8hr)• Glutaraldehyde: 0.1 ppm Peak limitation, 0.41mg/m³ Peak limitation• Triethanolamine 5mg/m³• Ethanolamine: 3 ppm, 7.5 mg/m³• Ethylene glycol: (vapour): 8hr TWA = 52 mg/m³ (20 ppm), 8hr TWA = 10 mg/m³, Skin Short Term Exposure Limit (STEL): None established for product. For ingredients:

Safety Data Sheet

GHS7 Hazardous, Non-Dangerous Goods

- **Ethanolamine: 6 ppm, 15 mg/m³**
- **Ethylene glycol: 15 min STEL = 104 mg/m³ (40 ppm), Skin**

Control parameters

Biological Limits

No biological limits allocated.

PERSONAL PROTECTION PPE

Ventilation

Use only in a well-ventilated area. Ensure ventilation is adequate to maintain air concentrations below exposure standards.

Personal Protective Equipment

Use good occupational work practice.

The use of protective clothing and equipment depends upon the degree and nature of exposure. Final choice of appropriate protection will vary according to individual circumstances i.e. methods of handling or engineering controls and according to risk assessments undertaken.

The following protective equipment should be available;

Eye Protection



The use of safety glasses with side shield protection, goggles or face shield is recommended to handle in quantity, cleaning up spills, decanting, etc. Contact lenses pose a special hazard; soft lenses may absorb irritants and all lenses concentrate them.

Skin Protection



Wear gloves for typical applications as per label directions.

Gloves, overalls, apron, work boots and elbow length gloves are recommended for handling the concentrated product (as per AS/NZS 2161, or as recommended by supplier) to handle in quantity, cleaning up spills, decanting, etc.

Protective Material Types

Material suitable for detergent contact – Butyl rubber, Natural Latex, Neoprene, PVC, and Nitrile.

Respirator



Not required for typical applications as per label directions with adequate ventilation.

If engineering controls are not effective in controlling airborne exposure then an approved respirator with a replaceable dust/particulate filter should be used. Refer to relevant regulations for further information concerning respiratory protective requirements. Reference should be made to Australian Standards AS/NZS 1715, Selection, Use and Maintenance of Respiratory Protective Devices; and AS/NZS 1716, Respiratory Protective Devices, in order to make any necessary changes for individual circumstances.

SECTION 9 – PHYSICAL AND CHEMICAL PROPERTIES

Physical State	Liquid gel	Colour	Opaque white
Odour	Characteristic citrus	Specific Gravity	1.20 @ 25 °C
Boiling Point	Not available	Freezing Point	Not available
Vapour Pressure	Not available	Vapour Density	Not available
Flash Point	>63 °C	Flammable Limits	None
Water Solubility	Miscible in all proportions	pH	7.0 – 8.0 (neat)
Volatile Organic Compounds (VOC)	<20 % v/v	Coefficient of Water/Oil Distribution	Not available
Viscosity	Not available	Odour Threshold	Not available
Evaporation Rate	Not available	Per Cent Volatile	Not available

SECTION 10 – STABILITY AND REACTIVITY

Reactivity Stable at normal temperatures and pressure.

Safety Data Sheet

GHS7 Hazardous, Non-Dangerous Goods

Chemical stability	Stable under normal ambient and anticipated storage and handling conditions of temperature and pressure.
Conditions to avoid	Avoid contact with heat or heat sources. Avoid ignition sources including heat and sparks.
Incompatible materials	Oxidising agents.
Hazardous decomposition products	Hazardous decomposition products are not expected to form during normal storage requirements. Product can decompose on combustion (burning) to form Carbon Monoxide, Carbon Dioxide, and other possibly toxic gases and vapours.
Hazardous Reactions	None known.

