

SAFETY DATA SHEET



CYCLO® ENGINE CLEAN

Version 2.1 Revision Date: 03/29/2023 SDS Number: 600000001227 Date of last issue: 06/17/2019
Date of first issue: 08/24/2017

SECTION 1. IDENTIFICATION

Product name : CYCLO ENGINE CLEAN 12/16OZ
Product code : C30

Manufacturer or supplier's details

Company name of supplier : Niteo Products, LLC
Address : Dallas TX 75225
Email Address : EHS@niteoproducts.com
Telephone : 1-844-696-4836
Emergency telephone number : 1-800-424-9300 / 1-703-741-5970

Recommended use of the chemical and restrictions on use

Recommended use : CLEANER
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)

Serious eye damage : Category 1
Skin sensitisation : Category 1
Aspiration hazard : Category 1

GHS label elements

Hazard pictograms :

Signal word : Danger

Hazard statements : May be fatal if swallowed and enters airways.
May cause an allergic skin reaction.
Causes serious eye damage.

Precautionary statements : **Prevention:**
Avoid breathing dust/ fume/ gas/ mist/ vapours/ spray.
Contaminated work clothing should not be allowed out of the

SAFETY DATA SHEET



CYCLO® ENGINE CLEAN

Version 2.1 Revision Date: 03/29/2023 SDS Number: 600000001227 Date of last issue: 06/17/2019
Date of first issue: 08/24/2017

workplace.
Wear protective gloves/ eye protection/ face protection.

Response:

IF SWALLOWED: Immediately call a POISON CENTER/ doctor.
IF ON SKIN: Wash with plenty of soap and water.
IF IN EYES: Rinse cautiously with water for several minutes.
Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a POISON CENTER/ doctor.
Do NOT induce vomiting.
If skin irritation or rash occurs: Get medical advice/ attention.
Wash contaminated clothing before reuse.

Storage:

Store locked up.

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

Distillates (petroleum), hydrotreated light	64742-47-8	>= 90 - < 100
Alcohols, C9-11, ethoxylated	68439-46-3	>= 3 - < 5
D-Limonene	5989-27-5	>= 1 - < 5
Carbon dioxide	124-38-9	>= 1 - < 5

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

Distillates (petroleum), hydrotreated light	64742-47-8	>= 90 - < 100
Alcohols, C9-11, ethoxylated	68439-46-3	>= 3 - < 5
D-Limonene	5989-27-5	>= 1 - < 5
Carbon dioxide	124-38-9	>= 1 - < 5

SECTION 4. FIRST AID MEASURES

- General advice : Move out of dangerous area.
Consult a physician.
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 : 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 med-

SAFETY DATA SHEET



CYCLO® ENGINE CLEAN

Version 2.1 Revision Date: 03/29/2023 SDS Number: 600000001227 Date of last issue: 06/17/2019
Date of first issue: 08/24/2017

- ical 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 : In the case of contact with eyes, rinse immediately with plenty of water and seek medical advice.
Continue rinsing eyes during transport to hospital.
Remove contact lenses.
Protect unharmed eye.
Keep eye wide open while rinsing.
- 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 : May be fatal if swallowed and enters airways.
May cause an allergic skin reaction.
Causes serious eye damage.
-

SECTION 5. FIREFIGHTING MEASURES

- Suitable extinguishing media : Water spray
Carbon dioxide (CO₂)
Dry chemical
Alcohol-resistant foam
- Unsuitable extinguishing media : High volume water jet
- Specific hazards during fire-fighting : Do not allow run-off from fire fighting to enter drains or water courses.
- 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.
Fire residues and contaminated fire extinguishing water must be disposed of in accordance with local regulations.
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, protective equipment and emergency procedures : Use personal protective equipment.
Remove all sources of ignition.
Ensure adequate ventilation.
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CYCLO® ENGINE CLEAN

Version	Revision Date:	SDS Number:	Date of last issue: 06/17/2019
2.1	03/29/2023	600000001227	Date of first issue: 08/24/2017

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.
 Persons susceptible to skin sensitisation problems or asthma, allergies, chronic or recurrent respiratory disease should not be employed in any process in which this mixture is being used.
 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 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 red-hot objects.
 Keep container tightly closed in a dry and well-ventilated place.
 Containers which are opened must be carefully resealed and kept upright to prevent leakage.
 Observe label precautions.
 No smoking.

