



CYCLONE CLEAN® HIGH LEVEL DISINFECTANT CLEANER

Section 1. Identification

Product Name: CYCONE CLEAN® High Level Disinfectant Cleaner

Product Use: Industrial cleaner

Effective Date: 1 February 2024

Replaces: 11 January 2022

Supplier Information:

Cyclone Technology, LLC

2424 S. 21st St.

Phoenix, AZ, 85034

Website: www.cycloneclean.com Phone: 800-342-9695

USA Emergency Phone Number:

INFOTRAC (24-hr/7 days): 1-800-535-5053

Refer to Contract # ID# 115552

Manufacturer: Aerogreen Solutions LLC 1285 Brucetown Rd. Clear Brook, VA 22624

Section 2. Hazard(s) Identification

Emergency Overview: Green liquid. Prolonged contact causes skin irritations and eye irritations. Ingestion or inhalation may be harmful. May cause skin irritation.

GHS Classification:

Skin Corrosion/Irritation

Category 2

Serious eye damage/Eye irritation

Category 2A

POTENTIAL HEALTH EFFECTS:

CODE OF HAZARD STATEMENTS:

Physical Hazards

None.

Health Hazards

H315- Causes skin irritation.

H319- Causes serious eye irritation.

H335- May cause respiratory irritation.

CODE OF PRECAUTIONARY STATEMENTS:

General

P101- Keep out of reach of children.

P103- Read label before use.

Prevention Statements

P260- Do not breathe vapor.

P264- Wash hands thoroughly after handling.

P271- Use only outdoors or in a well-ventilated area.

P272- Contaminated work clothing must not be allowed out of the workplace.

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P303+P353+P361- If on skin (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower.

P304+P340- If inhaled: Remove person to fresh air and keep comfortable for breathing

P305+P351+P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P308+P313- If exposed or concerned: Get medical advice/attention

P310- Immediately call a POISON CENTER

P332+P313- If skin irritation occurs: Get medical advice/attention.

P313+P333- If skin irritation or rash occurs: Get medical advice/attention.

P362- Take off contaminated clothing and wash before reuse.

P370+P378- In case of fire: Use water spray, foam, carbon dioxide, dry chemical to extinguish

P233+P403- Store in a well-ventilated place. Keep container tightly closed.

P235+P403 - Keep in a cool place.

P405 - Store locked up.

Response Statements

P201- Obtain special instructions before use.

P202- Do not handle until all safety precautions have been read and understood.

P280- Wear protective gloves/protective clothing/eye protection/face protection.

P210- Keep away from heat, open flames, sparks.

Storage

P235- P403- Keep cool and store in a well-ventilated place.

P405-Store locked up.

Disposal

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

ROUTES OF ENTRY: Eye contact, skin adsorption, ingestion, and inhalation.

CARCINOGENICITY: Not listed in Prop. 65, IARC, OSHA or NTP.

Section 3. Composition/Information on Ingredients

Ingredients	CAS No.	EINECS #.	%
Organic alcohol	Prop.	Prop.	>11
Inorganic sulphonate	Prop.	Prop.	> 4
Organic alcohol 2	Prop.	Prop.	>3
Organic alcohol 3	Prop.	Prop.	>1
Inorganic metasilicate	Prop.	Prop.	>1
Inorganic phosphate	Prop.	Prop.	>1
Organic amine	Prop.	Prop.	>1
Natural terpene	Prop.	Prop.	<1
Inorganic acid	Prop.	Prop.	<1
Water	7732-18-5	231-791-2	Balance

Section 4. First-Aid Measures

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General Advice: In the case of an accident or if you feel unwell, seek medical advice immediately. When symptoms persist or in all cases of doubt, seek medical advice.

Eye Contact: Flush eyes with water immediately while holding eyelids open. Remove contacts, if worn, after initial flushing and continue flushing for at least 15-minutes. Seek medical attention if irritation persists.

Skin Contact: Use soap and water to remove from the skin, remove contaminated clothing, clean thoroughly before reuse. If irritation persists, contact a physician.

Inhalation: Move to fresh air. If not breathing, give rescue breathing. If breathing is difficult, give oxygen. Seek medical attention if breathing is still difficult.

Ingestion: If swallowed, get medical attention immediately. **DO NOT INDUCE VOMITING.** Never give anything by mouth to an unconscious person.

Note to Physician: Treat symptomatically and supportively.

Section 5. Fire Fighting Measures

Flash Point: Not flammable

Fire Fighting Media: Use water spray, alcohol-resistant foam, dry chemical, or carbon dioxide.

Special Fire Fighting Procedures: In case of fire cool endangered containers with water. Hazardous fumes in fires, specific to the product are ammonia, alcohols, amines, nitrogen, and silicon oxides. First responders need to wear full-bunker gear with Self Contained Breathing Apparatus (SCBA) and never enter a confined space unless fully protected with proper personal protective equipment (PPE).

Section 6. Accidental Release Measures

Use personal protective equipment, see section 8.

Clean-Up Procedures: Stop the source of the release if you are not put at risk. Do not allow into open waterways or ground water.

Spills and Leaks: Dispose in accordance with local, state, or Federal regulations.

Section 7. Handling and Storage

Handling: Provide good ventilation. Wear personal protective equipment, see section 8. Wash thoroughly after handling. Keep out of reach of children and pets.

Storage: Store in original labeled container. Keep in cool and dry areas.

Section 8. Exposure Controls/Personal Protection

OSHA PEL TWA EXPOSURE:

Organic alcohol	240 mg/m ³
Organic alcohol	5mg/L

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Inorganic metasilicate 2 mg/m³

Introductory Remarks: Use local exhaust ventilation or other engineering controls to minimize airborne exposure. A safety shower and eye wash should be readily available.

