

SAFETY DATA SHEET



CYCLO® FOAMING GLASS CLEAN®

Version	Revision Date:	SDS Number:	Date of last issue: -
2.0	11/07/2018	600000001235	Date of first issue: 09/12/2014

SECTION 1. IDENTIFICATION

Product name : CYCLO FOAMING GLASS CLEAN 12/19 FOZ

Product code : C331

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 : GLASS CLEANER

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

SECTION 2. HAZARDS IDENTIFICATION

GHS classification in accordance with 29 CFR 1910.1200

Not a hazardous substance or mixture.

GHS label elements

Not a hazardous substance or mixture.

Other hazards

None known.

SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

Substance / Mixture : Mixture

Hazardous components

Chemical name	CAS-No.	Concentration (% w/w)
Isopropanol	67-63-0	$\geq 1 - < 5$
Butane	106-97-8	$\geq 1 - < 5$
Ethylene glycol monobutyl ether	111-76-2	$\geq 1 - < 5$
Propane	74-98-6	$\geq 1 - < 5$

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

SAFETY DATA SHEET



CYCLO® FOAMING GLASS CLEAN®

Version	Revision Date:	SDS Number:	Date of last issue: -
2.0	11/07/2018	600000001235	Date of first issue: 09/12/2014

SECTION 4. FIRST AID MEASURES

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|---|---|
| General advice | : No hazards which require special first aid measures. |
| 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 | : Flush eyes with water as a precaution.
Remove contact lenses.
Protect unharmed eye.
Keep eye wide open while rinsing. |
| If swallowed | : 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. |

SECTION 5. FIREFIGHTING MEASURES

- | | |
|---|---|
| Suitable extinguishing media | : Water spray |
| 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. |
| Special protective equipment for firefighters | : In the event of fire, wear self-contained breathing apparatus. |

SECTION 6. ACCIDENTAL RELEASE MEASURES

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|---|---|
| Personal precautions, protective equipment and emergency measures | : Use personal protective equipment.
Avoid breathing dust. |
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SAFETY DATA SHEET



CYCLO® FOAMING GLASS CLEAN®

Version 2.0 Revision Date: 11/07/2018 SDS Number: 600000001235 Date of last issue: -
Date of first issue: 09/12/2014

agency procedures 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.

SECTION 7. HANDLING AND STORAGE

Advice on protection against fire and explosion : Normal measures for preventive fire protection.

Advice on safe handling : Avoid contact with skin and eyes.
Dispose of rinse water in accordance with local and national regulations.
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.
Observe label precautions.

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
Isopropanol	67-63-0	TWA	200 ppm	ACGIH
		STEL	400 ppm	ACGIH
		TWA	400 ppm 980 mg/m ³	NIOSH REL
		ST	500 ppm 1,225 mg/m ³	NIOSH REL
		TWA	400 ppm 980 mg/m ³	OSHA Z-1
		TWA	400 ppm 980 mg/m ³	OSHA P0
		STEL	500 ppm 1,225 mg/m ³	OSHA P0
Butane	106-97-8	TWA	800 ppm 1,900 mg/m ³	NIOSH REL
		TWA	800 ppm 1,900 mg/m ³	OSHA P0
		STEL	1,000 ppm	ACGIH
Ethylene glycol monobutyl ether	111-76-2	TWA	20 ppm	ACGIH

SAFETY DATA SHEET



CYCLO® FOAMING GLASS CLEAN®

Version 2.0 Revision Date: 11/07/2018 SDS Number: 600000001235 Date of last issue: -
Date of first issue: 09/12/2014

		TWA	5 ppm 24 mg/m ³	NIOSH REL
		TWA	50 ppm 240 mg/m ³	OSHA Z-1
		TWA	25 ppm 120 mg/m ³	OSHA P0
Propane	74-98-6	TWA	1,000 ppm 1,800 mg/m ³	NIOSH REL
		TWA	1,000 ppm 1,800 mg/m ³	OSHA Z-1
		TWA	1,000 ppm 1,800 mg/m ³	OSHA P0

Biological occupational exposure limits

Components	CAS-No.	Control parameters	Biological specimen	Sampling time	Permissible concentration	Basis
Isopropanol	67-63-0	Acetone	Urine	End of shift at end of work-week	40 mg/l	ACGIH BEI
Ethylene glycol mono-butyl ether	111-76-2	Butoxyacetic acid (BAA)	Urine	End of shift (As soon as possible after exposure ceases)	200 mg/g Creatinine	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.

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 : Not required under normal conditions of use. Wear splash-proof safety goggles if material could be misted or splashed into eyes.

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
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.

