

SAFETY DATA SHEET



CYCLO® DRY MOLY

Version	Revision Date:	SDS Number:	Date of last issue:
2.3	04/10/2024	600000001236	04/09/2024
			Date of first issue: 09/26/2017

SECTION 1. IDENTIFICATION

Product name : CYCLO DRY MOLY LUBRICANT 12/10.25 OZ

Product code : C3322

Manufacture or supplier's details

Company Name of Supplier	: Niteo Products, LLC
Address	: 720 Vaiden Dr, Hernando, MS 38632
Email	: EHS@niteoproducts.com
Phone Number	: +1 (844) 696-4836
Australian Importer	: Cyclo Chemicals Australia
Address	: 2/19 Technology Circuit Hallam 3803
Email	: sales@cycloaustralia.com
Phone Number	: +61 3 9702 4314
Website	: www.cycloaustralia.com.au
Poison Information	: 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 in accordance with the OSHA Hazard Communication Standard (29 CFR 1910.1200)

Flammable aerosols : Category 1

Eye irritation : Category 2A

Specific target organ toxicity
- single exposure : Category 3 (Central nervous system)

GHS label elements

Hazard pictograms :



Signal word : Danger

Hazard statements : Extremely flammable aerosol.
Causes serious eye irritation.
May cause drowsiness or dizziness.

Precautionary statements : **Prevention:**
Keep away from heat/ sparks/ open flames/ hot surfaces. No

SAFETY DATA SHEET



CYCLO® DRY MOLY

Version
2.3

Revision Date:
04/10/2024

SDS Number:
600000001236

Date of last issue: 04/09/2024
Date of first issue: 09/26/2017

smoking.
Do not spray on an open flame or other ignition source.
Pressurised container: Do not pierce or burn, even after use.
Avoid breathing dust/ fume/ gas/ mist/ vapours/ spray.
Wash skin thoroughly after handling.
Use only outdoors or in a well-ventilated area.
Wear eye protection/ face protection.

Response:

IF INHALED: Remove person to fresh air and keep comfortable for breathing. Call a POISON CENTRE/ doctor if you feel unwell.

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

If eye irritation persists: Get medical advice/ attention.

Storage:

Store in a well-ventilated place. Keep container tightly closed.
Store locked up.
Protect from sunlight. Do not expose to temperatures exceeding 50 °C/ 122 °F.

Disposal:

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)
Acetone	67-64-1	>= 30 - < 50
Methyl ethyl ketone	78-93-3	>= 30 - < 50
Propane	74-98-6	>= 10 - < 20
Butane	106-97-8	>= 5 - < 10
Isopropanol	67-63-0	>= 5 - < 10
Lubricating Agents (Graphite CAS 7782-42-5; Molybdenum Disulphide CAS 1317-33-5)	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.
Symptoms of poisoning may appear several hours later.
Do not leave the victim unattended.

If inhaled : Move to fresh air.

SAFETY DATA SHEET



CYCLO® DRY MOLY

Version	Revision Date:	SDS Number:	Date of last issue: 04/09/2024
2.3	04/10/2024	600000001236	Date of first issue: 09/26/2017

Consult a physician after significant exposure.
If unconscious, place in recovery position and seek medical advice.
If symptoms persist, call a physician.

In case of skin contact : If on skin, rinse well with water.

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 : Causes serious eye irritation.
May cause drowsiness or dizziness.
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.
This material (or a component) has produced hyperglycaemia and ketosis following substantial ingestion.

SECTION 5. FIRE FIGHTING 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.

Further information : Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.
Use a water spray to cool fully closed containers.

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

SECTION 6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protection : Use personal protective equipment.

SAFETY DATA SHEET



CYCLO® DRY MOLY

Version	Revision Date:	SDS Number:	Date of last issue: 04/09/2024
2.3	04/10/2024	600000001236	Date of first issue: 09/26/2017

tive equipment and emergency procedures

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.