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

SAFETY DATA SHEET



CYCLO® ENGINE CLEAN

Version 2.1 Revision Date: 03/29/2023 SDS Number: 600000001227 Date of last issue: 06/17/2019
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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), hydrotreated light	64742-47-8	TWA (Mist)	5 mg/m ³	OSHA Z-1
		TWA	200 mg/m ³ (total hydrocarbon vapor)	ACGIH
		TWA (Mist)	5 mg/m ³	OSHA P0
		TWA (Mist)	5 mg/m ³	NIOSH REL
		ST (Mist)	10 mg/m ³	NIOSH REL
D-Limonene	5989-27-5	TWA	30 ppm	US WEEL
Carbon dioxide	124-38-9	TWA	5,000 ppm	ACGIH
		STEL	30,000 ppm	ACGIH
		TWA	5,000 ppm 9,000 mg/m ³	NIOSH REL
		ST	30,000 ppm 54,000 mg/m ³	NIOSH REL
		TWA	5,000 ppm 9,000 mg/m ³	OSHA Z-1
		TWA	10,000 ppm 18,000 mg/m ³	OSHA P0
		STEL	30,000 ppm 54,000 mg/m ³	OSHA P0

Hazardous components without workplace control parameters

Components	CAS-No.
Alcohols, C9-11, ethoxylated	68439-46-3

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. Discard gloves that show tears, pinholes, or signs of wear.

Eye protection : Wear chemical splash goggles and face shield when there is potential for exposure of the eyes or face 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 DATA SHEET



CYCLO® ENGINE CLEAN

Version 2.1 Revision Date: 03/29/2023 SDS Number: 600000001227 Date of last issue: 06/17/2019
Date of first issue: 08/24/2017

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 : No data available

Odour : hydrocarbon-like

Odour Threshold : No data available

pH : No data available

Melting point/freezing point : No data available

Boiling point/boiling range : No data available

Flash point : Not classified as a flammability hazard

Evaporation rate : No data available

Flammability (solid, gas) : Not classified as a flammability hazard

Self-ignition : No data available

Upper explosion limit / Upper flammability limit : No data available

Lower explosion limit / Lower flammability limit : No data available

Vapour pressure : No data available

Relative vapour density : No data available

Density : No data available

Solubility(ies)
Water solubility : insoluble

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

Decomposition temperature : No data available

Viscosity
Viscosity, dynamic : No data available
Viscosity, kinematic : No data available

SAFETY DATA SHEET



CYCLO® ENGINE CLEAN

Version 2.1 Revision Date: 03/29/2023 SDS Number: 600000001227 Date of last issue: 06/17/2019
Date of first issue: 08/24/2017

Molecular weight : No data available
VOC % By Weight : 3 %

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.
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

Components:

Alcohols, C9-11, ethoxylated:

Acute oral toxicity : LD50 (Rat): 500 - 2,000 mg/kg
Acute dermal toxicity : LD50 (Rabbit): > 5 g/kg

D-Limonene:

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

Alcohols, C9-11, ethoxylated:

Acute oral toxicity : LD50 (Rat): 500 - 2,000 mg/kg
Acute dermal toxicity : LD50 (Rabbit): > 5 g/kg

D-Limonene:

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

SAFETY DATA SHEET



CYCLO® ENGINE CLEAN

Version	Revision Date:	SDS Number:	Date of last issue: 06/17/2019
2.1	03/29/2023	600000001227	Date of first issue: 08/24/2017

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

Skin corrosion/irritation

Not classified based on available information.

Product:

Remarks: May irritate skin.

Components:

Distillates (petroleum), hydrotreated light:

Result: Repeated exposure may cause skin dryness or cracking.

Alcohols, C9-11, ethoxylated:

Result: Mild skin irritation

D-Limonene:

Result: Irritating to skin.

Carbon dioxide:

Assessment: No skin irritation

Result: No skin irritation

Distillates (petroleum), hydrotreated light:

Result: Repeated exposure may cause skin dryness or cracking.

Alcohols, C9-11, ethoxylated:

Result: Mild skin irritation

D-Limonene:

Result: Irritating to skin.

Carbon dioxide:

Assessment: No skin irritation

Result: No skin irritation

Serious eye damage/eye irritation

Causes serious eye damage.

Product:

Remarks: May cause irreversible eye damage.

Components:

Distillates (petroleum), hydrotreated light:

Result: Irritating to eyes.

SAFETY DATA SHEET



CYCLO® ENGINE CLEAN

Version	Revision Date:	SDS Number:	Date of last issue: 06/17/2019
2.1	03/29/2023	600000001227	Date of first issue: 08/24/2017

Alcohols, C9-11, ethoxylated:

Result: Irreversible effects on the eye

D-Limonene:

Species: Rabbit
Result: Mild eye irritation
Method: OECD Test Guideline 405

Carbon dioxide:

Result: No eye irritation

Distillates (petroleum), hydrotreated light:

Result: Irritating to eyes.

