



Maintenance Solutions

Avalanche

Waterless Citrus Hand Cleaner

For Use In:

- | | | |
|--------------|---------------|----------------|
| Restrooms | Hospitals | Doctor Offices |
| Institutions | Restaurants | Paint Shops |
| Hotels | Nursing Homes | Construction |
| Factories | Locker Rooms | |



DESCRIPTION

Avalanche has the fresh scent of natural citrus with pumice added. This citrus-based formula is pH-balanced, very effective at cleaning tough soils, biodegradable and petroleum solvent free to address environmental concerns. Premium, natural citrus cleansing agents safely and effectively dissolve grease, paints, inks, and many other hard to remove soils. Contains a bacteriostat. Fortified with five conditioners including glycerine, jojoba, aloe vera, vitamin E, and wheat germ extract to help keep hands soft and smooth.

DIRECTIONS

Apply a small portion to hands and rub gently. Rinse with water and dry. If no water is available, wipe clean with cloth or paper towel. DO NOT PUNCTURE CONTAINER. DO NOT REMOVE SEAL. Remove cap, invert and slide container into wall-mounted, back plate. Product will flow from container filling reservoir. Reservoir will hold 1 liter of product. DO NOT LIFT CONTAINER until it is completely empty or reservoir will overflow. Container is empty when product line falls below reservoir indicator. When container is empty, trip release on back mounting plate to remove.

PRODUCT SPECIFICATIONS

Color:	Lime Green	Primary Cleaning Agent:	d-Limonene (no petroleum solvents)
Odor:	Citrus Scent	Flash Point:	145°F
Base:	Synthetic Detergents	Storage/Stability:	2 years
pH:	Neutral	Weight per Gallon:	8.83 lbs./gal.
Abrasives:	Pumice	Freeze / Thaw Stability:	-10° to 100° F
Solubility:	Complete with water		

Industrial Hand Cleaners

SECTION 1-PRODUCT IDENTIFICATION AND SUPPLIER INFORMATION

Manufacturer's Name: Misco Products Corporation	Product Name: Avalanche	Supplier's Name:
Manufacturer's Address: 1048 Stinson Drive Reading, PA 19605	Generic Name: Heavy Duty Citrus Pumicized Hand Cleaner	Supplier's Address:
Manufacturer's Phone #: (610) 926-4106	Chemical Family: Modified solvent/Synthetic Detergent	Supplier's Phone #:
	Formula: Proprietary	

SECTION 2-INGREDIENT INFORMATION

CHEMICAL NAME	CAS NO.	WT. %	PEL	TWA-TLV	STEL-TLV
Water	7732-18-5	to 100			
Dimethyl Oxazolidine	51200-87-4				
Isoparaffin Solvent	64742-48-9		100 ppm	100 ppm	
Nonionic Surfactant	9016-45-9				
Nonionic Surfactant	68551-12-2				
Pumice (as dust)	N/A		15 mg/m ³	10 mg/m ³	
Sodium Hydroxide	1310-73-2		2 mg/m ³		
Perfume Oil	N/A				

SECTION 3-PHYSICAL DATA

Boiling Point (°F): 186°F	Specific Gravity: 1.06
Vapor Pressure: Not Available	Vapor Density (Air=1): Not Available
% Volatile: 80+	pH: N/A
Solubility in Water: Dispersable	Evaporation Rate (Water=1): <1
Physical Description: Thick green lotion with pleasant citrus odor.	

SECTION 4-FIRE AND EXPLOSION HAZARD DATA

Flash Point (Method Used): >145°F (PMCC)
Upper Explosion Limit: N/A
Lower Explosion Limit: N/A
Extinguishing Media: Water, Dry Chemical or Foam
Special Firefighting Procedures: Use standard procedures and practices
Unusual Fire and Explosion Hazards: N/A

SECTION 5-REACTIVITY DATA

Stability: Stable	Hazardous Polymerization: None
Hazards Decomposition Products: Will not occur.	Incompatibility (Materials to Avoid): None

SECTION 6-STORAGE AND HANDLING INFORMATION

Eye Irritant. Avoid contact with eyes and clothing. Keep container closed during storage. Store below 100°F (45°C).

SECTION 7-HEALTH HAZARDS AND FIRST AID

Effects of Overexposure:
Skin: None irritating under normal use conditions
Eyes: Eye irritant. May cause redness or swelling irritation an possibly damage.
Inhalation: N/A
Ingestion: May be irritating to the mouth, throat, and gastrointestinal system. Vomiting and diarrhea expected with large doses.
First Aid Procedures:
Skin: N/A
Eyes: Flush with large quantities of water for 15 minutes, holding eyelids open. Seek medical attention if irritation persists.
Inhalation: N/A
Ingestion: Dilute with 2 glasses of water. Do not induce vomiting. Seek medical attention.

SECTION 8-SPECIAL PROTECTION INFORMATION

Respiratory Protection: No special requirements.
Ventilation Requirements: Provide local exhaust to keep TLV of Section 2 ingredients below acceptable limit.
Protective Gloves: N/A
Eye Protection: N/A
Other Protective Equipment: N/A

SECTION 9-SPILL OR LEAK PROCEDURES

Steps to be taken in Case Material is Released or Spilled: Floors will become slippery. Avoid walking in product. Keep unessential personnel away. Mop up or otherwise absorb and hold disposal. Avoid discharge to sewer or open waterways.
Waste Disposal Method: Any method in accordance with local, state and federal laws. Best method is to recycle or reuse for intended purpose. Do not dispose of into storm drain, stream, river or to ground. Rinse container thoroughly before discarding in trash.

SECTION 10-REGULATORY INFORMATION

SARA Title III - Section 311/312 -Hazard Categories:	Shipping Information:	HMIS Hazardous Materials Identification System
No - Fire Hazard	FOR CONTAINERS > 1 Gallon : Cleaning Compound	Health 1
No - Sudden Release of Pressure Hazard		Flammability 2
No - Reactivity Hazard	FOR 1 GALLON CONTAINERS : Cleaning Compound	Reactivity 0
No - Immediate (acute) Health Hazard		Personal Protection -
No - Delayed (chronic) Health Hazard	FOR CONTAINERS < 1 GALLON : Cleaning Compound	

FOR EMERGENCY MEDICAL OR TRANSPORT INFORMATION: CHEM-TEL, Inc. @ 800-255-3924 (24 hours, 7 days per week)
 This product contains the following toxic chemical(s) subject to the reporting requirements of section 313 of the Emergency Planning and Community Right-To-Know Act of 1986 and of 40 CFR 372.

CAS#	Chemical Name	Percent by Weight
	None	

This product contains the following chemical(s) which have been established to be either a carcinogen or suspected carcinogen.

CAS#	Chemical Name	Percent by Weight
	None	

SECTION 11-OTHER INFORMATION

This company cannot anticipate all conditions of handling and use of this product. Therefore, this company accepts no responsibility for results obtained by the application of this information, or the safety and suitability of our products either alone or in combination with other products. It is the responsibility of the user to provide a safe workplace, using the health and safety information contained herein as a guide. This company will accept no liability for damages or loss incurred from the improper handling and use of this product