Conditions for safe storage : BEWARE: Aerosol is pressurised. 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 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	Control parameters / Permissible	Basis
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SAFETY DATASHEET



CYCLO® DRY MOLY

Version
2.3

Revision Date:
04/10/2024

SDS Number:
600000001236

Date of last issue: 04/09/2024
Date of first issue: 09/26/2017

		exposure)	concentration	
Acetone	67-64-1	TWA	250 ppm	ACGIH
		STEL	500 ppm	ACGIH
		TWA	250 ppm 590 mg/m3	NIOSH REL
		TWA	1,000 ppm 2,400 mg/m3	OSHA Z-1
		TWA	750 ppm 1,800 mg/m3	OSHA P0
		STEL	1,000 ppm 2,400 mg/m3	OSHA P0
Methyl ethyl ketone	78-93-3	TWA	200 ppm	ACGIH
		STEL	300 ppm	ACGIH
		TWA	200 ppm 590 mg/m3	NIOSH REL
		ST	300 ppm 885 mg/m3	NIOSH REL
		TWA	200 ppm 590 mg/m3	OSHA Z-1
		TWA	200 ppm 590 mg/m3	OSHA P0
		STEL	300 ppm 885 mg/m3	OSHA P0
Propane	74-98-6	TWA	1,000 ppm 1,800 mg/m3	NIOSH REL
		TWA	1,000 ppm 1,800 mg/m3	OSHA Z-1
		TWA	1,000 ppm 1,800 mg/m3	OSHA P0
Butane	106-97-8	TWA	800 ppm 1,900 mg/m3	NIOSH REL
		TWA	800 ppm 1,900 mg/m3	OSHA P0
		STEL	1,000 ppm	ACGIH
Isopropanol	67-63-0	TWA	200 ppm	ACGIH
		STEL	400 ppm	ACGIH
		TWA	400 ppm 980 mg/m3	NIOSH REL
		ST	500 ppm 1,225 mg/m3	NIOSH REL
		TWA	400 ppm 980 mg/m3	OSHA Z-1
		TWA	400 ppm 980 mg/m3	OSHA P0
		STEL	500 ppm 1,225 mg/m3	OSHA P0
Lubricating Agents (Graphite CAS 7782-42-5; Molybdenum Disulfide CAS 1317-33-5)	Not Assigned	TWA (total dust)	15 mg/m3 (Molybdenum)	OSHA Z-1
		TWA (Inhal- able particu- late matter)	10 mg/m3 (Molybdenum)	ACGIH
		TWA (Res- pirable par-	3 mg/m3 (Molybdenum)	ACGIH

SAFETY DATA SHEET



CYCLO® DRY MOLY

Version
2.3Revision Date:
04/10/2024SDS Number:
600000001236Date of last issue: 04/09/2024
Date of first issue: 09/26/2017

		ticulate matter)		
		TWA (Total dust)	10 mg/m3 (Molybdenum)	OSHA P0
		TWA (Respirable)	2.5 mg/m3	NIOSH REL
		TWA (Dust)	15 Million particles per cubic foot	OSHA Z-3
		TWA (total dust)	15 mg/m3	OSHA Z-1
		TWA (respirable fraction)	5 mg/m3	OSHA Z-1
		TWA (Total dust)	10 mg/m3	OSHA P0
		TWA (respirable dust fraction)	5 mg/m3	OSHA P0
		TWA (Respirable particulate matter)	2 mg/m3	ACGIH
		TWA (respirable dust fraction)	2.5 mg/m3	OSHA P0

Biological occupational exposure limits

Components	CAS-No.	Control parameters	Biological specimen	Sampling time	Permissible concentration	Basis
Acetone	67-64-1	Acetone	Urine	End of shift (As soon as possible after exposure ceases)	25 mg/l	ACGIH BEI
Methyl ethyl ketone	78-93-3	methyl ethyl ketone	Urine	End of shift (As soon as possible after exposure ceases)	2 mg/l	ACGIH BEI
Isopropanol	67-63-0	Acetone	Urine	End of shift at end of work-week	40 mg/l	ACGIH BEI

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.

