



MATERIAL SAFETY DATA SHEET

MSDS Green Heavy Duty Industrial Cleaner

Additives Inc.
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MSDS No: 3140
Ver. No: 3
Ver. Date: 3/31/04

EMERGENCY NUMBERS:
PERS 800-633-8253
CUSTOMER SERVICE:
303-292-0595

SECTION 1 – CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Product/Chemical Name: MSDS Green
Product Description: General Purpose, Heavy-Duty Cleaner/Degreaser.
Chemical Name: Mixture
Chemical Family: Moderately alkaline aqueous solution.
Chemical Formula: Mixture
CAS Registry: Mixture
Other Designations: None
General Use: Heavy duty industrial cleaning.
Manufacturer: Additives Inc., 5915 N. Broadway, Denver, CO 80216, Phone (303) 292-0595, FAX (303) 292-0429 (Hours of operation: Mon-Fri 8:00am-5:00pm MST), Emergency Number: PERS 800-633-8253 Customer Service: 303-292-0595

SECTION 2 – COMPOSITION / INFORMATION ON INGREDIENTS

MSDS Green contains no hazardous ingredients. The following is given for information only.

<u>INGREDIENT</u>	<u>CAS No</u>	<u>% WT</u>	<u>OSHA PEL</u>
Ethoxylated Octyl Phenol, 10 mole	9063-89-2	1-5%	None established
d-limonene	5989-27-5	<1%	None established
Proprietary Non-Hazardous Ingredients And Water	Not applicable	Balance	Not applicable

SECTION 3 – HAZARDOUS IDENTIFICATION

Health: 1
Flammability: 0
Reactivity: 0
Special: 0
0 = minimal 1= slight 2=moderate 3= serious 4= severe

HMIS
H # 1
F # 0
R # 0
PPE† C
<small>†Sec. 8</small>

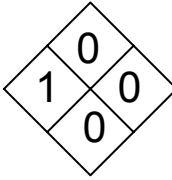
Route(s) of Entry
Inhalation: May cause minor irritation of respiratory system.
Skin: May cause minor skin irritation with some individuals susceptible to sensitization.
Ingestion: May cause some discomfort and diarrhea.
Eyes: May cause minor irritation of eyes in some individuals.
Target Organs: None known

Effects of overexposure:	Acute: Minor irritant to eyes. Chronic: None known.
Signs and Symptoms of Exposure:	Redness and/or stinging sensation in eyes or on skin. Minor eye or skin irritation may occur with some people.
Medical Conditions Generally Aggravated by Long-Term Exposure:	None expected.
Chronic Effects:	None known
Carcinogenicity	
NTP:	None known
IARC Monographs:	None known
OSHA Regulations:	None known
ACGIH	None known

SECTION 4 – FIRST AID MEASURES

Emergency and First Aid Procedures:	Eye contact:	If product contacts eyes, flush immediately with water for several minutes.
	Skin contact:	If product contacts skin, rinse with water for several minutes within a reasonable period of time after contact occurs.
	Ingestion:	If product is ingested, drink several glasses of water. Do not induce vomiting. Consult a physician.
	Inhalation:	If product is inhaled, remove to fresh air. Obtain medical attention.
Note to Physicians:	Treat symptomatically	
Special Precautions/Procedures:	None known	

SECTION 5 – FIRE-FIGHTING MEASURES

Unusual Fire Fighting procedures:	None required	NFPA 
Flash Point:	None detected	
Flash Point Method:	Pensky Martens	
Burning Rate:	Does not burn	
Autoignition Temperature:	Not available	
Flammable limits in air (% by volume):	Not applicable	
LEL:	Not applicable	
UEL:	Not applicable	
Flammability Classification:	Not flammable	
Extinguishing Media:	Compatible with all media	
Unusual Fire or Explosion Hazards:	None known	
Fire-Fighting Instructions;	Do not release runoff from fire control methods to sewers or waterways.	
Fire-Fighting Equipment:	Because fire may produce toxic thermal decomposition products, wear a self-contained breathing apparatus (SCBA) with a full facepiece operated in pressure-demand or positive-pressure mode.	
Unusual Fire Fighting procedures:	Not required	

SECTION 6 – ACCIDENTAL RELEASE MEASURES

Spill/Leak Procedures:	Recover usable material by convenient method; residual may be removed by wipe or wet mop. If necessary, unrecoverable material may be washed to drain with large quantities of water.
Small Spills:	Small spills should be absorbed with a suitable inert material (sand, earth, clay, etc.). Remove the absorbed material and place in an appropriate chemical waste container for disposal.
Large Spills:	Large spills should be diked and pumped.
Containment:	For large spills, dike far ahead of liquid spill for later disposal.
Regulatory Requirements:	Follow applicable OSHA regulations (29 CFR 1910.120).

SECTION 7 – HANDLING AND STORAGE

Handling Precautions	Wear impermeable gloves and other protective clothing to avoid prolonged or repeated skin contact. When handling, wear eye protection.
Storage Requirements:	May be stored in steel, HDPE or stainless steel tanks. Store at temperatures above 30°F and below 150°F.

