



Material Safety Data Sheet

Section 1: Product & Company Identification

Product Name: SmartWasher® Low Foam Industrial Cleaning Solution

Product Number (s): 14159

Manufactured By:

CRC Industries, Inc.
885 Louis Drive
Warminster, PA 18974
www.crcindustries.com

| | |
|----------------------------|----------------|
| General Information | (215) 674-4300 |
| Technical Assistance | (800) 521-3168 |
| Customer Service | (800) 272-4620 |
| 24-Hr Emergency (CHEMTREC) | (800) 424-9300 |

Section 2: Hazards Identification

Emergency Overview

Appearance & Odor: Clear, colorless liquid, low odor

As defined by OSHA's Hazard Communication Standard, this product is not hazardous.

Potential Health Effects:

EYE: May cause mild irritation.

SKIN: Not expected to cause negative health effects to skin.

INHALATION: Not expected to cause negative health effects when inhaled.

INGESTION: Not expected to cause negative health effects if ingested.

CHRONIC EFFECTS: None known

TARGET ORGANS: None known

Medical Conditions Aggravated by Exposure: None known

See Section 11 for toxicology and carcinogenicity information on product ingredients.

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Section 3: Composition/Information on Ingredients

| COMPONENT | CAS NUMBER | % by Wt. |
|------------------------------|-------------|----------|
| Deionized water | 7732-18-5 | > 80 |
| Nonhazardous degreaser blend | proprietary | < 25 |

Section 4: First Aid Measures

Eye Contact: Immediately flush with plenty of water for 15 minutes. Call a physician if irritation persists.

Skin Contact: Remove contaminated clothing and wash affected area with soap and water. Call a physician if irritation persists. Wash contaminated clothing prior to re-use.

Inhalation: Remove person to fresh air. Keep person calm. If not breathing, give artificial respiration. If breathing is difficult give oxygen. Call a physician.

Ingestion: Treat symptomatically. Seek medical attention if necessary.

Note to Physicians: None

Section 5: Fire-Fighting Measures

Flammable Properties: As defined by OSHA, this product is nonflammable.

| | | | |
|---------------------------|------|------------------------|----|
| Flash Point: | None | Upper Explosive Limit: | ND |
| Autoignition Temperature: | ND | Lower Explosive Limit: | ND |

Suitable Extinguishing Media: As appropriate for surrounding fire.

Products of Combustion: Oxides of carbon

Protection of Fire-Fighters: Firefighters should wear self-contained, NIOSH-approved breathing apparatus for protection against suffocation and possible toxic decomposition products. Proper eye and skin protection should be provided. Use water spray to keep fire-exposed containers cool and to knock down vapors which may result from product decomposition.

Section 6: Accidental Release Measures

Personal Precautions: Use personal protection recommended in Section 8.

Environmental Precautions: Take precautions to prevent contamination of ground and surface waters. Do not flush into sewers or storm drains.

Methods for Containment & Clean-up: Dike area to contain spill. Ventilate the area with fresh air. Recover or absorb spilled material using an absorbent designed for chemical spills.

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Place used absorbents into proper waste containers.

Section 7: Handling and Storage

Handling Procedures: The use of gloves and safety glasses is recommended. Use good industrial hygiene practices.

Storage Procedures: Store in a cool dry area out of direct sunlight. Keep containers closed when not in use.

Aerosol Storage Level: NA

Section 8: Exposure Controls/Personal Protection

Exposure Guidelines:

| COMPONENT | OSHA | | ACGIH | | OTHER | | UNIT |
|---|------|------|-------|------|-------|--------|------|
| | TWA | STEL | TWA | STEL | TWA | SOURCE | |
| Deionized water | NE | NE | NE | NE | NE | | |
| Nonhazardous degreaser blend | NE | NE | NE | NE | NE | | |
| N.E. – Not Established (c) – ceiling (s) – skin (v) – vacated | | | | | | | |

Engineering Controls: Area should have ventilation to provide fresh air. Local exhaust ventilation is generally preferred because it can control the emissions of the contaminant at the source, preventing dispersion into the general work area. If working in a confined space, follow applicable OSHA regulations.

Respiratory Protection: None required for normal work where adequate ventilation is provided. Use a self-contained breathing apparatus in confined spaces and for emergencies.

Eye/face Protection: For normal conditions, wear safety glasses. Where there is reasonable probability of liquid contact, wear splash-proof goggles.

Skin Protection: Use protective gloves such as rubber, nitrile or neoprene. Also, use full protective clothing if there is prolonged or repeated contact of liquid with skin.

