Safety Data Sheet

(pursuant to 29 CFR §1910.1200(g) and Appendix D)

Section 1: Product Identification

Product Name: M-C Powder Detergent (Envirokleen, LLC) **Recommended Use:** Hard surface cleaner, stain remover

ECS Envirokleen

Daytime Telephone: (317) 352-1941 **Emergency Telephone Info Trac (24 hour):** (800) 535-5053

Section 2: Hazard Identification



Hazard Class: Corrosive Mixture **Signal Word:** Danger

Hazard Category(ies): Eye Damage/Irritation – Category 1; Skin on/Irritation – Category 1A

Acute Toxicity – Oral – Category 4 **Hazard Statement(s):** Concentrate may cause serious eye damage; may cause severe skin burns and eye damage; Harmful if swallowed

Precautionary Statements:

Prevention: Do not breathe dust or mists. Wash hands thoroughly after handling. Do not eat, drink or smoke when using this product. Wear protective rubber gloves and chemical splash goggles or face shield when cleaning over-head surface. If inhalable particles of dusts or mists may occur during use, wear NIOSH approved respiratory protection. Mix ONLY with water.

Response: If swallowed: Rinse out mouth. Do NOT induce vomiting. Immediately call a Poison Control Center or doctor for treatment advice. **If in eyes:** Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a Poison Control Center or doctor for treatment advice. **If on skin (or hair)**: Take off immediately all contaminated clothing. Rinse skin with water. Wash contaminated clothing before reuse. Immediately call a Poison Control Center or doctor for treatment advice. **If inhaled**: Remove person to fresh air and keep comfortable for breathing. Immediately call a Poison Control Center or doctor for treatment advice.

Storage: Store locked up **Disposal:** See Section 13 for disposal information **Hazards Not Otherwise Classified:** None identified

Section 3: Composition/Information on Ingredients

Product Type: Mixture

Hazardous Ingredient Name (common name(s))	CAS Number	Concentration Range (%)
Disodium Trioxosilicate	6834-92-0	

Section 4: First-Aid Measures

If swallowed: Rinse out mouth. Do NOT induce vomiting. Immediately call a Poison Control Center or doctor for treatment advice.

If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a Poison Control Center or doctor for treatment advice.

If on skin (or hair): Take off immediately all contaminated clothing. Rinse skin with water. Wash contaminated clothing before reuse. Immediately call a Poison Control Center or doctor for treatment advice.

If inhaled: Remove person to fresh air and keep comfortable for breathing. Immediately call a Poison Control Center or doctor for treatment advice.

Symptoms of Exposure: See Section 11 for additional information.

Indication of Immediate Medical Attention and Special Treatment Needed: Treat exposure symptomatically. In all cases of eye contact, ingestion, or inhalation, contact a doctor or Poison Control Center immediately.

Section 5: Fire-Fighting Measures

Suitable Fire Extinguishing Media: Use water spray, fog or foam. **Specific Hazards:** None known
Decomposition Byproducts: Carbon dioxide, carbon monoxide and/or metal oxides.
Special Protective Equipment: Self-contained breathing apparatus.
Specific Precautions: Remove all persons from the vicinity. No responsive action should be taken without proper training.

Section 6: Accidental Release Measures

Personal Precautions: Initiate spill containment procedures immediately using containment or absorbtion methods. Keep people away from area. Put on appropriate protective equipment (see Section 8).
Spill Cleanup: Do not allow spilled material to enter sewers, waterways or soil. Neutralize with water. Mop, sweep or otherwise collect spilled material and hold for disposal. Consult local government authorities for allowable disposal methods. After removal, rinse area completely with water to remove residue.

Section 7: Handling and Storage

Handling Precautions: Avoid contact with eyes, skin or clothing. Avoid inhalation of dust or mists. Use in a well ventilated area. Wash thoroughly after handling. Do not eat, drink or smoke when using this product.
Storage Precautions: Store in a locked location inaccessible to small children. Keep container closed when not in use. Store in a well ventilated area between 60-100°F (15- 38°C).

