

SAFETY DATA SHEET



CYCLO® BREAKAWAY FAST PENETRATING OIL

Version 2.0 Revision Date: 04/09/2019 SDS Number: 600000001128 Date of last issue: 12/20/2018
Date of first issue: 12/20/2018

SECTION 1. PRODUCT AND COMPANY IDENTIFICATION

Product name : CYCLO BREAKAWAY FAST PENETRA OIL 12/13OZ
Product code : C10

Manufacturer or supplier's details

Company name of supplier : Niteo Products, LLC
Phone number : From AUS 0011 1 (800) 843-713
Fax number : From AUS 0011 1 (561) 745-3867
Emergency Contact : First Aid Emergency 0011 1 (321) 906-6194
Distributor info: : Unit 2/19 Technology Circuit, Hallam VIC 3803 03 9702 4314
The Poison Information Center Australia : Ph:13 11 26

Recommended use of the chemical and restrictions on use

Recommended use : Lubricant
Restrictions on use : Use only outdoors or in a well-ventilated area.

SECTION 2. HAZARDS IDENTIFICATION

GHS Classification

Aerosols : Category 2
Skin irritation : Category 3
Eye irritation : Category 2A
Aspiration hazard : Category 1

GHS label elements

Hazard pictograms : 

Signal word : Danger

Hazard statements : H223 Flammable aerosol.
H229 Pressurised container: May burst if heated.
H304 May be fatal if swallowed and enters airways.
H316 Causes mild skin irritation.

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H319 Causes serious eye irritation.

Precautionary statements :

Prevention:

P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
P211 Do not spray on an open flame or other ignition source.
P251 Do not pierce or burn, even after use.
P264 Wash skin thoroughly after handling.
P280 Wear eye protection/ face protection.

Response:

P301 + P310 IF SWALLOWED: Immediately call a POISON CENTER or doctor/ physician.
P305 + P351 + P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P331 Do NOT induce vomiting.
P332 + P313 If skin irritation occurs: Get medical advice/ attention.

Storage:

P405 Store locked up.
P410 + P412 Protect from sunlight. Do not expose to temperatures exceeding 50 °C/ 122 °F.

Disposal:

P501 Dispose of contents/ container to an approved waste disposal plant.

Other hazards

None known.

SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

Substance / Mixture : Mixture

Hazardous components

Chemical name	CAS-No.	Concentration (% w/w)
Distillates (petroleum)	64742-65-0	>= 50 -< 70
Distillates (petroleum)	64742-47-8	>= 10 -< 20
Mineral Oil, Petroleum	64742-06-9	>= 5 -< 10
Propane	74-98-6	>= 5 -< 10
Butane	106-97-8	>= 5 -< 10
Cyclohexanone	108-94-1	>= 1 -< 3
Oxidate	Not Assigned	>= 1 -< 5

Any concentration shown as a range is to protect confidentiality or is due to batch variation.

SECTION 4. FIRST AID MEASURES

General advice : Move out of dangerous area.
Show this safety data sheet to the doctor in attendance.

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- Symptoms of poisoning may appear several hours later.
Do not leave the victim unattended.
- If inhaled : If breathed in, move person into fresh air.
If unconscious, place in recovery position and seek medical advice.
If symptoms persist, call a physician.
- In case of skin contact : If on clothes, remove clothes.
Remove contaminated clothing. If irritation develops, get medical attention.
If on skin, rinse well with water.
Wash contaminated clothing before re-use.
If skin irritation persists, call a physician.
- In case of eye contact : Immediately flush eye(s) with plenty of water.
Remove contact lenses.
Protect unharmed eye.
Keep eye wide open while rinsing.
If eye irritation persists, consult a specialist.
- If swallowed : Obtain medical attention.
Do NOT induce vomiting.
Do not give milk or alcoholic beverages.
Never give anything by mouth to an unconscious person.
If symptoms persist, call a physician.
- Most important symptoms and effects, both acute and delayed : Inhalation of high concentrations of this material, as could occur in enclosed spaces or during deliberate abuse, may be associated with cardiac arrhythmias. Sympathomimetic drugs may initiate cardiac arrhythmias in persons exposed to this material.
May be fatal if swallowed and enters airways.
Causes mild skin irritation.
Causes serious eye irritation.