SAFETY DATA SHEET



CYCLO® DRY MOLY

Version
2.3

Revision Date:
04/10/2024

SDS Number:
600000001236

Date of last issue: 04/09/2024
Date of first issue: 09/26/2017

Personal protective equipment



Respiratory protection : In the case of vapour formation use a respirator with an approved filter.
In the case of dust or aerosol formation use respirator with an approved filter.



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



Hygiene measures

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

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance : aerosol

Colour : not determined

Odour : not determined

Odour Threshold : No data available

pH : No data available

Melting point/freezing point : No data available

Boiling point/boiling range : not determined

Flash point : -104.45 °C
Method: closed cup
Value for Component

Evaporation rate : No data available

Flammability (solid, gas) : No data available

Self-ignition : not determined

Upper explosion limit / Upper flammability limit : not determined

SAFETY DATA SHEET



CYCLO® DRY MOLY

Version	Revision Date:	SDS Number:	Date of last issue: 04/09/2024
2.3	04/10/2024	600000001236	Date of first issue: 09/26/2017

Lower explosion limit / Lower flammability limit	:	not determined
Vapour pressure	:	No data available
Relative vapour density	:	No data available
Density	:	0.78 g/cm3
Solubility(ies)		
Water solubility	:	not determined
Partition coefficient: n-octanol/water	:	No data available
Viscosity		
Viscosity, dynamic	:	No data available
Viscosity, kinematic	:	No data available
Molecular weight	:	No data available
VOC % By Weight	:	57 %

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:

Acute oral toxicity	:	Acute toxicity estimate: > 5,000 mg/kg Method: Calculation method
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SAFETY DATA SHEET



CYCLO® DRY MOLY

Version	Revision Date:	SDS Number:	Date of last issue: 04/09/2024
2.3	04/10/2024	600000001236	Date of first issue: 09/26/2017

Acute dermal toxicity : Acute toxicity estimate: > 5,000 mg/kg
Method: Calculation method

Components:

Acetone:

Acute oral toxicity : LD50 (Rat, female): 5,800 mg/kg

Acute inhalation toxicity : LC50 (Rat, female): 76 mg/l
Exposure time: 4 h
Test atmosphere: vapour

Acute dermal toxicity : LD50 (Rabbit): > 7,426 mg/kg

Methyl ethyl ketone:

Acute oral toxicity : LD50 (Rat): 3,460 mg/kg

Acute inhalation toxicity : LC50 (Rat): 23,500 mg/m³
Exposure time: 8 h
Test atmosphere: vapour

Acute dermal toxicity : LD50 (Rabbit): > 5 g/kg

Butane:

Acute oral toxicity : LD50 (Rat): > 5 g/kg

Acute dermal toxicity : LD50 (Rabbit): > 3.16 g/kg

Isopropanol:

Acute oral toxicity : LD50 (Rat): 5.84 g/kg

Acute inhalation toxicity : LC50 (Rat): 16000 ppm
Exposure time: 4 h
Test atmosphere: vapour

Acute dermal toxicity : LD50 (Rabbit): 12,800 mg/kg

Skin corrosion/irritation

Not classified based on available information.

Product:

Remarks: May cause skin irritation in susceptible persons.

Components:

Acetone:

Result: Possibly irritating to skin

Result: Repeated exposure may cause skin dryness or cracking.

Methyl ethyl ketone:

CYCLO® DRY MOLYVersion
2.3Revision Date:
04/10/2024SDS Number:
600000001236Date of last issue: 04/09/2024
Date of first issue: 09/26/2017

Result: No skin irritation

Butane:

Result: Possibly irritating to skin

Isopropanol:

Result: Possibly 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:**Acetone:**

Result: Irritating to eyes.

Assessment: Irritating to eyes.

Methyl ethyl ketone:

Result: Irritating to eyes.

Butane:

Result: Possibly irritating to eyes

Isopropanol:

Result: Irritating to eyes.

Respiratory or skin sensitisation**Skin sensitisation**

Not classified based on available information.

Respiratory sensitisation

Not classified based on available information.

