SAFETY DATA SHEET

TUFF AUTO AND OUTDOOR DEGREASER CLEANER

Infosafe No.: KR020
ISSUED Date : 14/09/2021
ISSUED by: PENRITE OIL COMPANY PTY LTD

Section 1 - Identification

Product Identifier
TUFF AUTO AND OUTDOOR DEGREASER CLEANER

Product Code
930

Company Name
PENRITE OIL COMPANY PTY LTD (ABN 25 005 001 525)

Address
110-116 Greens Road Dandenong South
Vic 3175 AUSTRALIA

Telephone/Fax Number
Tel: 1300 736 748
Fax: 1800 736 748

Emergency Phone Number
1300 736 748

E-mail Address
tech@penriteoil.com (Aust and NZ)

Recommended use of the chemical and restrictions on use
Product Use: Degreaser

Other Names

Name	Product Code
TUFF AUTO AND OUTDOOR DEGREASER CLEANER	930
HS CODE: 2710.19.83 00	
HS CODE: 2710.19.83 00	

Additional Information
Substance: Water based cleaner

HSNO Approval Number: HSR002530

HS CODE: 2710.19.83 00

Section 2 - Hazard(s) Identification

GHS classification of the substance/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.

GHS Classification
Serious Eye Damage/Irritation Category 1
Skin Irritation Category 2
Skin Sensitisation Category 1

HSNO Classification
8.3A Substances that are corrosive to ocular tissue.
6.3A Substances that are irritating to the skin.
6.5B Substances that are contact sensitisers.

Signal Word (s)
DANGER

Hazard Statement (s)
H315 Causes skin irritation.
H317 May cause an allergic skin reaction.
H318 Causes serious eye damage.

Pictogram (s)
Corrosion,Exclamation mark

Precautionary Statement – Prevention
P264 Wash hands and skin thoroughly after handling.
P280 Wear eye protection/face protection/protective gloves.
P261 Avoid breathing dust/fume/ gas/mist/ vapours/spray.
P272 Contaminated work clothing should not be allowed out of the workplace.
P273 Avoid release to the environment.

Precautionary Statement – 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.
P310 Immediately call a POISON CENTER/doctor/…
P302+P352 IF ON SKIN: Wash with plenty of water.
P321 Specific treatment (use a skin moisturiser).
P332+P313 If skin irritation occurs: Get medical advice/attention.
P362 +P364 Take off contaminated clothing and wash it before reuse.

Precautionary Statement – Storage
None allocated.

Precautionary Statement – Disposal
P501 Dispose of contents/container to / in accordance with local regulations.

Precautionary Statement – General
P102 Keep out of reach of children.
P103 Read carefully and follow all instructions.

Other Information
Note
IMPORTANT
This SDS and the Hazard Classifications contained therein, only apply to the product in its concentrated form, as supplied.
When diluted with clean water to 1:10 or greater they no longer apply.
However, good hygiene and housekeeping practices should be adhered to.

Section 3 - Composition and Information on Ingredients

Ingredients

Name	CAS	Proportion
disodium metasilicate	6834-92-0	< 5.0 % w/w
sodium hydroxide	1310-73-2	< 10 % w/w
Alcohol ethoxylates	68439-46-3	< 1.0 % w/w
ethylene glycol monobutyl ether	111-76-2	< 10 % w/w
Trisodium Nitrilotriacetate	5064-31-3	< 1.0% w/w
glutaraldehyde	111-30-8	< 0.05% w/w
Ingredients determined to be non-hazardous at concentrations present.	Various	Balance

Other Information

Ingredients: Natural Orange Oil (D-Limonene)
CAS Number: 5989-27-5
Proportion: < 5.0 % w/w

Ingredients: Disodium metasilicate
CAS Number: 6834-92-0
Proportion: < 10 % w/w

Ingredients: Sodium hydroxide
CAS Number: 1310-73-2
Proportion: < 1.0 % w/w

Ingredients: Alcohol Ethoxylates
CAS Number: 68439-46-3
Proportion: < 10 % w/w

Ingredients: Ethylene glycol monobutyl ether
CAS Number: 111-76-2
Proportion: < 10 % w/w

Ingredients: Alcohol Ethoxylates
CAS Number: 68439-50-9
Proportion: < 10 % w/w

Ingredients: Trisodium nitrilotriacetate
CAS Number: 5064-31-3
Proportion: < 1.0% w/w

Ingredients: Glutaraldehyde
CAS Number: 111-30-8
Proportion: < 0.05% w/w

Ingredients: Ingredients determined to be nonhazardous at concentrations present.
CAS Number: various
Proportion: 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

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.

