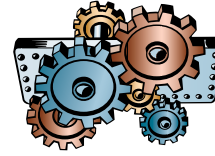


CRYSTAL

All Purpose Spray Cleaner



Scan for product's
Material Safety Data Sheet

FEATURES

- Versatile
- Works quickly
- Ready to use
- Pleasant scent

BENEFITS

- Remove both food and industrial type grease-base soils
- Time and labor savings
- No chemical mixing
- Leaves surfaces smelling clean

AREAS OF USE:

- Factories
- Kitchens
- Warehouses
- Schools
- Garages
- Appliances
- Walls
- Desks
- Tables
- Counters

SPECIFICATIONS:

Color:
Green

Odor:
Citrus

pH (Con.):
11.0 – 12.0

Recommended Dilution:
RTU

Viscosity:
Water thin

Foam:
Low

Solubility:
Complete with water

Emulsification:
Excellent

Rinsability:
Excellent

Flash Point:
None

Biodegradability:
Complete

Storage/Stability:
2 years

Weight Per Gallon:
8.41 lbs./gal.

Freeze/Thaw Stability:
Keep from freezing

DIRECTIONS:

Simply spray on to surface to be cleaned, let solution sit and wipe off with a clean absorbent cloth, towel or sponge. For heavy soils, allow to surface to soak 3 - 4 minutes, then agitate with brush, then rinse clean.

CAUTION

EYE IRRITANT.

Avoid contact with skin, eyes, and clothing. Wear rubber gloves when handling. Do not take internally. Keep out of the reach of children. For professional use only. Read and understand the Material Safety Data Sheet (MSDS) before using this product.

FIRST AID:

EYE CONTACT: Flush with water for at least 15 minutes. If irritation persists, call a physician.

SKIN CONTACT: Wash thoroughly with water. If irritation persists, call a physician.

INGESTION: Immediately drink large quantities of water. Contact a physician.

INHALATION: Move exposed person to fresh air.

CONTAINS

Nonionic Surfactant (9016-45-9), Tetrasodium EDTA (64-02-8), Anionic Surfactant (151-21-5), Amphoteric Surfactant (2605-78-9), Ethanolamine (141-43-5), Propylene Glycol Butyl Ether (5131-66-8), Perfume Oils (N/A), Dye (N/A), Water (7732-18-5).



1048 Stinson Drive, Reading PA 19605
Phone: 1-800-548-4568

www.miscoproducts.com

HEALTH		2
FLAMMABILITY		0
PHYSICAL HAZARD		0
PERSONAL PROTECTION		B

SAFETY DATA SHEET

Date Prepared : 1/13/2015

SDS No : CRY

Crystal

1. PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME: Crystal
GENERAL USE: Ready to use all purpose cleaner
PRODUCT DESCRIPTION: All Purpose Spray Cleaner
PRODUCT CODE: CRY
CHEMICAL FAMILY: Solvent/detergent blend

MANUFACTURER

MISCO Products Corporation
1048 Stinson Drive
Reading, PA 19605

Emergency Phone: 610-926-4106

Customer Service: 800-548-4568

Transportation: 800-548-4568

24 HR. EMERGENCY TELEPHONE NUMBERS

CHEM-TEL (Medical and Transportation): 800-255-3924

POISON CONTROL CENTER (Medical): 800-222-1222

2. HAZARDS IDENTIFICATION

GHS CLASSIFICATIONS

Health:

Skin Irritation, Category 3

Eye Irritation, Category 2B

GHS LABEL

SIGNAL WORD: WARNING

HAZARD STATEMENTS

H320: Causes eye irritation.

H316: Causes mild skin irritation.

H303: May be harmful if swallowed.

PRECAUTIONARY STATEMENT(S)

Prevention:

P264: Wash thoroughly after handling.

P234: Keep only in original container.

Response:

P301+P330+P331: IF SWALLOWED: rinse mouth. Do NOT induce vomiting.

P310: Immediately call a POISON CENTER or doctor/physician.

P305+P351+P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P337+P313: If eye irritation persists: Get medical advice/attention.

P332+P313: If skin irritation occurs: Get medical advice/attention.

P362: Take off contaminated clothing and wash before reuse.

Storage:

P405: Store locked up.

Disposal:

P501: Dispose of contents/container in accordance with local, state and federal regulations.

EMERGENCY OVERVIEW

PHYSICAL APPEARANCE: Green liquid

IMMEDIATE CONCERNS: Moderate eye irritant.

POTENTIAL HEALTH EFFECTS

EYES: Contact causes eye irritation.

SKIN: May be mildly irritating with prolonged or repeated contact.

SKIN ABSORPTION: No known significant effects or critical hazards.

INGESTION: Harmful if swallowed.

REPRODUCTIVE TOXICITY

TERATOGENIC EFFECTS: No known significant effects or critical hazards.

CARCINOGENICITY: No known significant effects or critical hazards.

MUTAGENICITY: No known significant effects or critical hazards.

ROUTES OF ENTRY: Eye, skin, ingestion.

