



OIL SYSTEM CLEANER

Material Safety Data Sheet

SECTION 1 IDENTIFICATION OF THE MATERIAL AND SUPPLIER

Product Name	Cartech Oil System Cleaner
Other Names	CT500 250 ml CT510 20 litres Liquid Hydrocarbons / SUSDP Schedule 5
Recommended Use	Cleaning fluid for engine systems
Supplier Name	Cartech Automotive Products Australia
Address	100 Hassall Street, Wetherill Park NSW 2164 Private Bag 35, Wetherill Park NSW 2164
Telephone Number	(02) 8717 6000
Emergency Phone Number	(02) 8717 6000 Monday-Friday 8.00am – 5.00pm 13 11 26 (24 hours Australia) Poisons Information Centre (PIC) 0800 764 766 (New Zealand) Poisons Information Centre (PIC)

SECTION 2 HAZARDS IDENTIFICATION

Hazard Classification	HAZARDOUS SUBSTANCE. NON-DANGEROUS GOODS. Classified as hazardous according to the criteria of NOHSC. Not classified as Dangerous Goods according to the criteria of the ADG Code.
Risk Phrase	R 40 Possible risks of irreversible effects.
Safety Phrase	S 2 Keep out of reach of children. S 36/37 Wear suitable protective clothing and gloves. S 45 In case of accident or if you feel unwell, seek medical advice immediately.

SECTION 3	COMPOSITION/INFORMATION ON INGREDIENTS
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Pure substances

Not applicable – Mixture

Mixtures

Chemical Identity	CAS No.	Proportion
Petroleum Distillate	64741-97-5	>60%
Solvent-refined Light Naphthenic Oil	68476-34-6	<10%
Other non-hazardous ingredients	-	<10%

SECTION 4	FIRST AID MEASURES
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Ingestion

If swallowed, do NOT induce vomiting. If vomiting occurs, keep head below hips to help keep liquid from entering the lungs. For advice, contact a Poisons Information Centre or a doctor.

Skin

If skin or hair contact occurs, remove contaminated clothing and flush skin and hair with running water. Wash affected area with soap and water.

Eye

If in eyes, flush with water for 15 minutes. If irritation persists, call for medical help.

Inhalation

Remove person to fresh air to avoid further inhalation. Apply artificial respiration if not breathing.

First Aid Facilities

Eye wash station.

Advice to Doctor

Aspiration into the lungs during ingestion or vomiting can result in severe pulmonary damage.

If more than 2mls per kg body weight has been ingested, emesis should be induced with supervision.

SECTION 5	FIRE FIGHTING MEASURES
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Suitable Extinguishing Media

Dry chemicals, carbon dioxide, water spray and foam are recommended.

Hazards From Combustion Products

Thermal decomposition may produce oxides of carbon, sulphur and nitrogen.

Precautions For Fire Fighters

Combustible liquid. Avoid heat, flame or other sources of ignition. Vapours may be ignited by heat or flame. Containers exposed to heat from fire should be cooled with water to prevent vapour pressure build up.

Special Protective Equipment

Fire fighters should wear self contained breathing apparatus when hydrocarbons are involved in fire.

Hazchem Code

None allocated.

SECTION 6	ACCIDENTAL RELEASE MEASURES
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Emergency Procedures Isolate area and restrict entry. Eliminate all sources of ignition.

Methods and Materials for Containment and Clean Up Procedures Use absorbent, sand or clay. Shovel into containers. Remove to outside. Prevent liquid from entering sewers and water ways. Dispose of in accordance with Federal, State and Local regulations.

SECTION 7	HANDLING AND STORAGE
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Precautions for Safe Handling Keep away from heat and sparks. Do not breathe vapours. Keep containers closed. Keep out of reach of children.

Conditions for Safe Storage Provide adequate ventilation. Do not store opened containers. Use entire contents.

SECTION 8	EXPOSURE CONTROLS/PERSONAL PROTECTION
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National Exposure Standards

Name	ES-TWA	ES-STEL	ES-Peak
None established for product.	-	-	-

Established for ingredients

Mineral Oil Mist	5 mg/m ³	10 mg/m ³	-
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Alternative Standards

Petroleum Oil Mist OSHA (PEL) 5 mg/m³
 ACGIH (TLV-TWA) 5 mg/m³

Contains no other ingredients now known to be hazardous as defined by OSHA 29CFR 1910.1000(z) and 29CFR 1910.1200.

Exposure Standard means the average concentration of a particular substance in the worker's breathing zone, exposure to which, according to current knowledge, should not cause adverse health effects nor cause undue discomfort to nearly all workers.