SECTION 11 – TOXICOLOGICAL INFORMATION

POTENTIAL HEALTH EFFECTS

No adverse health effects expected if the product is handled in accordance with this Safety Data Sheet and the product label. Symptoms or effects that may arise if the product is mishandled and overexposure occurs are:

Inhaled	Inhalation over exposure may result in mucous membrane irritation of the respiratory tract and coughing. Inhalation of high concentrations of gas/vapour causes lung irritation with coughing and nausea, central nervous depression with headache and dizziness, slowing of reflexes, fatigue and loss of coordination.
Ingestion	Based upon the Acute Toxicity Estimate data (ATE calculated), the product is expected to have a low order of oral toxicity associated with it when ingested. Ingestion may result in irritation to the mouth and throat, nausea, vomiting.
Skin Contact	Mild irritant. Prolonged contact may cause defatting of skin which can lead to dermatitis.
Eye	Concentrated product causes eye irritation. Eye contact with concentrate will cause stinging, blurring, tearing.
Chronic exposure	People previously sensitised to Glutaraldehyde should avoid using this product.
Toxicology Information	Not toxic, based on ingredients. Oral LD50 (ATE calculated): >10,000 mg/kg
Carcinogen Status	
NOHSC	Solvent naphtha (petroleum), light aliphatic and Solvent naphtha (petroleum), light aromatic are classified as Category 2 carcinogens by NOHSC.
NTP	No significant ingredient is classified as carcinogenic by NTP.
IARC	No significant ingredient is classified as carcinogenic by IARC.
Respiratory sensitisation	Not expected to be a respiratory sensitizer.
Skin Sensitisation	Not expected to be a skin sensitizer.
Germ cell mutagenicity	Not considered to be a mutagenic hazard.
Reproductive Toxicity	Not considered to be toxic to reproduction.
STOT-single exposure	Specific Target Organ Toxicity Category 3 – respiratory irritation.
STOT-repeated exposure	Auditory system: prolonged and repeated exposures to high concentrations have resulted in hearing loss in rats. Solvent abuse and noise interaction in the work environment may cause hearing loss. Central nervous system: repeated exposure affects the nervous system.
Aspiration Hazard	Not expected to be an aspiration hazard.

SECTION 12 – ECOLOGICAL INFORMATION

Acute Aquatic Toxicity

Product (as sold)	Acute Aquatic Toxicity - Category 3
--------------------------	-------------------------------------

Safety Data Sheet

GHS7 Hazardous, Non-Dangerous Goods

Product (at use dilution)	H402 - Harmful to aquatic life. (LC50 >10 mg/L but < 100mg/L) 9.1C - Substances that are harmful in the aquatic environment. Acute Aquatic Toxicity (ATE Calculated) LC50 fish: 37 - 84 mg/L. Acute Aquatic Toxicity - NOT HAZARDOUS Not harmful to aquatic life. LC50 > 100mg/L. Acute Aquatic Toxicity (ATE Calculated) LC50: 3700 - 8400 mg/L.
Chronic Aquatic Toxicity Persistence and degradability	Chronic Aquatic Toxicity – Category 3. H402 / H412 - Harmful to aquatic life with long-lasting effects. Hydrocarbon solvents would be expected to evaporate largely to the atmosphere. Hydrocarbon solvents are expected to be moderately toxic to aquatic organisms. Most of the other organic components of this product are readily biodegradable.
Bio accumulative potential Mobility in soil	No bioaccumulation is expected. Due to its physico-chemical characteristics, highly mobile in the environment and will partition to the aquatic compartment.
Other adverse effects	Not available
Environmental Protection	Do not discharge this material into waterways.

SECTION 13 – DISPOSAL CONSIDERATIONS

Product and Packaging Disposal	Dispose of contents/container to chemical landfill. Consult local or regional waste management authority for further details.
---	---

SECTION 14 – TRANSPORT INFORMATION

IMDG Marine Pollutant:	No
HAZCHEM:	None allocated.
Land Transport (ADG):	Not classified as Dangerous Goods by the criteria of the "Australian Code for the Transport of Dangerous Goods by Road & Rail" and the "New Zealand NZS5433: Transport of Dangerous Goods on Land".
MARINE TRANSPORT:	Not classified as Dangerous Goods by the criteria of the International Maritime Dangerous Goods Code (IMDG Code) for transport by sea.
AIR TRANSPORT:	Not classified as Dangerous Goods by the criteria of the International Air Transport Association (IATA) Dangerous Goods Regulations for transport by air.