WARNING CAUTION LABELS: Irritant

PHYSICAL HAZARDS: None Expected.

3. COMPOSITION / INFORMATION ON INGREDIENTS

Chemical Name	Wt.%	CAS
Nonylphenol Ethoxylate	0 - 1	9016-45-9
Propylene Glycol n-butyl Ether	0 - 5	5131-66-8
Monoethanolamine	0 - 3	141-43-5
Dye	< 0.1	N/A
Fragrance	< 1	N/A
Water	90 - 95	7732-18-5

4. FIRST AID MEASURES

EYES: Immediately flush eyes with water for at least 15 minutes, while holding eyelids open. Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye. Seek medical attention immediately.

SKIN: Remove contaminated clothing. Immediately flush with water followed by washing with mild soap. Seek medical attention.

INGESTION: Get immediate medical attention. Do not induce vomiting unless instructed to do so by poison center or physician.

INHALATION: Remove victim to fresh air and monitor. Seek medical advise if irritation persists.

SIGNS AND SYMPTOMS OF OVEREXPOSURE

EYES: Burning sensation with tears, redness.

SKIN: Redness and itching sensation.

INGESTION: Irritation of mouth, throat, along with stomach upset, vomiting.

INHALATION: Irritation of nose, throat and lungs with coughing, sneezing, possible difficulty breathing.

ACUTE TOXICITY: Irritating to eyes, mild skin irritation.

5. FIRE FIGHTING MEASURES

FLAMMABLE CLASS: None

EXTINGUISHING MEDIA: Not required.

EXPLOSION HAZARDS: None

HAZARDOUS DECOMPOSITION PRODUCTS: Decomposition products may include: Carbon dioxide, Carbon monoxide, nitrogen oxides.

6. ACCIDENTAL RELEASE MEASURES

SMALL SPILL: Avoid walking in product. Wipe up or otherwise flush small spills to sanitary sewer.

LARGE SPILL: Avoid walking in material. Prevent product from entering into stream, soil, storm sewer or other bodies of water.

ENVIRONMENTAL PRECAUTIONS

WATER SPILL: Avoid discharges into open waterways.

LAND SPILL: Avoid discharge to soil.

AIR SPILL: NA = Not Applicable

GENERAL PROCEDURES: Isolate spill or leak area immediately. Keep unauthorized personnel away. Do not touch or walk through spilled material. Prevent entry into waterways, sewers, or confined areas. Absorb with dry earth, sand or other non-combustible material and transfer to containers.

RELEASE NOTES: Not Established

SPECIAL PROTECTIVE EQUIPMENT: Eye protection, rubber gloves, rubber boots to protect feet.

7. HANDLING AND STORAGE

GENERAL PROCEDURES: Close container after use.

HANDLING: Avoid contact with skin and eyes. Wash hands before eating, drinking, smoking or using toilet facilities.

STORAGE: Store in closed container in an area inaccessible to children.

STORAGE TEMPERATURE: Store at ambient temperatures.

STORAGE PRESSURE: Store at ambient atmospheric pressure.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

EXPOSURE GUIDELINES

OSHA HAZARDOUS COMPONENTS (29 CFR1910.1200)							
		EXPOSURE LIMITS					
		OSHA PEL		ACGIH TLV		Supplier OEL	
Chemical Name		ppm	mg/m ³	ppm	mg/m ³	ppm	mg/m ³
Propylene Glycol n-butyl Ether	TWA					50	
Monoethanolamine	TWA	3	6	3	7.5	NL	NL
	STEL			6	15	NL	NL

PERSONAL PROTECTIVE EQUIPMENT

EYES AND FACE: Safety glasses with side shields.

SKIN: Rubber or other chemical resistant gloves.

RESPIRATORY: Where danger of mist contact may occur, wear NIOSH approved respiratory protection for mists.

WORK HYGIENIC PRACTICES: Wash with soap and water after handling. Do not eat, drink or smoke while using product.

9. PHYSICAL AND CHEMICAL PROPERTIES

PHYSICAL STATE: Liquid

ODOR: Citrus

ODOR THRESHOLD: Not Established

COLOR: Green

pH: 11.0 to 12.0

PERCENT VOLATILE: >98

FLASH POINT AND METHOD: None

FLAMMABLE LIMITS: N/A

AUTOIGNITION TEMPERATURE: NA = Not Applicable

VAPOR PRESSURE: ~ 20 mm Hg at (68°F)

VAPOR DENSITY: ~ 1 Air = 1

BOILING POINT: 212° F; 100° C

FREEZING POINT: 32° F; 0° C

SOLUBILITY IN WATER: Complete

EVAPORATION RATE: (Water =1) 1.0

DENSITY: 8.35 at (20°F)

SPECIFIC GRAVITY: 1.001 grams/ml. at (20°F)

VISCOSITY: Water thin.

(VOC): 2.360 % by weight

10. STABILITY AND REACTIVITY

REACTIVITY: None

HAZARDOUS POLYMERIZATION: Will not occur.

