

SAFETY DATA SHEET



Product: Engine Parts Degreaser

SECTION 1 – STATEMENT OF CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Trade Name:	ENGINE PARTS DEGREASER		
SUPPLIER:	Construction Supply Specialists		
ADDRESS:	17 Lakeside Drive Broadmeadows VIC 3047		
TELEPHONE:	+61 3 93574228	FAX:	+61 3 93574229
AH EMERGENCY TELEPHONE:	13 1126 in Australia	ABN:	67 100 073 087
Substance:	Liquid	Product Use:	Degreaser
Creation Date:	July 2018	Revision Date:	July 2023
Product Code:			

SECTION 2 – HAZARDS IDENTIFICATION

Classification of the substance or mixture

- This product is classified as **HAZARDOUS** according to criteria of Safe Work Australia.
- The product is a **DANGEROUS GOOD** according to the Australian Dangerous Goods (ADG) Code.
- The product is classified as **HAZARDOUS** according to GHS.

GHS - GLOBALLY HARMONISED SYSTEM

GHS Classification	Flammable Liquid – Category 3 Aspiration Hazard – Category 1 Skin Corrosion / Irritation – Category 2 Specific target organ toxicity – single exposure, category 3 (narcotic effects) Serious Eye Damage/Irritation – Category 1 Aspiration Hazard – Category 1 Acute Hazard to the Aquatic Environment – Category 1 Chronic Hazard to the Aquatic Environment – Category 2
GHS Pictogram	
GHS Signal Word	DANGER

Hazard statement(s)

H226	Flammable liquid and vapour
H304	May be fatal if swallowed and enters airways
H315	Causes skin irritation
H318	Causes serious eye damage
H336	May cause drowsiness or dizziness
H400	Very toxic to aquatic life
H411	Toxic to aquatic life with long lasting effects

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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 label before use.

Precautionary statement(s): Prevention

P210	Keep away from all sources of ignition - No smoking
P233	Keep container tightly closed
P240	Ground/bond container and receiving equipment
P241	Use explosion-proof electrical, ventilating, lighting and all other equipment
P242	Use only non-sparking tools
P243	Take precautionary measures against static discharge
P261	Avoid breathing dust, fume, gas, mist, vapours or spray
P264	Wash hands, face and all exposed skin thoroughly after handling
P271	Use only outdoors or in a well-ventilated area
P280	Wear protective clothing, gloves, eye/face protection and suitable respirator

Precautionary statement(s): Response

P101	If medical advice is needed, have product container or label at hand
P310	Immediately call a POISON CENTER or doctor/physician
P301 + P310	IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician
P331	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 if easy to do.
P362	Take off contaminated clothing and wash before reuse

Precautionary statement(s): Storage

P405	Store locked up.
P403 + P235	Store in a well ventilated place. Keep cool

Precautionary statement(s): Disposal

P501	Dispose of contents/container in accordance with local regulations.
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ADG CODE DANGEROUS GOODS

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UN Number	1223	ADG Classification	3
Shipping Name	Kersone	ADG Subsidiary Risk	none allocated
Hazchem Code	3Y	Packing Group	III

POISON SCHEDULES	
SUSMP Classification	S5

EMERGENCY OVERVIEW			
Colour	colourless	Odour	Hydrocarbon
Physical Description	Liquid	Viscosity	Not relevant
Note			
IMPORTANT	This SDS and the Hazard Classifications contained therein, only apply to the product in its concentrated form, as supplied.		

SECTION 3 – COMPOSITION AND INFORMATION ON INGREDIENTS

Ingredients:	CAS Number:	Proportion:
Kerosene (petroleum), hydrosulfurised	64742-81-0	> 95%
Alcohols C12-C15 ethoxylated	68131-39-5	< 5%
Ingredients determined to be non-hazardous		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) , 4th edition United Nations 2011.	

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	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 contact	Immediately irrigate with copious quantities of water for at least 20 minutes. Eyelids to be held open. Seek urgent medical advice (e.g. ophthalmologist) if symptoms persist.

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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. Delayed pulmonary oedema may result. Can cause corneal burns.

SECTION 5 – FIRE FIGHTING MEASURES

Fire and Explosion Hazards	Flammable.
Extinguishing Media	Use an extinguishing media suitable for fires. If material is involved in the fire, use alcohol resistant foam or dry agent
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 decomposition.
Flash Point	combustible

SECTION 6 – ACCIDENTAL RELEASE MEASURES

Emergency Procedures	<ul style="list-style-type: none">• Shut off engine and electrical equipment and leave off.• Move people from immediate area; keep upwind.• 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.
Occupational Release	Minor spills do not normally need any special clean-up measures. 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.