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).

Skin
Wash skin with plenty of water. Seek medical advice (e.g. doctor) if irritation, burning or redness develops. Seek medical advice (e.g. doctor).

Eye
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. Immediately call a POISON CENTER/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 - Firefighting Measures

Suitable Extinguishing Media
Use an extinguishing media suitable for surrounding fires.

Specific Methods
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 decomposition.

Specific hazards arising from the chemical
Fire and Explosion Hazards : Non flammable.

Hazchem Code
None allocated.

Other Information
Flash Point : Non combustible

Section 6 - Accidental Release Measures

Emergency Procedures
Shut off engine and electrical equipment and leave off.
Move people from immediate area; keep upwind. Wear appropriate personal protective equipment and clothing to prevent exposure.
Stop leak if safe to do so. 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.

Other Information
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 required, neutralize with citric acid or acetic acid. 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

Precautions for Safe Handling
As with any chemical, avoid excessive personal contact. Wear protective clothing 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. Always wash hands with water after handling. Work clothes should be laundered. Launder contaminated clothing before re-use.

Conditions for safe storage, including any incompatibilities
Store in a cool, dry, place with good ventilation. Avoid storing in aluminium and light alloy containers. Store away from acids. Keep containers closed at all times – check regularly for leaks

Section 8 - Exposure Controls and Personal Protection

Occupational exposure limit values
National Occupational Exposure Limits, as published by National Occupational Health & Safety Commission:
Time-weighted Average (TWA): None established for product.
For ingredients:
Sodium hydroxide: 2 mg/m3 Peak limitation
Ethylene glycol monobutyl ether: 20ppm, (96.9 mg/m3)
Glutaraldehyde: 0.1 ppm Peak limitation, 0.41mg/m3 Peak limitation
Short Term Exposure Limit (STEL): None established for product.
For ingredient:
Ethylene glycol monobutyl ether: 50 ppm, (242 mg/m3)

Biological Monitoring
No biological limits allocated.

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

Respiratory Protection
Not required for normal cleaning operations 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.

Eye and Face 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.

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;

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

Body Protection
Skin Protection
Wear 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.

Section 9 - Physical and Chemical Properties

Properties	Description	Properties	Description
Form	Liquid	**Colour**	Red
Odour	Characteristic citrus	**Freezing Point**	Not relevant
Boiling Point	Not relevant	**Solubility in Water**	Miscible in all proportions
Specific Gravity	1.01 – 1.03 @ 25 °C	**pH**	~ 11.35 (neat)
Vapour Pressure	Not available	**Relative Vapour Density (Air=1)**	Not available
Evaporation Rate	Not available	**Coefficient Water/Oil Distr.**	Not available
Physical State	Liquid	**Odour Threshold**	Not available
Viscosity	Not available	**Volatile Component**	Not available
Flash Point	Not flammable	**Flammable Limits - Lower**	None
Flammable Limits - Upper	None		

Other Information
Volatile Organic Compounds (VOC): <5 % v/v

Section 10 - Stability and Reactivity

Reactivity
Stable at normal temperatures and pressure.

Chemical Stability
Stable under normal ambient and anticipated storage and handling conditions of temperature and pressure.

Possibility of hazardous reactions
None known.

Conditions to Avoid
Avoid contact with heat or heat sources. Acids.

Incompatible Materials
Oxidising agents.

Hazardous Decomposition Products
Product can decompose on combustion (burning) to form Carbon Monoxide, Carbon Dioxide, and other possibly toxic gases and vapours.

Section 11 - Toxicological Information

Toxicology 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: For WSA format, please refer to Health Effects Section for acute effects.