CONDITIONS TO AVOID: Not Established

HAZARDOUS DECOMPOSITION PRODUCTS: None Expected.

INCOMPATIBLE MATERIALS: Strong acids, oxidizers.

11. TOXICOLOGICAL INFORMATION

ACUTE

Chemical Name	ORAL LD ₅₀ (rat)	DERMAL LD ₅₀ (rabbit)	INHALATION LC ₅₀ (rat)
Nonylphenol Ethoxylate	1 6000 mg/kg (rat)	4490 mg/kg (rabbit)	
Propylene Glycol n-butyl Ether	2124 to 2700 mg/kg (rat)	> 2000 mg/kg (rabbit)	
Monoethanolamine	1 089 mg/kg (rat)	2504 mg/kg (rabbit)	~ 1.48 mg/l

EYES: Causes eye irritation.

DERMAL LD₅₀: > 2000 Not Established

ORAL LD₅₀: > 5000 Not Established

INHALATION LC₅₀: Not Established

EYE EFFECTS: Mild to moderate eye irritant.

SKIN EFFECTS: Moderate skin irritant.

CARCINOGENICITY

IARC: No listed substance

CORROSIVITY: NA = Not Applicable

GENETIC EFFECTS: No known significant effects or critical hazards.

REPRODUCTIVE EFFECTS: No known significant effects or critical hazards.

TARGET ORGANS: No known significant effects or critical hazards.

MUTAGENICITY: No known significant effects or critical hazards.

12. ECOLOGICAL INFORMATION

ENVIRONMENTAL DATA: Not Established

ECOTOXICOLOGICAL INFORMATION: This material may be toxic to aquatic life.

AQUATIC TOXICITY (ACUTE): Not Established

CHEMICAL FATE INFORMATION: This product is biodegradable.

13. DISPOSAL CONSIDERATIONS

DISPOSAL METHOD: Although not a hazardous waste, the discarding or disposal of this material should be done at a properly permitted facility in accordance with the regulations 40CFR 262, 263, 264, and 268. Additionally, the discarding or disposal of this material may be further regulated by state, regional, or local regulations.

FOR LARGE SPILLS: Consult with local and state authorities for large volume disposal.

EMPTY CONTAINER: Rinse container with clear water. Offer container for recycling, or dispose of in trash.

14. TRANSPORT INFORMATION

DOT (DEPARTMENT OF TRANSPORTATION)

PROPER SHIPPING NAME: Not regulated.

PLACARDS: None

LABEL: None

U.S. CUSTOMS HARMONIZATION NUMBER: 3402.90.10.00

AIR (ICAO/IATA)

SHIPPING NAME: Not regulated.

VESSEL (IMO/IMDG)

SHIPPING NAME: Not regulated.

15. REGULATORY INFORMATION

UNITED STATES

DOT LABEL SYMBOL AND HAZARD CLASSIFICATION

SARA TITLE III (SUPERFUND AMENDMENTS AND REAUTHORIZATION ACT)

311/312 HAZARD CATEGORIES: Health - Acute

FIRE: No **PRESSURE GENERATING:** No **REACTIVITY:** No **ACUTE:** Yes **CHRONIC:** No

313 REPORTABLE INGREDIENTS: No listed substance

302/304 EMERGENCY PLANNING

EMERGENCY PLAN: No listed substance

TSCA (TOXIC SUBSTANCE CONTROL ACT)

TSCA REGULATORY: All ingredients are listed on the TSCA Chemical Inventory.

STATES WITH SPECIAL REQUIREMENTS

Chemical Name	Requirements
Nonylphenol Ethoxylate	Massachusetts Right to Know Substance New Jersey Right To Know Substance Pennsylvania Right to Know Substance
Monoethanolamine	Massachusetts Right to Know Substance New Jersey Right To Know Substance New York Right to Know Substance Pennsylvania Right to Know Substance

CALIFORNIA PROPOSITION 65: No listed substance

CARCINOGEN: No listed substance

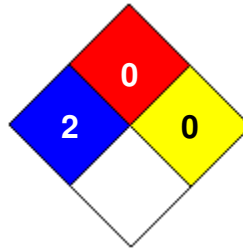
16. OTHER INFORMATION

Date Prepared: 1/13/2015

HMIS RATING

HEALTH	2
FLAMMABILITY	0
PHYSICAL HAZARD	0
PERSONAL PROTECTION	B

NFPA CODES



MANUFACTURER DISCLAIMER: 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 the product either alone or in combination with other products. It is the responsibility of the employer and/or user to provide a safe workplace, using health and safety information contained herein as a guide. This company will accept no liability for damages or losses incurred from the improper handling and use of this product.



CRYSTAL

All Purpose Spray Cleaner

Limpiador Aerosol De Uso



Availability:

Packaging
12-1 Qt.:

Item #
CRY-12MN

Appliances
Aparatos

Walls
Paredes

Desks
Escritorios

Tables
Tablas

Counters
Contadores

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. Free of harsh fumes, this product leaves surfaces with a fresh citrus scent.



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