

MATERIAL SAFETY DATA SHEET

Prepared by: Regulatory Affairs Dept.

(Prepared According to 29 CFR 1910.1200)

N/A= Not Applicable
Effective Date: 1/04 Revision: n/a

SECTION 1-PRODUCT IDENTIFICATION AND SUPPLIER INFORMATION

Manufacturer's Name: Misco Products Corporation	Product Name: Citrus Gel Spotter	Supplier's Name:
Manufacturer's Address: 1048 Stinson Drive Reading, PA 19605	Generic Name: Citrus Solvent Spotter Gel	Supplier's Address:
Manufacturer's Phone #: (610) 926-4106	Chemical Family: D-limonene/Detergent Blend	Supplier's Phone #:
	Formula: proprietary	

SECTION 2-INGREDIENT INFORMATION

CHEMICAL NAME	CAS NO.	WT. %	PEL	TWA-TLV	STEL-TLV
Citrus Terpenes (d-Limonene)	5989-27-5	80 to 90			
Nonionic Surfactant	68412-54-1	5 to 10			
Nonionic Surfactant	9016-45-9	5 to 10			

SECTION 3-PHYSICAL DATA

SECTION 4-FIRE AND EXPLOSION HAZARD DATA

Boiling Point (°F): 335 F. Initial	Specific Gravity: 0.860	Flash Point (Method Used): 122 F. (TCC)
Vapor Pressure: 1.2 mm Hg @ 68 F.	Vapor Density (Air=1): >1	Upper Explosion Limit: 6.0
% Volatile: 90+	pH: N/A (solvent based)	Lower Explosion Limit: 1.0
Solubility in Water: Dispersible	Evaporation Rate (Water=1): <1	Extinguishing Media: Foam, CO ₂ , or Dry Chemical
Physical Description: Highly viscous straw colored gel with pleasant odor.		Special Firefighting Procedures: Do Not Use Water.
		Unusual Fire and Explosion Hazards: Drums heated by fire can explode.

SECTION 5-REACTIVITY DATA

Stability: Stable	Hazardous Polymerization: None
Hazards Decomposition Products: Carbon monoxide possible if burned.	Incompatibility (Materials to Avoid): None known.

SECTION 6-STORAGE AND HANDLING INFORMATION

Combustible liquid – Avoid contact with heat, spark or open flame. 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 and protective eyewear when handling concentrate or diluted product. Avoid breathing of vapors. Use in well-ventilated area.

SECTION 7-HEALTH HAZARDS AND FIRST AID

SECTION 8-SPECIAL PROTECTION INFORMATION

Effects of Overexposure:	Respiratory Protection: Use in well-ventilated area.
Skin: Defatting to skin with prolonged or repeated contact. May lead to dryness and irritation.	Ventilation Requirements: Provide local exhaust to keep TLV of Section 2 ingredients below acceptable limit.
Eyes: Eye irritant. May cause redness, burning, or tearing.	Protective Gloves: Chemical resistant rubber or neoprene.
Inhalation: Vapors and mists may be irritating to mucous membranes in the nose, throat, and lungs.	Eye Protection: Safety glasses or chemical splash goggles.
Ingestion: May be irritating to the mouth, throat, and gastrointestinal system.	Other Protective Equipment: Eyewash station nearby.
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: Extinguish all ignition sources and ventilate area well. 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. If discarded, this material and containers should be treated as hazardous waste based on the characteristic of ignitability as defined under federal RCRA regulations (40 CFR 261). 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:	Shipping Information:	HMIS Hazardous Materials
Yes - Fire Hazard	FOR CONTAINERS > 1 Gallon : Cleaning Compound	Identification System
No - Sudden Release of Pressure Hazard	FOR 1 GALLON CONTAINERS : Cleaning Compound	Health
No - Reactivity Hazard	FOR CONTAINERS < 1 GALLON : Cleaning Compound	Flammability
Yes - Immediate (acute) Health Hazard		Reactivity
No - Delayed (chronic) Health Hazard		Personal Protection

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