



Maintenance Solutions

Crystal

All Purpose Spray Cleaner

Floors
Walls
Concrete
Furniture
Porcelain

For Use On:

Chrome
Desks
Tables
Plastic
Vinyl
Refrigerators
Microwave Ovens
Painted Surfaces
Stainless Steel



DESCRIPTION:

A ready to use, fast-acting, heavy-duty cleaner formulated to clean all washable surfaces. The non-abrasive formula penetrates and removes the most stubborn stains and leaves surfaces sparkling clean and fresh.

DIRECTIONS:

1. Simply spray onto soiled surface.
2. Wipe off with a clean absorbent cloth, towel or damp sponge. In cleaning glass surfaces, wipe immediately with a clean cloth, towel or sponge to prevent streaking.

PRODUCT SPECIFICATIONS

Active Ingredients:	5.0 ± 0.5%	Solubility:	Complete with water
Color:	Green	Emulsification:	Excellent
Odor:	Citrus	Detergency:	Excellent
Base:	Biodegradable detergents	Rinsability:	Excellent
pH:	10.5 - 11.5	Flash Point:	None
Viscosity:	Water thin	Biodegradability:	Complete
Foam:	Low	Storage/Stability:	2 years
Abrasives:	None	Weight per Gallon:	8.41 lbs./gal.
Phosphate:	None	Freeze / Thaw Stability:	Keep from freezing



All Surface 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: Crystal Generic Name: All Purpose Spray Cleaner Chemical Family: Detergent/solvent blend Formula: Proprietary	Supplier's Name: Supplier's Address: Supplier's Phone #:
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SECTION 2-INGREDIENT INFORMATION

CHEMICAL NAME	CAS NO.	WT. %	PEL	TWA-TLV	STEL-TLV
Water	7732-18-5	to 100			
Nonionic Surfactant	9016-45-9	0 to 5		Not Hazardous	
Tetrasodium EDTA	64-02-8	0 to 5			
Anionic Surfactant	151-21-3	0 to 5		Not Hazardous	
Amphoteric Surfactant	2605-78-9	0 to 5		Not Hazardous	
Ethanolamine	141-43-5	0 to 5			
Propylene Glycol Butyl Ether	5131-66-8	0 to 5		Not Hazardous	
Fragrance	N/A	0 to 5		Not Hazardous	
Dye	N/A	<0.1		Not Hazardous	

SECTION 3-PHYSICAL DATA

Boiling Point (°F): 212° F.	Specific Gravity: 1.008
Vapor Pressure: 20mm Hg @68°F.	Vapor Density (Air=1): >1
% Volatile: 80+	pH: 11.0 – 12.0
Solubility in Water: Complete	Evaporation Rate (Water=1): >1
Physical Description: Thin green liquid with pleasant odor	

SECTION 4-FIRE AND EXPLOSION HAZARD DATA

Flash Point (Method Used): None	Upper Explosion Limit: N/A	Lower Explosion Limit: N/A
Extinguishing Media: N/A	Special Firefighting Procedures: Non Flammable	
Unusual Fire and Explosion Hazards: N/A		

SECTION 5-REACTIVITY DATA

Stability: Stable	Hazardous Polymerization: None
Hazards Decomposition Products: Alkaline vapors in a fire.	Incompatibility (Materials to Avoid): Strong Acids, oxidizers, Chlorine

SECTION 6-STORAGE AND HANDLING INFORMATION

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

SECTION 7-HEALTH HAZARDS AND FIRST AID

Effects of Overexposure:
Skin: May cause irritation with prolonged or repeated contact (dryness, redness)
Eyes: Eye irritant. May cause conjunctivitis or possible irreversible damage.
Inhalation: Mists may be irritating to mucous membranes in the nose, throat, and lungs.
Ingestion: Irritating to the mouth and throat. May cause headache, nausea, abdominal pain.
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 immediately.
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 8-SPECIAL PROTECTION INFORMATION

Respiratory Protection: NIOSH/MSHA approved organic vapor canister.
Ventilation Requirements: Provide mechanical exhaust when misting of product is present.
Protective Gloves: Rubber or other chemical resistant.
Eye Protection: Safety glasses or chemical splash goggles.
Other Protective Equipment: Eyewash station nearby. Wear protective outer-wear when danger of mist contact may occur. Protective rubber boots should be worn.

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. Ventilate area well. 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:	Shipping Information:
No - Fire Hazard	FOR CONTAINERS > 1 Gallon : Cleaning Compound
No - Sudden Release of Pressure Hazard	
No - Reactivity Hazard	FOR 1 GALLON CONTAINERS : Cleaning Compound
Yes - Immediate (acute) Health Hazard	
No - Delayed (chronic) Health Hazard	FOR CONTAINERS < 1 GALLON : Cleaning Compound

HMIS Hazardous Materials Identification System

Health	2
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