



Maintenance Solutions

Orange Spray

Citrus Solvent Spray Cleaner



For Use On:

- | | | |
|---------|------------------|------------|
| Carpet | Machinery | Appliances |
| Sinks | Tools | Dumpsters |
| Toilets | Printing Presses | All Metals |
| Urinals | Concrete | Paneling |
| Laundry | Ceramic Tiles | Fiberglass |

DESCRIPTION

A ready-to-use all natural 100% biodegradable citrus solvent cleaner, degreaser, and deodorant that will safely and easily remove all heavy grease and soil deposits by heavy duty penetration and emulsifying action. Contains no petroleum distillates or butyl cellosolve. Simply spray on and wipe off for fast labor-saving cleaning. Cleans without a choking or burning effect, even in areas with minimum ventilation.

DIRECTIONS

Simply spray over surface to be cleaned. Allow to remain on surface for a few seconds, then wipe off with a clean absorbent cloth, towel or sponge. For heavy soils, agitate surface then rinse clean. Solution may also be applied with a power washer.

***NOTE:** Pretest all plastic surfaces prior to use.

This product meets the maximum content requirements for Volatile Organic Compounds (VOCs) as established by state and Federal regulations.

PRODUCT SPECIFICATIONS

Active Ingredients:	7.5 ± 0.5%	Fumes:	None
Color:	Yellow - Orange	Solubility:	Complete
Odor:	Orange	Emulsification:	Excellent
Base:	100% natural citrus solvent	Detergency:	Excellent
pH:	12.5 - 13.0	Rinsability:	Excellent
Viscosity:	Water thin	Biodegradability:	Complete
Foam:	Moderate	Storage/Stability:	2 years
Abrasives:	None	Weight per Gallon:	8.36 lbs./gal.
Phosphate Content:	None	Freeze / Thaw Stability:	Keep from freezing

Natural Citrus Solvent Cleaners

SECTION 1-PRODUCT IDENTIFICATION AND SUPPLIER INFORMATION

Manufacturer's Name: Misco Products Corporation Manufacturer's Address: 1048 Stinson Drive Reading, PA 19605 Manufacturer's Phone #: (610) 926-4106	Product Name: Orange-Spray Generic Name: Ready To Use Citrus Spray Cleaner Chemical Family: Solvent/Detergent Blend Formula: Proprietary
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SECTION 2-INGREDIENT INFORMATION

CHEMICAL NAME	CAS NO.	WT. %	PEL	TWA-TLV	STEL-TLV
Water	7732-18-5	to 100			
Citrus Terpenes (d-limonene)	5989-27-5	0 to 5			
Coconut Diethanolamide	8051-30-7	0 to 5			
Nonionic Surfactant	9016-45-9	0 to 5			
Potassium Oleate	143-18-0	0 to 5			
Sodium Silicate	1344-09-8	0 to 5			
Dye	N/A	0 to 5			

SECTION 3-PHYSICAL DATA

Boiling Point (°F): 240 F. Initial
Vapor Pressure: 20mm Hg @ 68 F.
% Volatile: 95+
Solubility in Water: 100%
Physical Description: Thin orange liquid with pleasant odor.

Specific Gravity: .98
Vapor Density (Air=1): >1
pH: 12.5 ñ 13.0
Evaporation Rate (Water=1): <1

SECTION 4-FIRE AND EXPLOSION HAZARD DATA

Flash Point (Method Used): N/A
Upper Explosion Limit: N/A
Extinguishing Media: N/A
Special Firefighting Procedures: Non Flammable
Unusual Fire and Explosion Hazards: N/A

Lower Explosion Limit: N/A

SECTION 5-REACTIVITY DATA

Stability: Stable
Hazards Decomposition Products: None known.

Hazardous Polymerization: None
Incompatibility (Materials to Avoid): Strong acids.

SECTION 6-STORAGE AND HANDLING INFORMATION

Keep out of reach of children. For use by trained personnel only. Keep container closed during storage. For institutional and industrial use only. Avoid contact with eyes, skin and clothing. Wear rubber gloves when using. Avoid breathing of mists. Use in well-ventilated area.

SECTION 7-HEALTH HAZARDS AND FIRST AID

Effects of Overexposure:
Skin: Defatting to skin with prolonged or repeated contact.
Eyes: Eye irritant. May cause redness, burning, or tearing.
Inhalation: Vapors and mists may be irritating to mucous membranes in the nose, throat, and lungs.
Ingestion: May be irritating to the mouth, throat, and gastrointestinal system.

SECTION 8-SPECIAL PROTECTION INFORMATION

Respiratory Protection: Use in well-ventilated area.
Ventilation Requirements: Provide local exhaust to keep TLV of Section 2 ingredients below acceptable limit.
Protective Gloves: Chemical resistant rubber or neoprene.
Eye Protection: Safety glasses or chemical splash goggles.
Other Protective Equipment: N/A

First Aid Procedures:

Skin: Flush with water. Seek medical attention if irritation persists.
Eyes: Flush with large quantities of water, holding eyelids open. Seek medical attention if irritation persists.
Inhalation: Get to fresh air. Seek medical attention if irritation persists.
Ingestion: Do not induce vomiting. Drink large quantities of water. Seek medical attention immediately.

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. Consult local authorities for disposal in public sewer. 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:
 No - Fire Hazard
 No - Sudden Release of Pressure Hazard
 No - Reactivity Hazard
 Yes - Immediate (acute) Health Hazard
 No - Delayed (chronic) Health Hazard

Shipping Information:
 FOR CONTAINERS > 1 Gallon : Cleaning Compound
 FOR 1 GALLON CONTAINERS : Cleaning Compound
 FOR CONTAINERS < 1 GALLON : Cleaning Compound

HMIS Hazardous Materials Identification System

Health	1
Flammability	0
Reactivity	0
Personal Protection	B

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