Biological Limit Values

No biological limit allocated.

Engineering Controls

Provide adequate general or local ventilation to maintain concentrations below ES / TLV / PEL limits.

Personal Protective Equipment

Respiratory Protection	None required with normal application or use of product. If vapours exceed ES / TLV / PEL values, use a NIOSH approved respirator.
Eye / Face Protection	Use safety glasses.
Skin Protection	Chemical resistant gloves.
Thermal Hazards	None applicable.

SECTION 9 PHYSICAL AND CHEMICAL PROPERTIES

Appearance	Clear thin amber liquid
Odour	Petroleum distillate
pH Value	Not applicable
Vapour Pressure	Not available
Vapour Density	Not available
Boiling Point/Range	Not available
Freezing Point	Not available
Melting Point	Not applicable
Solubility	Negligible in water
Density	0.820 @ 15°C
Flash Point	70°C (PMCC)
Flammable Limits	Not available
Ignition Temperature	Not available

SECTION 10 STABILITY AND REACTIVITY

Chemical Stability	Stable
Conditions to Avoid	Heat, flame, or other sources of ignition.
Incompatible Materials	Strong oxidising agents.
Hazardous Decomposition Products	Thermal decomposition may produce oxides of carbon, sulphur and nitrogen.
Hazardous Reactions	Polymerization will not occur.

SECTION 11 TOXICOLOGICAL INFORMATION

Toxicology Information	This material has not been identified as a carcinogen by NTP, IARC or OSHA. Chronic exposure may cause kidney and liver damage.
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Acute Health Effects

Ingestion	Ingestion of this material may cause vomiting. Aspiration into the lungs during ingestion or vomiting can result in severe pulmonary damage.
Inhalation	Inhalation of vapours or mist may cause mild irritation to the upper respiratory tract. High level exposure may result in central nervous system depression.
Eye	May cause irritation to eyes.
Skin	May cause irritation to skin. Prolonged or repeated contact can result in defatting and drying of skin.

Chronic Health Effects**SECTION 12 ECOLOGICAL INFORMATION**

Ecotoxicity	No ecotoxicological classifications.
Persistence/ Degradability	Not available.
Mobility	Not available.

SECTION 13 DISPOSAL CONSIDERATIONS

Disposal Methods	Dispose of waste according to federal, EPA, state and local regulations. Assure conformity with all applicable regulations.
Special Precautions for Landfill or Incineration	Material suitable for disposal by incineration or landfill through a approved agent.

SECTION 14 TRANSPORT INFORMATION

UN Number	None allocated.
Proper Shipping Name	Not applicable.
Class and Subsidiary Risk	Not applicable.
Packing Group	Not applicable.
Special Precautions for User	None required.
Hazchem Code	None allocated.

SECTION 15	REGULATORY INFORMATION
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Poisons Schedule	Liquid Hydrocarbons / Schedule 5 SUSDP No. 21 (2006).
Hazard Category	Harmful / NOHSC : 10005 (1999).

SECTION 16	OTHER INFORMATION
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Acronyms

ABN	Australian Business Number
ACGIH	American Conference of Governmental Industrial Hygienists
ADG	Australian Dangerous Goods
AICS	Australian Inventory of Chemical Substances
AS	Australian Standard
CAS	Chemical Abstracts Service (USA)
COC	Cleveland Open Cup
EPA	Environment Protection Agency (Australian States)
IARC	International Agency for Research on Cancer
IP	Institute of Petroleum (UK)
NIOSH	National Institute for Occupational Safety and Health (USA)
NOHSC	National Occupational Health and Safety Commission (Australia)
NTP	National Toxicology Program (USA)
NZS	New Zealand Standard
OSHA	Occupational Safety and Health Administration (USA)
PEL	Permissible Exposure Level
PMCC	Pensky – Martens Closed Cup
SCBA	Self-Contained Breathing Apparatus
STEL	Short Term Exposure Limit
SUSDP	Standard for the Uniform Scheduling of Drugs and Poisons (Australia)
TLV	Threshold Limit Value
TWA	Time Weighted Average
UN	United Nations

Abbreviations

cP	centiPoise
cSt	centiStoke
g	gram
Hg	Mercury
kPa	kiloPascal
L	litre
m ³	cubic metre
mg	milligram
mL	millilitre
mm	millimetre
°C	degrees of temperature in Celsius (Centigrade)
%	percent(age)

Note

This form has been prepared in accordance with the National Code of Practice for the Preparation of Material Safety Data Sheets 2nd Edition [NOHSC:2011 (2003)] issued by the National Occupation Health and Safety Commission April 2003.

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END OF MATERIAL SAFETY DATA SHEET