SECTION 8 – EXPOSURE CONTROLS/PERSONAL PROTECTION

Engineering Controls	
Ventilation:	Provide general or local exhaust ventilation systems.
Administrative Controls	
Respiratory Protection:	Respiratory protection generally is not required. However, if the product is used at elevated temperatures sufficient to generate vapors/mist, use a NIOSH approved organic vapor and gas respirator with mist filter.
Protective Clothing/Equipment:	Wear chemically protective gloves, boots, aprons, and gauntlets to prevent prolonged or repeated skin contact. Wear protective eyeglasses or chemical safety goggles.
Work and Hygienic Practices:	No special requirements. Wash or rinse hands before touching eyes or contact lenses, and before eating.
Safety Stations:	Make emergency eyewash stations, safety/quick-drench showers, and washing facilities available in work area.
Contaminated Equipment:	Separate contaminated work clothes from street clothes. Launder before reuse. Remove this material from your shoes and clean personal protective equipment.
Comments:	Never eat, drink, or smoke in work areas. Practice good personal hygiene after using this material, especially before eating, drinking, smoking, using the toilet, or applying cosmetics.

SECTION 9 – PHYSICAL AND CHEMICAL PROPERTIES

Appearance and odor:	Clear, liquid with a light citrus odor.
Boiling Point (760 mm Hg):	220°F \pm 2°.
Freezing/Melting Point:	28°F
Specific Gravity (water =1):	1.01-1.03
Vapor Density (air =1):	<1
Percent Volatile by Volume:	NIL
Evaporation Rate (butyl acetate =1):	<1
Solubility in Water (% by wt):	100%
Vapor Pressure (at 20°C):	20mm Hg.
pH:	11-12.4

SECTION 10 – STABILITY AND REACTIVITY

Stability:	Stable
Polymerization:	Hazardous polymerization cannot occur.
Chemical Incompatibilities:	None
Conditions to Avoid:	Avoid contact with strong acids and strong oxidizers
Hazardous decomposition products:	This product does not burn, but if involved in a fire small quantities of carbon and nitrogen oxides can be generated in extreme conditions.

SECTION 11 – TOXICOLOGICAL INFORMATION

Eye Effects:	Irritating to eyes
Skin Effects:	Can be irritating to skin upon prolonged contact
Acute Inhalation Effects:	Significant vapors are only generated at elevated temperatures; may irritate nose and respiratory system.
Acute Oral Effects:	Can cause irritation to mouth, throat and stomach
Chronic Effects:	None known
Carcinogenicity:	Neither product nor its ingredients are listed by IARC, NTD or OSHA
Mutagenicity:	Not mutagenic
Teratogenicity:	Not Teratogenic

SECTION 12 – ECOLOGICAL INFORMATION

Ecotoxicity:	Not determined
Environmental Fate:	Decomposes to carbon, oxygen, nitrogen and water.
Environmental Degradation:	Biodegradable
Soil Absorption/Mobility:	Not determined

SECTION 13 – DISPOSAL CONSIDERATIONS

Waste disposal method:	Sanitary landfill or incinerate in approved facilities in accordance with local, state and federal regulations.
Disposal Regulatory Requirements:	This product, if unused, does not meet the RCRA criteria for being identified as a hazardous waste by characteristics.
Container Cleaning and Disposal:	Containers should be cleaned of residual product before disposal, and disposed of in accordance with all applicable laws and regulations.

SECTION 14 – TRANSPORT INFORMATION

DOT Shipping Name:	Not regulated
Shipping Symbols:	Not applicable
Hazard Class:	Not applicable
DOT Identification No.:	55
Packing Group:	Not applicable
Label:	Not applicable
Special Provisions (172.102):	Not applicable
Packaging Authorizations	
a) Exceptions:	Not applicable
b) Non-bulk Packaging:	Not applicable
c) Bulk Packaging:	Not applicable
Quantity Limitations	
a) Passenger, Aircraft, or Railcar:	Not applicable
b) Cargo Aircraft Only:	Not applicable
Vessel Stowage Requirements	
a) Vessel Stowage:	Not applicable
b) Other:	Not applicable

SECTION 15 – REGULATORY INFORMATION

EPA Regulations

RCRA Hazardous Waste Number and RCRA
Hazardous Waste Classification:

Unused product is not classified as a hazardous waste by
RCRA criteria

CERCLA Hazardous Substance and CERCLA
Reportable Quantity:

Does not contain any ingredients listed as a CERCLA
hazardous substance.

SARA Toxic Chemical and SARA EHS:

Not subject to reporting under SARA Title III Section 313.

OSHA Regulations:

Not a hazardous chemical as defined by the OSHA Hazard
Communication Standard.

State Regulations:

Not regulated

SECTION 16 – OTHER INFORMATION

Prepared By: Additives, Inc.

Additional Hazard Rating Systems: None

**Disclaimer: THE INFORMATION GIVEN HEREIN IS GIVEN IN GOOD FAITH AND FROM SOURCES WE BELIEVE
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The conditions or methods of handling, storage, use and disposal of this product are beyond our control and may be beyond our knowledge. For this and other reasons, we do not assume responsibility and expressly disclaim liability for loss, damage or expense arising out of or in any way connected with the handling, storage, use or disposal of this product.

This MSDS was prepared and is to be used only for this product. If the product is used as a component in another product, this MSDS information may not apply.

CONSULT ADDITIVES INC. FOR FURTHER INFORMATION.