SECTION 15 – REGULATORY INFORMATION

Montreal Protocol (Ozone depleting substances).	Not applicable.
The Stockholm Convention (Persistent Organic Pollutants).	Not applicable.
The Rotterdam Convention (Prior Informed Consent).	Not applicable.
Basel Convention (Hazardous Waste).	Not applicable.
INTERNATIONAL CONVENTION FOR THE PREVENTION OF POLLUTION FROM SHIPS (MARPOL):	Not applicable.

Safety Data Sheet

GHS7 Hazardous, Non-Dangerous Goods

Poison Schedules:	Not scheduled.
AICS	All components of this product are listed on or exempt from the Australian Inventory of Chemical Substances (AICS).
NZIoC (New Zealand Inventory of Chemicals):	All components of this product are listed on or exempt from the New Zealand Inventory of Chemical (NZIoC).
HSNO Approval Number:	Cleaning Products (Carcinogenic) Group Standard 2020 HSR002531

SECTION 16 – OTHER INFORMATION

Issue Date:	29 th September 2021
Version Number:	V 1.1 First Issue – GHS7 Classification
Prepared by:	This Safety Data Sheet has been prepared by Tuwai Specialties on behalf of its client. tuwai.wt@bigpond.com
Abbreviations and acronyms	ADG Code: Australian Code for the Transport of Dangerous Goods by Road and Rail. AICS: Australian Inventory of Chemical Substances. CAS Number: Chemical Abstracts Service Registry Number. GHS: Globally Harmonized System of Classification and Labelling of Chemicals HAZCHEM: An emergency action code of numbers and letters which gives information to emergency services. HCIS: Hazardous Chemicals Information System IARC: International Agency for Research on Cancer. NOHSC: National Occupational Health and Safety Commission. NTP: National Toxicology Program (USA). SDS: Safety Data Sheet STEL: Short Term Exposure Limit. SUSMP: Standard for the Uniform Scheduling of Medicines and Poisons. TWA: Time Weighted Average. UN Number: United Nations Number.
Literature references	Preparation of Safety Data Sheets for Hazardous Chemicals – Code of Practice (Safe Work Australia). GHS Hazardous Chemical Information List (Safe Work Australia). Guidance on the Classification of Hazardous Chemicals under the WHS Regulations. Global Harmonized System of Classification and Labelling of Chemicals (GHS). “Australian Exposure Standards”. Safework Australia. Australian Code For The Transport Of Dangerous Goods By Road And Rail. Standard for the Uniform Scheduling of Medicines and Poisons. Material Safety Data Sheets – individual raw materials – Suppliers. HSIS – Hazardous Substance Information System – National Safe Work Australia Data Base. HCIS – Hazardous Chemical Information System – National Safe Work Australia Data Base. ECHA- European Chemicals Agency. HSNO Assigning a Product to a HSNO Approval May 2013 / Revised June 2014. Hazardous Substances and New Organisms Act 1996 and Regulations. Thresholds and Classifications Under the Hazardous Substances and New Organisms Act 1996 JANUARY 2012 (CONTENT AS ORIGINALLY PUBLISHED MARCH 2008) Environmental Protection Authority Te Mana Rauhi Taiao NZ.
Disclaimer	This MSDS summarizes at the date of issue our best knowledge of the health and safety hazard information of this product, and in particular how to safely handle and use this product in the workplace. Since the supplier cannot anticipate or control the conditions under which the product may be used, each user must, prior to usage, review this MSDS in the context of how the user intends to handle and use the product in the workplace. If clarification or further information is needed to ensure that an appropriate assessment can be made, the user should contact this supplier.

Safety Data Sheet

GHS7 Hazardous, Non-Dangerous Goods

End of SDS