SECTION 5. FIREFIGHTING MEASURES

- Suitable extinguishing media : Water spray
Carbon dioxide (CO₂)
Dry chemical
Alcohol-resistant foam
- Unsuitable extinguishing media : High volume water jet
- Hazardous combustion products : Carbon oxides
- Specific extinguishing methods : Product is compatible with standard fire-fighting agents.

Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

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Use a water spray to cool fully closed containers.

Special protective equipment : In the event of fire, wear self-contained breathing apparatus for firefighters

SECTION 6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures : Use personal protective equipment.
Remove all sources of ignition.
Ensure adequate ventilation.
Avoid breathing dust.
Beware of vapours accumulating to form explosive concentrations. Vapours can accumulate in low areas.
Evacuate personnel to safe areas.
Persons not wearing protective equipment should be excluded from area of spill until clean-up has been completed.

Environmental precautions : Prevent further leakage or spillage if safe to do so.
Prevent product from entering drains.
Do not flush into surface water or sanitary sewer system.
If the product contaminates rivers and lakes or drains inform respective authorities.

SECTION 7. HANDLING AND STORAGE

Advice on protection against fire and explosion : Take necessary action to avoid static electricity discharge (which might cause ignition of organic vapours).
Keep away from open flames, hot surfaces and sources of ignition.
Use only explosion-proof equipment.
Do not spray on a naked flame or any incandescent material.

Advice on safe handling : Open drum carefully as content may be under pressure.
Provide sufficient air exchange and/or exhaust in work rooms.
Do not breathe vapours/dust.
Do not smoke.
Take precautionary measures against static discharges.
Avoid contact with skin and eyes.
Dispose of rinse water in accordance with local and national regulations.
Container hazardous when empty.
Smoking, eating and drinking should be prohibited in the application area.
For personal protection see section 8.

Hygiene measures : Handle in accordance with good industrial hygiene and safety practice.
When using do not smoke.
When using do not eat or drink.

Conditions for safe storage : BEWARE: Aerosol is pressurized. Keep away from direct sun exposure and temperatures over 50 °C. Do not open by force or throw into fire even after use. Do not spray on flames or

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red-hot objects.
Keep container tightly closed in a dry and well-ventilated place.
Observe label precautions.
No smoking.

Further information on storage stability : No decomposition if stored and applied as directed.

SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Components with workplace control parameters

Components	CAS-No.	Value type (Form of exposure)	Control parameters / Permissible concentration	Basis
Distillates (petroleum)	64742-65-0	VLE-PPT (Mist)	5 mg/m ³	NOM-010-STPS-2014
		TWA (Inhalable fraction)	5 mg/m ³	ACGIH
Distillates (petroleum)	64742-47-8	TWA	200 mg/m ³ (total hydrocarbon vapor)	ACGIH
Propane	74-98-6	VLE-PPT	1,000 ppm	NOM-010-STPS-2014
Butane	106-97-8	VLE-PPT	1,000 ppm	NOM-010-STPS-2014
		STEL	1,000 ppm	ACGIH
Cyclohexanone	108-94-1	VLE-PPT	20 ppm	NOM-010-STPS-2014
		VLE-CT	50 ppm	NOM-010-STPS-2014
		TWA	20 ppm	ACGIH
		STEL	50 ppm	ACGIH

Biological occupational exposure limits

Components	CAS-No.	Control parameters	Biological specimen	Sampling time	Permissible concentration	Basis
Cyclohexanone	108-94-1	1,2-Cyclohexanediol	Urine	End of shift at end of work-week	80 mg/l	MX BEI
		Cyclohexanol	Urine	End of shift	8 mg/l	MX BEI
		1,2-Cyclohexanediol	Urine	End of shift at end of work-week	80 mg/l	ACGIH BEI
		Cyclohexanol	Urine	End of shift (As	8 mg/l	ACGIH BEI

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				soon as possible after exposure ceases)		
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Engineering measures : Provide sufficient mechanical (general and/or local exhaust) ventilation to maintain exposure below exposure guidelines (if applicable) or below levels that cause known, suspected or apparent adverse effects.

