



Issue Date January 8, 2024

Version 4

1. PRODUCT AND COMPANY IDENTIFICATION

Product Name: Cyclone Clean Heavy Duty Degreaser

Other Means of Identification SDS # 4160

Recommended Use of the Chemical and Restrictions on Use

Recommended Use

Hard Surfaces, Asphalt and Concrete. Engines, Equipment and Fleet vehicles

Details of the Supplier of the Safety Data Sheet

Supplier Address

Cyclone Technology LLC
2424 21st St.
Phoenix, AZ 85034

Emergency Telephone Number

Company Phone Number	1-800-335-9695
Emergency Telephone	1-800-335-9695
Web Address	www.cycloneclean.com

2. HAZARDS IDENTIFICATION

Emergency Overview: This is a green colored liquid with a slight characteristic odor.

Potential Health Effects

Eye Contact:	Mildly irritating.
Skin Contact:	No adverse effects expected under typical use conditions. Prolonged exposure may cause dryness. Chemically sensitive individuals may experience mild irritation.
Ingestion:	May cause stomach or intestinal irritation if swallowed.
Inhalation:	No adverse effects expected under typical use conditions. Adequate ventilation should be present for prolonged usage in small enclosed areas.

3. COMPOSITION/INFORMATION ON INGREDIENTS

No hazardous ingredients.

Composition comments the manufacturer lists no ingredients as hazardous according to OSHA 29 CFR 1910.1200. Composition Data Sheets (CDS) are available upon request identifying all ingredients.

*** As outlined in "The Hazard Communication Standard (HCS) (29 CFR 1910.1200(g)), revised in 2012," states that the chemical name and concentration (i.e. exact percentage) of all ingredients which are ***classified as health hazards*** and are: Present above their cut-off/concentration limits or Present a health risk below the cut-off/concentration limits are to be listed .

4. FIRST AID MEASURES

First Aid Measures

Inhalation	If adverse effect occurs, move to fresh air
Eye Contact	Flush with plenty of water. After 5minutes of flushing, remove contact lenses, if present. Continue flushing for at least 10 more minutes. If irritation persists seek medical attention.
Ingestion	Drink plenty of water to dilute.
Skin Contact	If adverse effect occurs, rinse skin with water.

Indication of any Immediate Medical Attention and Special Treatment Needed

Note to Physicians This is relatively innocuous substance not expected to cause harm. Should treatment ever be required, it would be directed at control of symptoms.

5. FIRE-FIGHTING MEASURES

This formula is stable, non-flammable, and will not burn. No special procedures necessary

Flammability:	Non-flammable
Flash Point:	Non-flammable
Suitable Extinguishing Media:	Use Dry chemical, CO2, water spray or "alcohol" foam.
Extinguishing Media to Avoid:	High volume jet water.
Special Exposure Hazards:	In event of fire created carbon oxides, oxides of phosphorus may be formed.
Special Protective Equipment:	Wear positive pressure self-contained breathing apparatus; Wear full protective clothing.

Specific Hazards Arising from the Chemical

None known. Cool containers exposed to flames with water until well after the fire is out.

Protective Equipment and Precautions for Firefighters

As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.

6. ACCIDENTAL RELEASE MEASURES

Personal Precautions, Protective Equipment and Emergency Procedures

Personal Precautions	See Section # 8. Personal Protection: Use personal protective equipment as required.
Environmental Precautions	Do not allow into open waterways or ground water systems.
Methods Cleaning Up	Dilute with water and rinse into sanitary sewer system or soak up with inert absorbent material.

7. HANDLING AND STORAGE

Precautions for Safe Handling

Storage Conditions	Keep containers tightly closed in a dry, cool and well-ventilated place. Keep out of the reach of children.
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8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Exposure Guidelines	OSHA PEL	ACGIH TLV
	No reportable ingredients	

Appropriate Engineering Controls

Engineering Controls	Provide natural or mechanical ventilation to control exposure levels below airborne exposure limits. Showers. Eyewash stations.
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Individual Protection Measures, such as Personal Protective Equipment



Eye/Face Protection

Wear approved safety goggles if splashing or spray back is likely.



Skin and Body Protection

Butyl rubber or other impervious gloves should be used for prolonged exposure or for dermal sensitive individuals are required.

Respiratory

Use in well ventilated area. If occupational exposure limits are exceeded, use NIOSH approved respirator with organic vapor cartridges and dust/mist pre-filter.

General Hygiene Considerations Handle in accordance with good industrial hygiene and safety practice.