Section 9: Physical and Chemical Properties

Physical State: Liquid

Color: Clear, colorless

Odor: Low

Specific Gravity: 1.0210

Initial Boiling Point: 210 F

Freezing Point: ND

Vapor Pressure: ND

Vapor Density: ND (air = 1)

Evaporation Rate: ND (ether = 1)

Solubility: soluble with water

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pH: 7.29

Volatile Organic Compounds: wt %: < 2.5 g/L: < 25 lbs./gal: < 0.25

Section 10: Stability and Reactivity

Stability: Stable

Conditions to Avoid: None known

Incompatible Materials: None known

Hazardous Decomposition Products: None known

Possibility of Hazardous Reactions: No

Section 11: Toxicological Information

Long-term toxicological studies have not been conducted for this product. The following information is available for components of this product.

ACUTE EFFECTS

| <u>Component</u> | <u>Test</u> | <u>Result</u> | <u>Route</u> | <u>Species</u> |
|--------------------------|-------------|---------------|--------------|----------------|
| No information available | | | | |

CHRONIC EFFECTS

Carcinogenicity:

| | <u>Component</u> | <u>Result</u> |
|-------|------------------|---------------|
| OSHA: | None listed | |
| IARC: | None listed | |
| NTP: | None listed | |

Mutagenicity: No information available.

Other: None

Section 12: Ecological Information

Ecological studies have not been conducted for this product. The following information is available for components of this product.

Ecotoxicity: No information available.
Persistence / Degradability: This material is biodegradable
Bioaccumulation / Accumulation: No information available
Mobility in Environment: No information available

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Section 13: Disposal Considerations

Disposal: This product, as supplied, is not a RCRA hazardous waste. (See 40 CFR Part 261.20 – 261.33)
If potential hazardous wastes are introduced into the parts washer system, the liquid should be evaluated for hazardous characteristics prior to disposal.

All disposal activities must comply with federal, state and local regulations. Local regulations may be more stringent than state or national requirements.

Section 14: Transport Information

Proper shipping description:

US DOT (ground): Not Regulated

Special Provisions: None

Section 15: Regulatory Information

U.S. Federal

Toxic Substances Control Act (TSCA):

All ingredients are either listed on the TSCA inventory or are exempt.

Comprehensive Environmental Response, Compensation and Liability Act (CERCLA):

Reportable Quantities (RQ's) exist for the following ingredients: None

Spills or releases resulting in the loss of any ingredient at or above its RQ require immediate notification to the National Response Center (800-424-8802) and to your Local Emergency Planning Committee.

Superfund Amendments Reauthorization Act (SARA) Title III:

Section 302 Extremely Hazardous Substances (EHS): None

| | | |
|------------------------------------|-----------------------|----|
| Section 311/312 Hazard Categories: | Fire Hazard | No |
| | Reactive Hazard | No |
| | Release of Pressure | No |
| | Acute Health Hazard | No |
| | Chronic Health Hazard | No |

Section 313 Toxic Chemicals: This product contains the following substances subject to the reporting requirements of Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 and 40 CFR Part 372:
None

Clean Air Act:

Section 112 Hazardous Air Pollutants (HAPs): None

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State Regulations

California Safe Drinking Water and Toxic Enforcement Act (Prop 65):

This product may contain the following chemicals known to the state of California to cause cancer, birth defects or other reproductive harm: NONE

State Right to Know:

New Jersey: None
Pennsylvania: None
Massachusetts: None
Rhode Island : None

Additional Regulatory Information: This product is certified as a Clean Air Solvent by the South Coast Air Quality Management District.

Section 16: Other Information

NFPA: Health: 1 Flammability: 0 Reactivity: 0
HMIS: Health: 1 Flammability: 0 Reactivity: 0 PPE: A

Prepared By: Michelle Rudnick
CRC #: 14159
Revision Date: 10/19/2007

Changes since last revision: MSDS reformatted in accordance with ANSI Z400.1-2004

The information contained in this document applies to this specific material as supplied. It may not be valid for this material if it is used in combination with any other materials. This information is accurate to the best of CRC Industries' knowledge or obtained from sources believed by CRC to be accurate. Before using any product, read all warnings and directions on the label.

| | | | |
|-------|---|-----------|---------------------------|
| CAS: | Chemical Abstract Service | NA: | Not Applicable |
| ppm: | Parts per Million | ND: | Not Determined |
| TCC: | Tag Closed Cup | NE: | Not Established |
| PMCC: | Pensky-Martens Closed Cup | g/L: | grams per Liter |
| PPE: | Personal Protection Equipment | lbs./gal: | pounds per gallon |
| TWA: | Time Weighted Average | STEL: | Short Term Exposure Limit |
| OSHA: | Occupational Safety and Health Administration | | |
| ACGIH | American Conference of Governmental Industrial Hygienists | | |
| NIOSH | National Institute of Occupational Safety & Health | | |