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Other Advice	<p>Flammable liquid. May form flammable vapour mixtures with air. Flameproof equipment necessary in area where this chemical is being used. Nearby equipment must be earthed. Electrical requirements for work area should be assessed according to AS3000. Vapour may travel a considerable distance to source of ignition and flash back. Avoid all ignition sources. All potential sources of ignition (open flames, pilot lights, furnaces, spark producing switches and electrical equipment etc) must be eliminated both in and near the work area. Do NOT smoke.</p>
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SECTION 7 – HANDLING AND STORAGE

General	<p>Avoid breathing vapours or contact with material. Only use in well ventilated areas. Wash thoroughly after handling. For guidance on selection of personal protective equipment see Chapter 8 of this Material Safety Data Sheet. Use the information in this data sheet as input to a risk assessment of local circumstances to help determine appropriate controls for safe handling, storage and disposal of this material. Air-dry contaminated clothing in a well-ventilated area before laundering. Prevent spillages. Use local exhaust ventilation if there is risk of inhalation of vapours, mists or aerosols. Never siphon by mouth. Contaminated leather articles including shoes cannot be decontaminated and should be destroyed to prevent reuse. Maintenance and Fuelling Activities - Avoid inhalation of vapours and contact with skin.</p>
Handling	<p>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.</p>
Storage	<p>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</p>

SECTION 8 – EXPOSURE CONTROLS AND PERSONAL PROTECTION

Control parameters				
Occupational Exposure Limits	Material	Source	Type	mg/m ³
	Oil mist	ACGIH	TWA	5

Control parameters	
Biological Limits	No biological limits allocated.

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PERSONAL PROTECTION PPE

Ventilation

Provide sufficient ventilation to keep airborne levels below the exposure limits. Where vapours or mists are generated, particularly in enclosed areas, and natural ventilation is inadequate, a flameproof exhaust ventilation system is required. Refer to AS 1940 - The storage and handling of flammable and combustible liquids and AS/NZS 2430.3.1:1997 : Classification of hazardous areas - Examples of area classification - General, for further information concerning ventilation requirements.

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



Safety glasses with side shields, goggles or full-face shield as appropriate recommended. Final choice of appropriate eye/face protection will vary according to individual circumstances i.e. methods of handling or engineering controls and according to risk assessments undertaken. Eye protection should conform with Australian/New Zealand Standard AS/NZS 1337 - Eye Protectors for Industrial Applications.

Skin Protection



Wear gloves of impervious material. Final choice of appropriate gloves will vary according to individual circumstances i.e. methods of handling or according to risk assessments undertaken. Reference should be made to AS/NZS 2161.1: Occupational protective gloves - Selection, use and maintenance.

Protective Material Types

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

Respirator



If engineering controls do not maintain airborne concentrations to a level which is adequate to protect worker health, select respiratory protection equipment suitable for the specific conditions of use and meeting relevant legislation. Check with respiratory protective equipment suppliers. Where air-filtering respirators are suitable, select an appropriate combination of mask and filter. Select a filter suitable for organic gases and vapours [Type A boiling point > 65°C (149°F)] meeting EN14387. Where respiratory protective equipment is required, use a full-face mask. Where air-filtering respirators are unsuitable (e.g., airborne concentrations are high, risk of oxygen deficiency, confined space) use appropriate positive pressure breathing apparatus.

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SECTION 9 – PHYSICAL AND CHEMICAL PROPERTIES

Physical State	Liquid	Colour	Colourless
Odour	Hydrocarbon	Specific Gravity	~ 0.80 @ 25 °C
Boiling Range	150 - 280 °C	Freezing Point	Not relevant
Vapour Pressure	<0.3 kPa at 20°C	Vapour Density	Not known
Flash Point	flammable	Flammable Limits	Flammable
Volatile Organic Compounds (VOC)	0 % 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.
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. Acids.
Incompatible materials	Oxidising agents
Hazardous decomposition products	Product can decompose on combustion to form Carbon Monoxide, Carbon Dioxide, and other possibly toxic gases and vapours. Acids (especially hydrochloric acid); will generate toxic gas.
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.
Ingestion	Ingestion may result in irritation to the mouth and throat, nausea, vomiting.
Skin Contact	Skin contact may result in irritation, redness, pain, rash, dermatitis. Severity depends on the concentration and duration of exposure.
Eye	Contact may result in irritation, lacrimation, pain, redness, conjunctivitis and corneal burns with possible permanent damage.
Chronic	No known effects.

