



MATERIAL SAFETY DATA SHEET

General Purpose Heavy Duty Cleaner/Degreaser

Additives Inc.
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MSDS No: 3600
 Ver. No: 4
 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: General Purpose, Heavy-Duty Cleaner/Degreaser.
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

Locomotive Cleaner 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>
Sodium metasilicate Pentahydrate	10213-79-3	0-3%	None established
Ethoxylated Octyl Phenol, 10 mole	9063-89-2	0-5%	None established
Sodium Gluconate	527-07-1	0-5%	None established in Solution Form
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

H MIS
H # 1
F # 0
R # 0
PPE† C
†Sec. 8

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 severe irritation to mucosa.
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

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

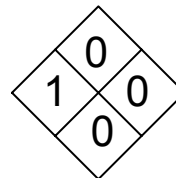
Unusual Fire or Explosion Hazards: None known

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 face piece operated in pressure-demand or positive-pressure mode.

Unusual Fire Fighting procedures: Not required

NFPA



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:	Light yellow to clear liquid with a slightly bitter or mild detergent odor.
Boiling Point (760 mm Hg):	220°F \pm 2°.
Freezing/Melting Point:	28°F
Specific Gravity (water =1):	1.02-1.03
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: (10% solution)	9.0-12.0

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

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

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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.