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.

IARC

No component of this product present at levels greater than or

SAFETY DATA SHEET



CYCLO® DRY MOLY

Version
2.3

Revision Date:
04/10/2024

SDS Number:
600000001236

Date of last issue: 04/09/2024
Date of first issue: 09/26/2017

equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC.

OSHA

No component of this product present at levels greater than or equal to 0.1% is on OSHA's list of regulated carcinogens.

NTP

No component of this product present at levels greater than or equal to 0.1% is identified as a known or anticipated carcinogen by NTP.

Reproductive toxicity

Not classified based on available information.

STOT –single exposure

May cause drowsiness or dizziness.

Components:

Acetone:

Exposure routes: Inhalation

Target Organs: Nervous system

Assessment: May cause drowsiness or dizziness.

Methyl ethyl ketone:

Assessment: May cause drowsiness or dizziness.

Isopropanol:

Assessment: May cause drowsiness or dizziness.

STOT –repeated exposure

Not classified based on available information.

Aspiration toxicity

Not classified based on available information.

Components:

Acetone:

May be harmful if swallowed and enters airways.

Methyl ethyl ketone:

May be harmful if swallowed and enters airways.

Further information

Product:

Remarks: Symptoms of overexposure may be headache, dizziness, tiredness, nausea and vomiting.

SAFETY DATA SHEET



CYCLO® DRY MOLY

Version	Revision Date:	SDS Number:	Date of last issue: 04/09/2024
2.3	04/10/2024	600000001236	Date of first issue: 09/26/2017

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

49 CFR

UN/ID/NA number	: UN 1950
Proper shipping name	: Aerosols

SAFETY DATA SHEET



CYCLO® DRY MOLY

Version 2.3 Revision Date: 04/10/2024 SDS Number: 600000001236 Date of last issue: 04/09/2024
Date of first issue: 09/26/2017

Class : 2.1
Packing group : Not assigned by regulation
Labels : 2.1
ERG Code : 126
Marine pollutant : no



SECTION 15. REGULATORY INFORMATION

EPCRA –Emergency Planning and Community Right-to-KnowAct

CERCLA Reportable Quantity

Components	CAS-No.	Component RQ (lbs)	Calculated product RQ (lbs)
Acetone	67-64-1	100	100 (F003)
Methyl ethyl ketone	78-93-3	5000	5000 (D035)
Methyl ethyl ketone	78-93-3	100	100 (F005)
Acetone	67-64-1	5000	*

*: Calculated RQ exceeds reasonably attainable upper limit.

SARA 304Extremely Hazardous Substances Reportable Quantity

This material does not contain any components with a section 304 EHS RQ.

SARA 302Extremely Hazardous Substances Threshold Planning Quantity

This material does not contain any components with a section 302 EHS TPQ.

SARA 311/312Hazards : Flammable (gases, aerosols, liquids, or solids)
Serious eye damage or eye irritation
Specific target organ toxicity (single or repeated exposure)

SARA 313 : This material does not contain any chemical components with known CAS numbers that exceed the threshold (De Minimis) reporting levels established by SARA Title III, Section 313.

California Prop. 65

This product does not contain any chemicals known to State of California to cause cancer, birth defects, or any other reproductive harm.

SAFETY DATA SHEET



CYCLO® DRY MOLY

Version
2.3

Revision Date:
04/10/2024

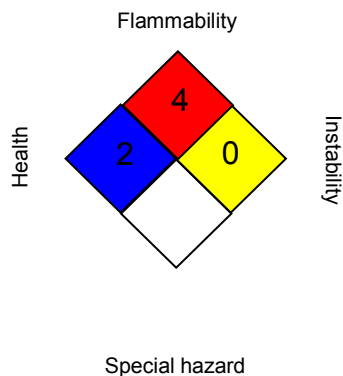
SDS Number:
600000001236

Date of last issue: 04/09/2024
Date of first issue: 09/26/2017

SECTION 16. OTHER INFORMATION

Further information

NFPA:



Revision Date : 04/10/2028

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.

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