ENGINE PARTS	TOXICITY	IRRITATION
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DEGREASER	LD50 calculated >5,000mg/kg	Mild irritation – skin. Severe irritation – eyes.
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SECTION 12 – ECOLOGICAL INFORMATION

General	No single ingredient (over 1%) recognised as environmental pollutant. Product miscible in all proportions with water. AS WITH ANY CHEMICAL PRODUCT, DO NOT DISCHARGE INTO DRAINS, WATERWAYS, SEWER OR ENVIRONMENT. Inform local authorities if this occurs.
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Aquatic Toxicity	
ENGINE PARTS DEGREASER (as sold)	Acute Toxicity to fish – CATEGORY ACUTE 1

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.
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SECTION 14 – TRANSPORT INFORMATION

Labels Required	
ADG	3
Marine Pollutant	Yes
HAZCHEM	3Y

Land Transport (ADG)	
UN number	1223
Packing group	III
UN proper shipping name	Kerosene
Environmental hazard class(es)	Marine Pollutant
Transport hazard class(es)	Dangerous Good, Class 3
Special precautions for user	Refer to incompatibilities in section 7 and stability and reactivity information in section 10.

Air transport (ICAO-IATA / DGR)	
UN number	1223
Packing group	III
UN proper shipping name	Kerosene
Environmental hazard	Marine Pollutant

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Transport hazard class(es)	Dangerous Good, Class 3
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Sea transport (IMDG-Code / GGVSee)	
UN number	1223
Packing group	III
UN proper shipping name	Kerosene
Environmental hazard class(es)	Marine Pollutant
Transport hazard class(es)	Dangerous Good, Class 3
Special precautions for user	Refer to incompatibilities in section 7 and stability and reactivity information in section 10.

SECTION 15 – REGULATORY INFORMATION

Labeling Details	
GHS Classification	Flammable Liquid – Category 3 Aspiration Hazard – Category 1 Skin Corrosion / Irritation – Category 2 Specific target organ toxicity – single exposure, category 3 (narcotic effects) Serious Eye Damage/Irritation – Category 1 Aspiration Hazard – Category 1 Acute Hazard to the Aquatic Environment – Category 1 Chronic Hazard to the Aquatic Environment – Category 2
SUSMP	S5
ADG Code	3
AICS	All ingredients present on AICS.

SECTION 16 – OTHER INFORMATION

Issue Date	5 July 2018
Version Number	V 1.0
Abbreviations and acronyms	<p>ADG Code: Australian Code for the Transport of Dangerous Goods by Road and Rail.</p> <p>AICS: Australian Inventory of Chemical Substances.</p> <p>CAS Number: Chemical Abstracts Service Registry Number.</p> <p>GHS: Globally Harmonized System of Classification and Labelling of Chemicals</p> <p>HAZCHEM: An emergency action code of numbers and letters which gives information to emergency services.</p> <p>HSIS: Hazardous Substances Information System</p> <p>IARC: International Agency for Research on Cancer.</p> <p>NOHSC: National Occupational Health and Safety Commission.</p> <p>NTP: National Toxicology Program (USA).</p> <p>SDS: Safety Data Sheet</p>

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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	<p>Preparation of Safety Data Sheets for Hazardous Chemicals – Code of Practice (December 2011 – Safe Work Australia)</p> <p>GHS Hazardous Chemical Information List (September 2014 – Safe Work Australia)</p> <p>Guidance on the Classification of Hazardous Chemicals under the WHS Regulations. April 2012. Safe Work Australia.</p> <p>Global Harmonized System of Classification and Labelling of Chemicals (GHS). Fifth revised edition.</p> <p>“Australian Exposure Standards”</p> <p>List of Designated Hazardous Substances [NOHSC:10005(1999)]</p> <p>Australian Code For The Transport Of Dangerous Goods By Road And Rail – 7th Edition.</p> <p>Standard for the Uniform Scheduling of Medicines and Poisons 2015.</p> <p>Material Safety Data Sheets – individual raw materials – Suppliers.</p> <p>Approved Criteria for Classifying Hazardous Substances [NOHSC:1008(1999)]</p> <p>HSIS – Hazardous Substance Information System – National Worksafe Data Base.</p> <p>LABELLING OF WORKPLACE HAZARDOUS CHEMICALS, Code of Practice, DEC 2011</p> <p>IMPLEMENTATION OF THE GLOBALLY HARMONISED SYSTEM OF CLASSIFICATION AND LABELLING OF CHEMICALS (GHS) APRIL 2012</p>
Risk assessments	<p>This SDS is a tool to communicate hazards which can assist you in creating relevant risk assessments for your workplace. There are many variables in determining whether a particular hazard is a risk in your workplace. Keep in mind this may be influenced by such things as the amount used, frequency of use, engineering controls, effectiveness of safety training and many more considerations.</p>
Disclaimer	<p>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.</p>
Note	<p>Safety Data Sheets are updated frequently. Please ensure that you have a current copy.</p>
Copyright	<p>This document is copyright.</p>
End of SDS	