Section 8: Exposure Controls/Personal Protection

Hazardous Ingredient Name (common name)	OSHA PEL	ACGIH TLV
Disodium Trioxosilicate	No data available	No data available

Engineering Controls: Use with adequate ventilation to maintain exposure limits below listed thresholds.
Personal Protective Equipment: The following protective equipment is recommended during usage:
Eye protection: Wear chemical splash goggles or face shield when using this product. **Skin protection:** Wear protective rubber gloves, a long sleeve shirt and, if necessary, a rubber apron to prevent contact. **Respiratory protection:** Wear a NIOSH respirator approved for corrosive dusts or mists. .
Hygienic Measures: Wash hands thoroughly after handling. Do not eat, drink or smoke when using this product. Avoid contact with clothing or shoes. Wash contaminated items before reuse. Avoid wearing contact lenses when using this product.

Section 9: Physical and Chemical Properties

Physical State: White Powder **Odor:** Characteristic **pH (1% solution):** >11.5 **Melt Point:** NA
Freeze Point: NA
Boiling Point: NA **Flash Point:** Non-Combustible **Evaporation Rate (H_2O = 1.0):** NA
Flammability: NA

Explosion Limits: NA **Vapor Pressure:** NA **Vapor Density (Air =1.0):** NA **Relative Density:** Not Determined
Solubility (in 120°F Water): 100% **Viscosity (H_2O =1.0):** NA **Partition coefficient: n-octanol/water:** No data available
Auto Ignition Temperature: No data available **Decomposition Temperature:** No data available

Section 10: Stability and Reactivity

Stability: Product is stable under normal storage and usage conditions.
Reactivity: Product may react when diluted with water to produce heat up to boiling temperature. Product is highly reactive with acids and organic materials. Reactions may produce hazardous conditions, including violent splattering of corrosive materials and emission of chlorine gas. NEVER mix this product with other chemicals. Mix this product ONLY with water.
Incompatibilities: Acids, organics metals. **Hazardous Decomposition Byproducts:** None are expected under normal storage and usage conditions.

Section 11: Toxicological Information

Likely Routes of Exposure: Eyes, Skin, Ingestion, Inhalation
Symptoms: Eye contact: Irritation, pain, redness, watering. **Skin contact:** Irritation, pain, redness, blistering. **Inhalation:** Coughing, choking, respiratory tract irritation, breathing difficulty. **Ingestion:** Pain in mouth, throat, stomach.
Acute Effects of Exposure: Serious burns to eyes, skin, mouth, throat, stomach and respiratory tract.
Toxicity Data: Disodium Trioxosilicate: Oral (LD50) 1,280 mb/kg (rat)
Chronic Effects of Exposure: No known significant effects or critical hazards. **Carcinogen Listing Source:** NA

Section 12: Ecological Information

Ecotoxicity: No specific data available for this mixture. Disodium Trioxosilicate is known to be moderately toxic to aquatic life. **Persistence and Degradability:** No data **Bioaccumulative Potential:** No data **Mobility in Soil:** No data
Other Adverse Effects: No known significant effects or critical hazards.

Section 13: Disposal Considerations

Avoid disposal of this product. Use complete contents according to directions. Do not release contents into a municipal sewer except through normal dilution and usage. Do not release contents onto the ground or into any body of water. Dispose of empty container by offering for recycling if available, or into a landfill. Follow all applicable state and local regulations.

Section 14: Transport Information

DOT Proper Shipping Name: UN 3262, Corrosive Solid, Basic, Inorganic, N.O.S., 8, PG III (Contains Disodium Trioxosilicate)
Note: Certain package sizes of this product may qualify for exceptions to DOT's packaging, labeling and other requirements, and thus may have different DOT shipping names. For bulk shipments, see the shipping documents.

Section 15: Regulatory Information

Regulation	Listing
TSCA §8(b) Inventory	All Ingredients Listed

SARA Title III §301-303 Extremely Hazardous Substances	None
SARA Title III §304 Reportable Quantity (RQ) Release Notification Chemicals	None
SARA Title III §311-312 Right-To-Know Hazardous Chemicals	Disodium Trioxosilicate
SARA Title III §311-312 Right-To-Know Extremely Hazardous Substances	None
SARA Title III §313 Form R Reportable Chemicals	None

Section 16: Other Information

Date of Last Revision: May 1, 2015

The information herein is believed to be correct, but is given without warranty or guaranty of any kind, express or implied. The hazards provided in this Safety Data Sheet apply to the product in its concentrated form, and may differ significantly after dilution. Dilution of concentrates mitigates thresh hold limit.