

**Land, Sea & Air
Gold**
62080-2123

Additives Plus
P.O. Box 1119
Evergreen, CO 80437
Tel: 303-916-0639 Fax: 303-679-8988
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MSDS on-line: www.additivesinc.com

MSDS No: 3145
Ver. No: 5
Ver. Date: 03/18/11

24-HOUR EMERGENCY NUMBERS:
PERS 1-800-633-8253
INT'L PERS 1-801-629-0667
CUSTOMER SERVICE:
303-916-0639

National Fire Protection Association

1	Health
0	Flammability
0	Reactivity
	Special

WHMIS: Not Applicable

Protective Equipment:



SECTION 1 – CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Product Name: Land, Sea and Air Gold
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

Manufacturer: Additives Plus, P.O. Box 1119, Evergreen, CO 80437, Phone (303) 916-0639
 FAX (303) 679-8988 (Hours of operation: Mon-Fri 8:00am-5:00pm MST)
 24-hour Emergency Number: PERS 800-633-8253 Customer Service: 303-916-0639

SECTION 2 – COMPOSITION / INFORMATION ON INGREDIENTS

<u>MATERIAL</u>	<u>CAS No</u>	<u>% WT</u>	<u>OSHA PEL</u>
Proprietary Non-Hazardous Ingredients and Water	Not Applicable	Balance	Not applicable
Sodium Metasilicate 5H ₂ O	10213-79-3	0-2	Not established
Ethoxylated Octyl Phenol 10 mole	9063-89-2	1-5	None established
d-Limonene	5989-27-5	<1	None established

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†
†Sec. 8

Route(s) of Entry

Inhalation: Airborne concentrations of mist or spray may cause irritation to the upper respiratory tract and even to lung tissue. Vapor/fumes are not generated at significant levels until temperature is elevated.

Skin: May cause irritation and reddening; rinse skin with water.

Ingestion: Swallowing can cause irritation to the mouth, throat, esophagus and stomach.

Eyes: May cause irritation or reddening.

Target Organs: None known

Effects of overexposure: Contact with the eyes may cause irritation. Ingestion will cause mouth, throat and gastrointestinal irritation. Inhalation of harmful levels of vapors is unlikely due to the relatively low vapor pressure and the relatively low concentrations of ingredients.

Effects of overexposure: Acute: None known.
Chronic: None known.

Medical Conditions Generally Aggravated by Long-Term Exposure:

Chronic Effects: None expected.
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: Flush eyes with large amounts of water for 15 minutes. If irritation persists, get medical attention.

Skin contact: Wash affected area thoroughly with soap and water. Remove contaminated clothing, rings, etc.

Ingestion: May be irritating to mouth throat and stomach. Give several glasses of water to dilute. Do not induce vomiting.

Inhalation: Remove to fresh air. If breathing has stopped, start artificial respiration. Seek medical attention.

Note to Physicians: Treat symptomatically
Special Precautions/Procedures: None known

SECTION 5 – FIRE-FIGHTING MEASURES

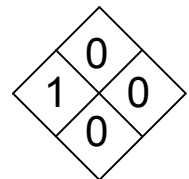
Unusual Fire Fighting procedures: None required; non-flammable product

Flash Point: None detected NFPA

Flash Point Method: Pensky Martens

Burning Rate: Does not burn

Auto ignition Temperature: Not available



Flammable limits in air (% by volume): Not applicable

LEL: Not applicable

UEL: Not applicable

Flammability Classification: Not flammable

Unusual Fire or Explosion Hazards: Closed containers may rupture or explode due to steam pressure build-up when exposed to extreme heat. Water may be used to cool closed containers.

Unusual Fire Fighting procedures: None required.

SECTION 6 – ACCIDENTAL RELEASE MEASURES

Spill/Leak Procedures: Recover usable material by convenient method; residual may be removed by wipe or wet mop

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: For large spills, dike and pump into suitable containers. Clean up residual water.

Containment: For large spills, dike far ahead of liquid spill for later disposal.

Regulatory Requirements: Follow applicable Federal, State and Local regulations.

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: Keep containers tightly closed when not in use.

SECTION 8 – EXPOSURE CONTROLS/PERSONAL PROTECTION

Engineering Controls

Ventilation: Provide general or local exhaust ventilation systems.

Administrative Controls

Respiratory Protection: If personal exposure cannot be controlled below applicable exposure limits by ventilation, wear respiratory devices approved by NIOSH/MSHA, for protection against organic vapors, dust, fumes and mists.

Protective Clothing/Equipment: Where skin contact may occur, chemical-impervious gloves should be worn. Use chemical goggles or full face shield when the danger of splashing exists. Rubber apron or similar protective clothing to prevent contact with skin or clothes.



Work and Hygienic Practices: 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: Avoid contact with skin, eyes and clothing. Do not take internally. Clean up spills immediately. 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: Slightly bitter or mild detergent odor, gold in color.

Boiling Point (760 mm Hg): 220°F⁺/- 2°

Specific Gravity (water =1):	1.00-1.03
Percent Organic Volatiles by Volume:	Nil
Evaporation Rate (butyl acetate =1):	<1
Solubility in Water (% by wt):	100%
Vapor Pressure (at 20°C):	<1
pH:	10.5-12.4

SECTION 10 – STABILITY AND REACTIVITY

Stability:	Stable
Polymerization:	Will not occur.
Chemical Incompatibilities:	None
Conditions to Avoid:	None.
Hazardous decomposition products:	None

SECTION 11 – TOXICOLOGICAL INFORMATION

Eye Effects:	May cause irritation and reddening. Immediately rinse eyes with large quantities of water; continue 10-15% minutes or until the material has been removed; be sure to remove contact lenses, if present and to lift upper and lower lids during rinsing. Get medical attention if irritation persists.
Skin Effects:	May cause irritation; rinse skin with water, rinse shoes and launder clothing before use. Reversible reddening may occur in some dermal-sensitive users, thoroughly rinse area and get medical attention.
Acute Inhalation Effects:	Exposures to concentrate-mist may cause mild irritation of nasal passages or throat; remove to fresh air. Get medical attention if irritation persists.
Acute Oral Effects:	May be irritating to mouth, throat and stomach. May cause gastric tract disorder and/or damage in large quantities. Give several glasses of water to dilute; do not induce vomiting. If stomach upset occurs, consult physician.
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, phosphate salts 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:	Shipments of waste material may be classified as hazardous and subject to manifesting requirements through applicable regulatory agency.
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:	Non-Hazardous
Shipping Symbols:	None
Hazard Class:	None
DOT Identification No.:	None
Packing Group:	None
Label:	Non-Hazardous

DOT Class	55
Packaging Authorizations	
a) Exceptions:	Not applicable
b) Non-bulk Packaging:	Not applicable
c) Bulk Packaging:	Not applicable
Quantity Limitations	
a) Passenger, Aircraft, or Railcar:	One liter
b) Cargo Aircraft Only:	One liter
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:	Not applicable
CERCLA Hazardous Substance and CERCLA Reportable Quantity:	Not applicable
SARA Toxic Chemical and SARA EHS:	Reportable under SARA Title III (40 CFR, Part 370)

OSHA Regulations: Must comply with OSHA standard 29 CFR 1910.1200 (employee right to know)

SECTION 16 – OTHER INFORMATION

Prepared By: Additives Plus
Additional Hazard Rating Systems: None

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CONSULT ADDITIVES PLUS FOR FURTHER INFORMATION.