



# MATERIAL SAFETY DATA SHEET

## Locomotive Cleaner™

**Additives Inc.**  
 5915 N. Broadway  
 Denver, CO 80216  
 Tel: 303-292-0595 Fax: 303-292-0429  
 msds@additivesinc.com  
 MSDS on-line: www.additivesinc.com

MSDS No: 33369  
 Ver. No: 5  
 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:** Locomotive Cleaner  
**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

<b>HMIS</b>
<b>H # 1</b>
<b>F # 0</b>
<b>R # 0</b>
<b>PPE† C</b>
<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 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

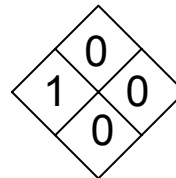
**Unusual Fire or Explosion Hazards:** None known

**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

<b>Spill/Leak Procedures:</b>	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.
<b>Small Spills:</b>	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.
<b>Large Spills:</b>	Large spills should be diked and pumped.
<b>Containment:</b>	For large spills, dike far ahead of liquid spill for later disposal.
<b>Regulatory Requirements:</b>	Follow applicable OSHA regulations (29 CFR 1910.120).

## SECTION 7 – HANDLING AND STORAGE

<b>Handling Precautions</b>	Wear impermeable gloves and other protective clothing to avoid prolonged or repeated skin contact. When handling, wear eye protection.
<b>Storage Requirements:</b>	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

<b>Engineering Controls</b>	
<b>Ventilation:</b>	Provide general or local exhaust ventilation systems.
<b>Administrative Controls</b>	
<b>Respiratory Protection:</b>	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.
<b>Protective Clothing/Equipment:</b>	Wear chemically protective gloves, boots, aprons, and gauntlets to prevent prolonged or repeated skin contact. Wear protective eyeglasses or chemical safety goggles.
<b>Work and Hygienic Practices:</b>	No special requirements. Wash or rinse hands before touching eyes or contact lenses, and before eating.
<b>Safety Stations:</b>	Make emergency eyewash stations, safety/quick-drench showers, and washing facilities available in work area.
<b>Contaminated Equipment:</b>	Separate contaminated work clothes from street clothes. Launder before reuse. Remove this material from your shoes and clean personal protective equipment.
<b>Comments:</b>	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

<b>Appearance and odor:</b>	Purple liquid with a slightly bitter or mild detergent odor.
<b>Boiling Point (760 mm Hg):</b>	220°F <sub>±2°</sub> .
<b>Freezing/Melting Point:</b>	28°F
<b>Specific Gravity (water =1):</b>	1.02-1.03
<b>Vapor Density (air =1):</b>	<1
<b>Percent Volatile by Volume:</b>	NIL
<b>Evaporation Rate (butyl acetate =1):</b>	<1
<b>Solubility in Water (% by wt):</b>	100%
<b>Vapor Pressure (at 20°C):</b>	20mm Hg.
<b>pH: (10% solution)</b>	9.0-12.0

## SECTION 10 – STABILITY AND REACTIVITY

<b>Stability:</b>	Stable
<b>Polymerization:</b>	Hazardous polymerization cannot occur.
<b>Chemical Incompatibilities:</b>	None
<b>Conditions to Avoid:</b>	Avoid contact with strong acids and strong oxidizers
<b>Hazardous decomposition products:</b>	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

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

## SECTION 12 – ECOLOGICAL INFORMATION

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

## SECTION 13 – DISPOSAL CONSIDERATIONS

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

## SECTION 14 – TRANSPORT INFORMATION

<b>DOT Shipping Name:</b>	Not regulated
<b>Shipping Symbols:</b>	Not applicable
<b>Hazard Class:</b>	Not applicable
<b>DOT Identification No.:</b>	55
<b>Packing Group:</b>	Not applicable
<b>Label:</b>	Not applicable
<b>Special Provisions (172.102):</b>	Not applicable
<b>Packaging Authorizations</b>	
a) Exceptions:	Not applicable
b) Non-bulk Packaging:	Not applicable
c) Bulk Packaging:	Not applicable
<b>Quantity Limitations</b>	
a) Passenger, Aircraft, or Railcar:	Not applicable
b) Cargo Aircraft Only:	Not applicable
<b>Vessel Stowage Requirements</b>	
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  
RELIABLE. BUT NO WARRANTY, EXPRESS OR IMPLIED, REGARDING ITS CORRECTNESS IS MADE.**

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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.**