9. PHYSICAL AND CHEMICAL PROPERTIES

Information on Basic Physical and Chemical Properties

Physical State	Liquid
Appearance	Green Liquid
Color	Green
Odor	Slight Characteristic Odor
Odor Threshold	Not Determined
Boiling Point	F: 212 C: 100
Evaporation Rate	
Basis (Butyl Acetate-1)	<1
Solubility in Water	100%
Freezing Point	F: <32 C: <0
Percent Solid By Weight	Not Established
pH of Concentrate	11.8-12.4
pH of Diluted 1:3 with water	10.9-11.9
Vapor Pressure (mmHg)	
20@14.2 mmHg	F:77
Vapor Density (Air=1)	0.62
Specific Gravity (H2O=1)	1.01
VOC SCAQMD Method 313.91	
In Concentrate	30 gm/l
Diluted 2:1 with water	10 gm/l
VOC Content by Weight	0.2536662132 at 30 gm/l
Diluted 2:1 with water	0.083454044518 at 10 gm/l
Conductivity	0.0005 to 0.05
Weight Per Gallon	8.45 lbs/per gallon

10. STABILITY AND REACTIVITY

Reactivity

Not reactive under normal conditions

Chemical Stability

Stable under recommended storage conditions.

Possibility of Hazardous Reactions

None under normal processing.

Conditions to Avoid

None under normal conditions

Incompatible Materials

None Known

Hazardous Decomposition Products

Normal products of combustion-Co, Co2.

11. TOXICOLOGICAL INFORMATION

Effects of Exposure: Not expected to be hazardous under typical use conditions

Acute Toxicity:	Oral LD ₅₀ (rat)	>5 g/kg body weight
	Dermal LD ₅₀ (rabbit)	>5 g/kg body weight

Eye Contact Avoid contact with eyes. Minimal irritant per Ocular Irritation @assay modeling.
Skin Contact No animal testing performed.
 May cause dryness and irritation. Non-irritant per dermal irritation@ assay modeling.
 No animal testing performed.

Carcinogens: No ingredients are listed by OSHA, IARC, or NTP as known or suspected carcinogens

12. ECOLOGICAL INFORMATION

Aquatic Toxicity: Low, based on OECD 201, 202, 203 + Microtox: EC₅₀ & IC₅₀ > 100 Mg/L
Terrestrial Toxicity: Low, based on toxicology profile
Persistence and degradability: Readily Biodegradable per 49 CFR 796.3100Aerobic Aquatic Biodegradation
Mobility: No Data Available.
Bioaccumulation: Not Applicable

This product is not expected to produce significant ecotoxicity upon exposure to aquatic organisms and aquatic systems.

13. DISPOSAL CONSIDERATIONS

Waste Treatment Methods

Disposal of Wastes Disposal should be in accordance with applicable regional, national and local laws and regulations.
Contaminated Packaging Disposal should be in accordance with applicable regional, national and local laws and regulations.
Unused Product: * Dilute with water and dispose by sanitary sewer.
 *Used product may be hazardous depending on the cleaning application and resulting Contaminants.
Empty Containers: * Triple-rinse with water and offer for recycling if available in your area.

* *Dispose of used or unused product, and empty containers in accordance with the local, State, Provincial, and Federal Regulations for your location. Never dispose of used degreasing water, containing low concentrations of contaminants, resulting from the cleaning of containers etc. into lakes, streams, and open bodies of water or storm drains.

14. TRANSPORT INFORMATION

Note Please see current shipping paper for most up to date shipping information, including exemptions and special circumstances

U.S. (DOT)/ Canadian TDG:	Not Regulated for shipping.
IMO/IMDG:	Not classified as Hazardous
ICAO/IATA:	Not classified as Hazardous
ADR/RID:	Not classified as Hazardous
U.N.Number:	Not applicable
Proper Shipping Name:	Detergent/Cleaning Solution
Shipping Class	70
Hazard Class:	Non-Hazardous
Marine Pollutant	

15. REGULATORY INFORMATION

All components are listed on: EINECS, TSCA, DSL, AICS and NZIoC Inventory.

SARA Title III:

Sections 311/313 –Not applicable.

Sections 313 –Not applicable.

Sections 302 –Not applicable.

State Right to Know Lists: No ingredients listed.

CA Prop 65: None listed

WHMIS Classification: Non Hazardous, not classifiable

Name	Toxic Substance List- Schedule 1 CEPA	NPRI Inventory
NO	No	NO

State regulations This product does not contain a chemical known to the State of California to cause cancer, birth defects or other reproductive harm.

This product has been classified according to the hazard criteria of the CPR and the MSDS contains all the information required by Canada's Controlled Products Regulation.

16. OTHER INFORMATION



NFPA/HMIS Rating:

Health, Fire, Reactivity, and Special = 0 =minimal

Part Number	Size	Warranty1 (one) Year Shelf Life
229-AGHD001-01	1- Gallon Bucket	Batch Code: Containers of this formula will be batch coded as follows: Lot # 111213 where "1" Number of Batch Produced
229-AGHD005-01	5-Gallon Bucket	"11" Month Batch is Produced
229-AGHD055-01	55-Gallon Drum	"21" Day in the Month Batch is produced
229-AGHD275-01	275-Gallon Tote	"3" is the last digit of the year product produced

Prepared/Revised by: Cyclone Technology, LLC
This SDS has been revised in the following sections: ALL

Disclaimer

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 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.

End of Safety Data Sheet