Personal Protection:

Eyes: Wear safety goggles or face shield to prevent eye contact.

Body: Long sleeve shirts, long pants, socks, and rubber boots.

Hands: Antistatic Nitrile rubber gloves with 0.14 inches (0.35 mm) of thickness and break through time of > 480 minutes.

Respiratory: Wear an approved respirator that provides protection from this product if the airborne concentrations exceed the recommended exposure limits.

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Section 9. Physical and Chemical Properties

Physical State, Color, Odor	Blue liquid with a slight odor.	Specific Gravity (Water=1)	>1 @ 68°F (20°C)
pH	>11	Boiling Point	212°F (98°C)
-Freezing Point	32°F (0°C)	Solubility In Water	100%

Section 10. Stability and Reactivity

Chemical Stability: Considered stable under normal ambient temperatures.

Hazardous Decomposition: If complete combustion, on contact with water oxides of carbon, nitrogen, phosphorus, and silicon are formed.

Hazardous Polymerization: Will not occur.

Incompatibility- Materials to Avoid: Oxidizing agents.

Section 11. Toxicological Information

Oral LD₅₀ = >5 g/kg.

Dermal LD₅₀ = >5 g/kg.

Skin irritation: Causes skin irritation.

Eye irritation: Causes eye irritation.

Acute Skin Irritation: May cause allergic skin reaction.

Acute Inhalation Toxicity: Expected to be an irritant to the respiratory system.

Carcinogenic Effects: Not listed in listed in Prop. 65, IARC, OSHA or NTP.

Section 12. Ecological Information

This is to aquatic organisms with long lasting effects.

Environmental Fate: This product is readily biodegradable.

Section 13. Disposal Considerations

Waste Disposal Method: Whatever cannot be saved for recovery or recycling should be managed by the local, state or Federal Regulations

Container Handling and Disposal: All containers should be triple rinsed and disposed of according to local, state, and Federal regulations.

Section 14. Transport Information

Shipping Name: Cyclone Clean® High Level Disinfectant Cleaner

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Proper Shipping Description (Ground):

Not Regulated.

IATA: (Cargo aircraft only)

Not Regulated.

IMO (Water):

Nor Regulated

Section 15. Regulatory Information

EPCRA 311/312 Categories: Immediate (Acute) Health Effects: Yes
 Delayed (Chronic) Health Effects: No
 Fire Hazard: No
 Sudden Release of Pressure: No
 Reactivity: No

Right to Know Classification: All ingredients are listed in the states of MA, NJ and PA.

TSCA: All ingredients are listed on TSCA active inventory list except Inorganic phosphate.

Prop. 65: Not listed.

Ingredients are listed as chemical inventories of Australia, Canada, China, EU, Japan, Korea, Ministry of International Trade and Industry, Netherlands, Philippines, Switzerland, Taiwan, United Kingdom and United States of America.

Abbreviations:

CAS #	Chemical Abstract Service Number		
°C	Celsius Temperature Scale	°F	Fahrenheit Temperature Scale
EINECS #	European Inventory of Existing Chemical Substances Number		
HPa	Hectopascal	LD ₅₀	Lethal Dose Oral or Dermal
LC ₅₀	Lethal Concentration	LEL	Lower Explosive Limit
UEL	Upper Explosive Limit	PEL	Permissible Exposure Limit
PPE	Personal Protective Equipment	Prop.	Proprietary
Psi	Pounds Per Square Inch	NA	Not Applicable
ND	Not Determined	STEL	Short Term Exposure Limit
TLV	Threshold Limit Value	TSCA	Toxic Substance Control Act
TWA	Time Weighted Average		

Section 16. Other Information		
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Hazardous Material Information System

National Fire Protection Association

HMIS		NFPA	
1	Health	1	Health

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0	Fire	0	Fire
0	Reactivity	0	Instability
	Personal Protection		NA

Health	4 Deadly	3 Extreme Danger	2 Dangerous	1 Slight hazard	0 No hazard
Fire	4 < 73 °C	3 < 100 °C	2 < 200 °C	1 >200 °C	0 Will not burn
Reactivity/ Instability	4 – May detonate	3 Explosive	2 Unstable	1 Normally stable	0 Stable

Reasons for revision: Make compliant under current regulations.

Prepared by: Dennis E. Belau

Reviewed by: Cyclone Technology, LLC.

This Safety Data Sheet (SDS) meets the requirements of the Federal OSHA Hazard Communication Standard (29 CFR 1910.1200) this product has been classified according to the hazard criteria of the Controlled Products Regulations (CPR) and the SDS contains all information required by CPR.

This information relates to the specific material designated and may not be valid for such material used in combination with any other materials or in any process. Such information is to the best of our knowledge and belief accurate and reliable as of the date compiled. However, no representation, warranty, or guarantee, expressed or implied, is made as to its accuracy, reliability, or completeness.

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This is not intended to include all regulations. It is the responsibility of the user to know and comply with all applicable rules, regulations and laws related to the product being used.

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The use of “Qualitative Determinations of Organosilanes” is subject to many variables which can be environmentally, or human caused which may allow the reading of results to be inaccurate.

The user of this information takes full responsibility in how these tests are performed and the seller in no way expressed, written or implied is responsible for the interpretation of the results. All use of these tests is the full responsibility of the user.

WARRANTY

The information above in the Safety Data Sheet is believed to be accurate and represents the best information currently available to Cyclone Technology, LLC, and its supplier.

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