Toxicology Information
Not toxic, based on ingredients. Oral LD50 (ATE calculated): >5,000 mg/kg

Ingestion
Ingestion may result in irritation to the mouth and throat, nausea, vomiting.

Inhalation
Inhalation over exposure may result in mucous membrane irritation of the respiratory tract and coughing.

Skin
Skin contact may result in irritation, redness, rash, dermatitis. Severity depends on the concentration and duration of exposure.

Eye
Concentrated product causes eye irritation. Eye contact with concentrate will cause stinging, blurring, tearing. Contact with concentrated product may cause serious eye damage.

Respiratory Sensitisation
Not expected to be a respiratory sensitizer.

Skin Sensitisation
Classified as a Category 1 Skin sensitizer (D-limonene).

Germ Cell Mutagenicity
Not considered to be a mutagenic hazard.

Carcinogenicity
NOHSC: Trisodium nitrilotriacetate (Cas Number: 5064-31-3) classified as Category 2 carcinogen.
NTP: No significant ingredient is classified as carcinogenic by NTP.
IARC: No significant ingredient is classified as carcinogenic by IARC.

Reproductive Toxicity
Not considered to be toxic to reproduction.

STOT - Single Exposure
Not expected to cause toxicity to a specific target organ.

STOT - Repeated Exposure
Not expected to cause toxicity to a specific target organ.

Aspiration Hazard
Not expected to be an aspiration hazard.

Chronic Effects
Chronic exposure
People previously sensitised to Glutaraldehyde should avoid using this product.

Section 12 - Ecological Information

Ecological Information
Acute Aquatic Toxicity
Product (as sold)
Acute Aquatic Toxicity Category 3
H402 - Harmful to aquatic life. (LC50 >10 mg/L, but < 100mg/L)
Acute Aquatic Toxicity (ATE Calculated) LC50 fish: 12 - 20 mg/L.

Product (at use dilution)
Acute Aquatic Toxicity NOT HAZARDOUS
Not harmful to aquatic life. LC50 > 100mg/L.
Acute Aquatic Toxicity (ATE Calculated) LC50: 1200 - 2000 mg/L.

Persistence and degradability
Readily Biodegradable, based on ingredients.

Mobility
Mobility in soil
Due to its physico-chemical characteristics, highly mobile in the environment and will partition to the aquatic compartment.

Bioaccumulative Potential
No bioaccumulation is expected.

Other Adverse Effects
Not available

Environmental Protection
Do not discharge this material into waterways.

Section 13 - Disposal Considerations

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

Section 14 - Transport Information

UN Number
None Allocated

Proper Shipping Name
None Allocated

Transport Hazard Class
None Allocated

Hazchem Code
None allocated.

IATA UN Number
NCAD

IATA Proper Shipping Name
Not dangerous for conveyance under IATA code

IMDG UN Number
NCAD

IMDG Proper Shipping Name
Not dangerous for conveyance under IMO/IMDG code

Additional Information
IMDG Marine Pollutant: No

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

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.
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 (Subsidiary Hazard) Group Standard 2020 - HSR002530

Poisons Schedule
Not Scheduled

Global Inventory Status

Country/Region Inventory	Status Description	Country/Region Inventory	Status Description
Australia (AICS/AIIC)	All components of this product are listed on or exempt from the Australian Inventory of Chemical Substances (AICS).		

Section 16 - Any Other Relevant Information

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.
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.

User Codes

User Title Label	User Codes
Wis Numbers	00746878
Wis Numbers	00746895
Wis Numbers	02448568
Wis Numbers	03175744
Wis Numbers	03175761
Wis Numbers	08565593

Signature of Preparer/Data Service
This Safety Data Sheet has been prepared by Tuwai Specialties on behalf of its client.
tuwai.wt@bigpond.com

Other Information
Version Number:
V 2.0 First Issue – GHS7 Classification

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.

This SDS has been transcribed into Infosafe GHS format from an original, issued by the manufacturer on the date shown. Any disclaimer by the manufacturer may not be included in the transcription.

END OF SDS