Personal protective equipment

Hand protection

Remarks : Wear resistant gloves (consult your safety equipment supplier). The suitability for a specific workplace should be discussed with the producers of the protective gloves.

Eye protection : Wear chemical splash goggles when there is the potential for exposure of the eyes to liquid, vapor or mist.

Skin and body protection : Choose body protection according to the amount and concentration of the dangerous substance at the work place.
Wear as appropriate:
Impervious clothing
Flame-resistant clothing
Safety shoes

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance : aerosol
Colour : amber
Odour : solvent-like
Odour Threshold : not determined
pH : No data available
Melting point/freezing point : No data available
Boiling point/boiling range : not determined
Flash point : -97 °C
Method: closed cup
Evaporation rate : not determined
Flammability (solid, gas) : not determined
Self-ignition : No data available
Upper explosion limit / Upper : No data available

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flammability limit

Lower explosion limit / Lower flammability limit : No data available

Vapour pressure : not determined

Relative vapour density : not determined

Density : 0.82 g/cm³

Solubility(ies)
Water solubility : not determined

Partition coefficient: n-octanol/water : No data available

Decomposition temperature : No data available

Viscosity
Viscosity, kinematic : not determined

Molecular weight : No data available

VOC % By Weight : 22.18 %

SECTION 10. STABILITY AND REACTIVITY

Reactivity : No decomposition if stored and applied as directed.

Chemical stability : No decomposition if stored and applied as directed.

Possibility of hazardous reactions : No decomposition if stored and applied as directed.
Vapours may form explosive mixture with air.

Conditions to avoid : Heat, flames and sparks.

Incompatible materials : Strong oxidizing agents

Hazardous decomposition products : Carbon oxides

SECTION 11. TOXICOLOGICAL INFORMATION

Information on likely routes of exposure

Inhalation
Eye contact
Skin contact
Ingestion

Acute toxicity

Not classified based on available information.

Product:

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- Acute oral toxicity : Acute toxicity estimate: > 5,000 mg/kg
Method: Calculation method
- Acute inhalation toxicity : Acute toxicity estimate: > 40 mg/l
Exposure time: 4 h
Test atmosphere: vapour
Method: Calculation method
- Acute dermal toxicity : Acute toxicity estimate: > 5,000 mg/kg
Method: Calculation method

Components:

Distillates (petroleum):

- Acute oral toxicity : LD50 (Rat): > 5,000 mg/kg
- Acute dermal toxicity : LD50 (Rabbit): > 5,000 mg/kg

Distillates (petroleum):

- Acute oral toxicity : LD50 (Rat): > 5,000 mg/kg
- Acute inhalation toxicity : LC50 (Rat, male and female): > 5.28 mg/l
Exposure time: 4 h
Test atmosphere: vapour
Method: OECD Test Guideline 403
Assessment: No adverse effect has been observed in acute inhalation toxicity tests.
- Acute dermal toxicity : LD50 (Rabbit): > 2,000 mg/kg
Assessment: No adverse effect has been observed in acute dermal toxicity tests.

Butane:

- Acute oral toxicity : LD50 (Rat): > 5 g/kg
- Acute dermal toxicity : LD50 (Rabbit): > 3.16 g/kg

Cyclohexanone:

- Acute oral toxicity : LD50 (Rat, male): 1,620 mg/kg
- Acute inhalation toxicity : LC50 (Rat): > 6.2 mg/l
Exposure time: 4 h
Test atmosphere: vapour
Assessment: The component/mixture is moderately toxic after short term inhalation.
- Acute dermal toxicity : LD50 (Rabbit): > 794 - < 3,160 mg/kg
Assessment: The component/mixture is moderately toxic after single contact with skin.

