

Safety Data Sheet**Section 1. Product & Company Identification**Product Name: **MiraClean™**Product Number: **0201**

Product Description & Use: Liquid Detergent Mixture for commercial car washes.

Manufacturer: Cleaning Systems, Inc., 1997 American Blvd., P.O. Box 5606, De Pere, WI 54115-5606
 Phone: 1-920-337-2175, Fax: 1-920-337-9410, www.cleaningsystemsinc.com,
 Email: chemcompliance@cleaningsystemsinc.com
 Emergency Telephone Number: CHEMTREC 1-800-424-9300 or 703-527-3887

Section 2: Hazards IdentificationHazard Class: **Acute Tox. 4, Eye / Skin Irritant 2**Signal Word: **Warning**Hazard Statement(s): **H302: Harmful if swallowed. H319: Causes serious eye irritation.**Precautionary Statement(s): **P264: Wash thoroughly after handling. P280: Wear protective gloves / eye protection.**Precautionary Statement Response: **P305 + P351 + P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.**Precautionary Statement Disposal: **P501: Dispose of container to recycling after rinsing.****Section 3: Composition / Information on Ingredients**

Ingredient(s)	CAS #	EC #	Wt. %	Classification
Sodium Metasilicate	6834-92-0	229-912-9	1-5	1B Corrosive STOT SE3
2-Butoxyethanol	111-76-2	203-905-0	5-10	Acute Tox. 4, Eye/Skin Irritant 2
EDTA	64-02-8	200-573-9	1-5	Acute Tox. 4

Section 4: First Aid Measures

Eyes: Flush with clear water for at least 15 minutes. Get immediate medical attention.

Skin: Rinse well with water. Remove contaminated clothing.

Ingestion: Give water if conscious. Do not induce vomiting, although vomiting may occur naturally. Get immediate medical attention.

Inhalation: Move to fresh air. If irritation persists, get medical attention.

Section 5: Fire Fighting Measures

Product will not burn. No known hazardous decomposition products.

Unusual Fire & Explosion Hazards: None known.

Fire Fighting Procedures: Appropriate for surrounding materials.

Section 6: Accidental Release MeasuresPersonal Precautions: Use personal protective equipment recommended in Section 8.Environmental Precautions: Keep spills away from storm drains, surface water and soil.Spills and Leaks: Small spills - Rinse to drain. Large spills - Contain for reclamation or disposal.Caution: Spills of this material may cause floor to become slippery**Section 7: Handling and Storage**

Store in original container at temperatures below 50°C. Keep out of reach of children.

Product is for use as a detergent in commercial, automatic car wash applications.

Section 8: Exposure Controls / Personal ProtectionIngredient Exposure Limits

2-Butoxyethanol

OSHA PEL50 mg/m³ACGIH TLV

20 ppm

Personal Protection

Eyes: Wear Chemical Goggles when handling concentrated product, recommended but not required for diluted product.

Skin: Neoprene Gloves when handling concentrated product, recommended but not required for diluted product.

Respiratory: Good General Ventilation. Respirator not normally required

Avoid being sprayed by product in the car wash.

Section 9: Physical and Chemical Properties

Appearance: Clear, green liquid.	Evaporation Rate: Not determined, similar to water.	Solubility in Water: Miscible.
Odor: Mild solvent like odor. Odor Threshold: Not Determined.	Flash Point: Not Applicable.	Partition coefficient: Not Determined.
pH full strength: 13	Flammability: Will Not Burn.	Auto-Ignition Temperature: Not Applicable.
Freezing Point: Near Water. Initial Boiling Point: Not Determined.	Vapor Pressure: Not Determined.	Decomposition Temperature: Not Applicable.
	Vapor Density: Not Determined.	% Volatile (w/w): >90 mostly water
	Specific Gravity: 1.0	

Section 10: Stability and Reactivity

Stability: This is a stable material.	Conditions to Avoid: None Known.
Materials to Avoid: None known.	Hazardous Polymerization will NOT occur.
Hazardous Decomposition Products: None Known.	

Section 11: Toxicological Information

Acute toxicity: No data is available on this mixture. The results based on calculation as per GHS bridging calculations chapter 3.1.3.6 Rev are above the classification limits.

Skin Corrosion / Irritation: This product is NOT Corrosive to skin.

Serious Eye damage / Irritation: This product is very Irritating to eyes with direct contact.

Respiratory of Skin Sensitization: No data available.

Germ Cell Mutagenicity: No data available on this mixture. No indication from ingredients.

Carcinogenicity: No data available on this mixture.

Reproductive Toxicity: No data available on this mixture. No indication from ingredients.

STOST-Single Exposure: No data available on this mixture. No indication from ingredients.

STOST-Repeated Exposure: No data available on this mixture. No indication from ingredients.

Aspiration Hazard: No data available.

No toxicological data is available on this mixture. For information on ingredients, write to the email address listed in Section 1 of this SDS.

Section 12: Ecological Information

Ecological Toxicity: No data is available on this mixture.

Biodegradability: Some surfactant(s) contained in this preparation do not comply with the biodegradability criteria as laid down in Regulation (EC) No.648/2004 on detergents.

This product contains Phosphates.

Section 13: Disposal Considerations

Follow all Federal, State, and Local Regulations appropriate for this material.

Wastewater resulting from use of this product should be directed to a properly operating wastewater treatment facility.

Section 14: Transportation Information

ADR/RID/IMO/ICAO/US DOT. Hazardous Material Class: Not a DOT Hazardous Material

UN Number: Not Applicable

Section 15: Regulatory Information

EPA SARA Title III Section 312 (40CFR 370) Hazard Classification of ingredients: Acute Health Hazard.

California Prop. 65: This product may contain trace quantities of the following materials that are found by the state of California to cause cancer, birth defects and other reproductive harm: Ethylene oxide, 1,4-Dioxane, all <0.0001%

Section 16: Other Information

Hazard & Precautionary Statements in Section 2 are taken from the European CLP Directive.

Version: 06

Revision Date: 29-Mar-17

Supersedes: 7-Oct-15

The information relates to this specific material. It may not be valid for this material if used in combination with any other materials or in any process. CSI (Cleaning Systems, Incorporated) makes no warranty, express or implied, as to the accuracy or completeness or adequacy of information herein, except that such information is to the best of CSI's belief, accurate as of the date indicated. CSI assumes no responsibility for injury from the use of the product described herein.