Alcohols, C9-11, ethoxylated:

Result: Irreversible effects on the eye

D-Limonene:

Species: Rabbit
Result: Mild eye irritation
Method: OECD Test Guideline 405

Carbon dioxide:

Result: No eye irritation

Respiratory or skin sensitisation

Skin sensitisation

May cause an allergic skin reaction.

Respiratory sensitisation

Not classified based on available information.

Product:

Remarks: May cause allergic skin reaction.

Components:

D-Limonene:

Species: Mouse
Assessment: The product is a skin sensitiser, sub-category 1B.
Method: OECD Test Guideline 429

D-Limonene:

Species: Mouse
Assessment: The product is a skin sensitiser, sub-category 1B.
Method: OECD Test Guideline 429

SAFETY DATA SHEET



CYCLO® ENGINE CLEAN

Version 2.1 Revision Date: 03/29/2023 SDS Number: 600000001227 Date of last issue: 06/17/2019
Date of first issue: 08/24/2017

Germ cell mutagenicity

Not classified based on available information.

Components:

D-Limonene:

Genotoxicity in vitro : Test Type: Ames test
Test system: Salmonella typhimurium
Metabolic activation: with and without metabolic activation
Method: Mutagenicity (Salmonella typhimurium - reverse mutation assay)
Result: negative

Genotoxicity in vivo : Test Type: comet assay
Species: Rat
Result: negative

D-Limonene:

Genotoxicity in vitro : Test Type: Ames test
Test system: Salmonella typhimurium
Metabolic activation: with and without metabolic activation
Method: Mutagenicity (Salmonella typhimurium - reverse mutation assay)
Result: negative

Genotoxicity in vivo : Test Type: comet assay
Species: Rat
Result: negative

Carcinogenicity

Not classified based on available information.

IARC No component of this product present at levels greater than or 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

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.

SAFETY DATA SHEET



CYCLO® ENGINE CLEAN

Version 2.1 Revision Date: 03/29/2023 SDS Number: 600000001227 Date of last issue: 06/17/2019
Date of first issue: 08/24/2017

Components:

Distillates (petroleum), hydrotreated light:

May be fatal if swallowed and enters airways.

D-Limonene:

May be fatal if swallowed and enters airways.

Distillates (petroleum), hydrotreated light:

May be fatal if swallowed and enters airways.

D-Limonene:

May be fatal if swallowed and enters airways.

Further information

Product:

Remarks: No data available

SECTION 12. ECOLOGICAL INFORMATION

Toxicity

Additional ecological information : An environmental hazard cannot be excluded in the event of unprofessional handling or disposal.
Toxic to aquatic life with long lasting effects.

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, non-flammable
Class : 2.2

SAFETY DATA SHEET



CYCLO® ENGINE CLEAN

Version 2.1 Revision Date: 03/29/2023 SDS Number: 600000001227 Date of last issue: 06/17/2019
Date of first issue: 08/24/2017

Packing group : Not assigned by regulation
Labels : 2.2
Packing instruction (cargo aircraft) : 203
Packing instruction (passenger aircraft) : 203

IMDG-Code

UN number : UN 1950
Proper shipping name : AEROSOLS
Class : 2.2
Packing group : Not assigned by regulation
Labels : 2.2
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

Class : 2.2
Packing group : Not assigned by regulation
Labels : 2.2
ERG Code : 126
Marine pollutant : no

SECTION 15. REGULATORY INFORMATION

EPCRA - Emergency Planning and Community Right-to-Know Act

CERCLA Reportable Quantity

This material does not contain any components with a CERCLA RQ.

SARA 304 Extremely Hazardous Substances Reportable Quantity

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

SARA 302 Extremely Hazardous Substances Threshold Planning Quantity

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

SARA 311/312 Hazards : Serious eye damage or eye irritation
Respiratory or skin sensitisation
Aspiration hazard

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® ENGINE CLEAN

Version
2.1

Revision Date:
03/29/2023

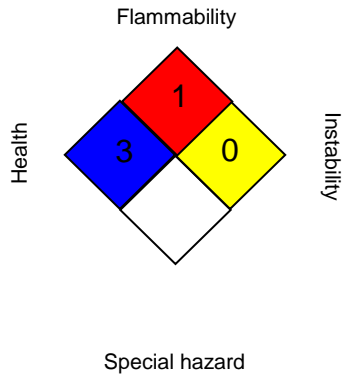
SDS Number:
600000001227

Date of last issue: 06/17/2019
Date of first issue: 08/24/2017

SECTION 16. OTHER INFORMATION

Further information

NFPA:



Revision Date : 03/29/2023

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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