SAFETY DATA SHEET



CYCLO® FOAMING GLASS CLEAN®

Version	Revision Date:	SDS Number:	Date of last issue: -
2.0	11/07/2018	600000001235	Date of first issue: 09/12/2014

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance	: aerosol
Colour	: not determined
Odour	: No data available
Odour Threshold	: No data available
pH	: No data available
Melting point/range	: No data available
Boiling point/boiling range	: -42.22 - 168.89 °C
Flash point	: Not classified as a flammability hazard
Evaporation rate	: not determined
Flammability (solid, gas)	: not determined
Self-ignition	: not determined
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	: not determined
Density	: 1 g/cm3
Solubility(ies)	
Water solubility	: soluble
Partition coefficient: n-octanol/water	: No data available
Decomposition temperature	: not determined
Viscosity	
Viscosity, dynamic	: not determined
Viscosity, kinematic	: No data available
Molecular weight	: No data available
VOC % By Weight	: 9.76 %

SECTION 10. STABILITY AND REACTIVITY

CYCLO® FOAMING GLASS CLEAN®

Version	Revision Date:	SDS Number:	Date of last issue: -
2.0	11/07/2018	600000001235	Date of first issue: 09/12/2014

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. Hazardous polymerisation does not occur.
Conditions to avoid	:	No data available
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
Acute inhalation toxicity	:	Acute toxicity estimate: 78.95 mg/l Exposure time: 4 h Test atmosphere: dust/mist Method: Calculation method
Acute dermal toxicity	:	Acute toxicity estimate: > 5,000 mg/kg Method: Calculation method

Components:**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

Butane:

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

Ethylene glycol monobutyl ether:

Acute oral toxicity	:	LD50 (Guinea pig): 1,200 mg/kg
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SAFETY DATA SHEET



CYCLO® FOAMING GLASS CLEAN®

Version	Revision Date:	SDS Number:	Date of last issue: -
2.0	11/07/2018	600000001235	Date of first issue: 09/12/2014

Acute inhalation toxicity : LC50 (Guinea pig): > 633 ppm
Exposure time: 1 h
Test atmosphere: dust/mist
Assessment: The component/mixture is moderately toxic after short term inhalation.

Acute dermal toxicity : LD50 (Guinea pig): > 2,000 mg/kg
Assessment: The component/mixture is moderately toxic after single contact with skin.

Skin corrosion/irritation

Not classified based on available information.

Product:

Remarks: May irritate skin.

Components:

Isopropanol:

Result: Possibly irritating to skin

Butane:

Result: Possibly irritating to skin

Ethylene glycol monobutyl ether:

Result: Irritating to skin.

Serious eye damage/eye irritation

Not classified based on available information.

Product:

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

Components:

Isopropanol:

Result: Irritating to eyes.

Butane:

Result: Possibly irritating to eyes

Ethylene glycol monobutyl ether:

Result: Irritating to eyes.

Assessment: Irritating to eyes.

Respiratory or skin sensitisation

Skin sensitisation

Not classified based on available information.

CYCLO® FOAMING GLASS CLEAN®

Version	Revision Date:	SDS Number:	Date of last issue: -
2.0	11/07/2018	600000001235	Date of first issue: 09/12/2014

Respiratory sensitisation

Not classified based on available information.

Germ cell mutagenicity

Not classified based on available information.

Components:**Ethylene glycol monobutyl ether:**

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

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 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.

Components:**Isopropanol:**

Assessment: May cause drowsiness or dizziness.

STOT - repeated exposure

Not classified based on available information.

Aspiration toxicity

Not classified based on available information.

Further information**Product:**

Remarks: No data available

SAFETY DATA SHEET



CYCLO® FOAMING GLASS CLEAN®

Version	Revision Date:	SDS Number:	Date of last issue: -
2.0	11/07/2018	600000001235	Date of first issue: 09/12/2014

SECTION 12. ECOLOGICAL INFORMATION

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 |
| 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 |

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Version	Revision Date:	SDS Number:	Date of last issue: -
2.0	11/07/2018	600000001235	Date of first issue: 09/12/2014

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 : No SARA Hazards

SARA 313 : The following components are subject to reporting levels established by SARA Title III, Section 313:

Ethylene glycol mono-butyl ether	111-76-2	$\geq 1 - < 5 \%$
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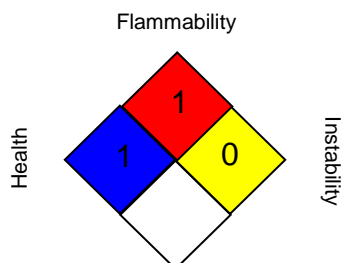
California Prop. 65

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

SECTION 16. OTHER INFORMATION

Further information

NFPA:



Special hazard.

Revision Date : 11/07/2018

SAFETY DATA SHEET



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