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Skin corrosion/irritation

Causes mild skin irritation.

Product:

Remarks: May irritate skin.

Components:

Distillates (petroleum):

Result: Possibly irritating to skin

Distillates (petroleum):

Result: Possibly irritating to skin

Butane:

Result: Possibly irritating to skin

Cyclohexanone:

Assessment: Irritating to skin.

Result: Irritating to skin.

Serious eye damage/eye irritation

Causes serious eye irritation.

Product:

Remarks: Vapours may cause irritation to the eyes, respiratory system and the skin.

Components:

Distillates (petroleum):

Result: Possibly irritating to eyes

Distillates (petroleum):

Result: Possibly irritating to eyes

Butane:

Result: Possibly irritating to eyes

Cyclohexanone:

Result: Irreversible effects on the eye

Oxidate:

Result: Irritating to eyes.

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Respiratory or skin sensitisation

Skin sensitisation

Not classified based on available information.

Respiratory sensitisation

Not classified based on available information.

Components:

Oxidate:

Result: Not a skin sensitizer.

Germ cell mutagenicity

Not classified based on available information.

Components:

Propane:

Genotoxicity in vitro : Test Type: Ames test
Test system: Salmonella typhimurium
Metabolic activation: with and without metabolic activation
Result: negative

Carcinogenicity

Not classified based on available information.

Reproductive toxicity

Not classified based on available information.

STOT - single exposure

Not classified based on available information.

STOT - repeated exposure

Not classified based on available information.

Aspiration toxicity

May be fatal if swallowed and enters airways.

Components:

Distillates (petroleum):

May be fatal if swallowed and enters airways.

Distillates (petroleum):

May be fatal if swallowed and enters airways.

Mineral Oil, Petroleum:

May be fatal if swallowed and enters airways.

Further information

Product:

Remarks: No data available

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SECTION 12. ECOLOGICAL INFORMATION

Toxicity

Additional ecological information : No data available

SECTION 13. DISPOSAL CONSIDERATIONS

Disposal methods

Waste from residues : Dispose of in accordance with all applicable local, state and federal regulations.

Contaminated packaging : Empty remaining contents.
Dispose of as unused product.
Do not re-use empty containers.
Do not burn, or use a cutting torch on, the empty drum.

SECTION 14. TRANSPORT INFORMATION

Dangerous goods descriptions (if indicated below) may not reflect quantity, end-use, or region-specific exceptions that can be applied. Consult shipping documents for descriptions that are specific to the shipment.

International Regulations

IATA-DGR

UN/ID No. : UN 1950
Proper shipping name : Aerosols, flammable
Class : 2.1
Packing group : Not assigned by regulation
Labels : 2.1
Packing instruction (cargo aircraft) : 203
Packing instruction (passenger aircraft) : 203

IMDG-Code

UN number : UN 1950
Proper shipping name : AEROSOLS
Class : 2.1
Packing group : Not assigned by regulation
Labels : 2.1
EmS Code : F-D, S-U
Marine pollutant : no

Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

Not applicable for product as supplied.

National Regulations

NOM-002-SCT

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UN number	:	UN 1950
Proper shipping name	:	AEROSOLS
Class	:	2.1
Packing group	:	Not assigned by regulation
Labels	:	2.1

Special precautions for user

Not applicable

SECTION 15. REGULATORY INFORMATION

Safety, health and environmental regulations/legislation specific for the substance or mixture

Federal Law for the control of chemical precursors, essential chemical products and machinery for producing capsules, tablets and pills. : Not applicable

SECTION 16. OTHER INFORMATION

Revision Date : 04/09/2019

The information is considered as correct, but not exhaustive, and will be used only as a guide, which is based in the current knowledge of the substance or mixture, and is applicable to proper safety precautions for the product.

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