

Safety Data Sheet24 Hour Emergency Phone: **CHEMTREC 1-800-424-9300****Section 1. Product & Company Identification**Product Name: **LiftOff® Cleaner**Product Number: **1905**

Product Description / Use: Liquid Alkaline Detergent for use in vehicle wash applications.

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.

Section 2: Hazards IdentificationHazard Class: **1A Corrosive**Signal Word: **Danger**Hazard Statement(s): **H314: Causes severe skin burns and eye damage.**Precautionary Statement(s): **P260: Do Not Breathe Dust/Spray. P264: Wash exposed area thoroughly after handling. P280: Wear protective gloves/eye protection.**Precautionary Statement Response: **P303 + P361 + P353: IF ON SKIN (or hair) Remove immediately all contaminated clothing. Rinse skin with water/shower. P363: Wash contaminated clothing before reuse. 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 Storage: **P405: Store locked up.**Precautionary Statement Disposal: **P501: Dispose of container to trash/landfill.****Section 3: Composition / Information on Ingredients**

Ingredient(s)	CAS #	EC #	Wt. %	Classification
Sodium Metasilicate	6834-92-0	229-912-9	10-20	1B Corrosive STOT SE3
Ethylene Glycol	107-21-1	203-473-3	10-20	Harmful if swallowed. Oral 4
EDTA	64-02-8	200-573-9	1-5	Acute Tox. 4
Surfactant Blend	Mixture	Mixture	10-20	Acute Tox. Oral 4, Eye Dam. Irr. 1

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: (Harmful exposure is unlikely) 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: Upon contact with dusts of Al, Sn or Zn, may produce Hydrogen gas, which is flammable. Fire

Fighting Procedures: Appropriate for surrounding materials.

Section 6: Accidental Release Measures

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. Neutralize with dilute acid, preferably acetic acid.

Caution: Spills of this material may cause floor to become slippery

Section 7: Handling and Storage

Store in original container at temperatures below 120°F.

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

Section 8: Exposure Controls / Personal ProtectionIngredient Exposure LimitsOSHA PELACGIH TLV

None listed.

Personal Protection

Eyes: Wear Chemical Goggles

Respiratory: Good General Ventilation. Respirator not normally required

Skin: Neoprene Gloves. Rubber Apron if greater exposure is likely.

Avoid being sprayed by diluted product in the vehicle wash.

Section 9: Physical and Chemical Properties

Appearance: Clear, orange colored water based detergent.

Odor: Mild odor.

Odor Threshold: Not Determined.

pH full strength: 13.2

Freezing Point: Near Water.

Initial Boiling Point: Near Water.

Flash Point: Will Not Burn.

Flammability: Will Not Burn.

Evaporation Rate: Not determined, similar to water.

Vapor Pressure: Not Determined.

Vapor Density: Not Determined.

Specific Gravity: 1.2

Solubility in Water: Complete.

Partition coefficient: Not Determined.

Auto-Ignition Temperature: Not Applicable.

Decomposition Temperature: Not

Applicable. % Volatile

(w/w): >50, mostly water

Section 10: Stability and Reactivity

Stability: This is a stable material.

Conditions to Avoid: None Known.

Materials to Avoid: Strong Acids. Dusts of Aluminum, Tin, or Zinc.

Hazardous Polymerization will NOT occur.

Section 11: Toxicological Information

Routes of Entry / Exposure

Skin Contact

Skin Absorption

Eye Contact

Inhalation (most likely when diluted with water and sprayed on vehicles)

Ingestion

Acute toxicity: No data is available on this mixture.

Skin Corrosion / Irritation: This product is Corrosive to skin with exposures of 1 hour.

Serious Eye damage / Irritation: This product is Corrosive to eyes with significant exposure.

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. No indication from ingredients.

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.

For information on ingredients, write to the address listed in Section 16 of this MSDS

Section 12: Ecological Information

Ecological Toxicity: No data is available on this mixture.

Biodegradability: The surfactant(s) contained in this preparation complies (comply) with the biodegradability criteria as laid down in Regulation (EC) No.648/2004 on detergents. Data to support this assertion are held at the disposal of the competent authorities of the Member States and will be made available to them, at their direct request or at the request of a detergent manufacturer. This product does not contain Phosphates.

Section 13: Disposal Considerations

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

Neutralize pH with dilute acid before disposal.

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

Section 14: Transportation Information

D.O.T. Hazardous Material Class: Corrosive Liquid, Basic, Inorganic, N.O.S. (Sodium Metasilicate Solution) Class 8, PG II

UN Number: UN 3266

Section 15: Regulatory Information

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

This product is not known to contain any chemicals known to the State of California to cause cancer, birth defects or any other reproductive harm.

Section 16: Other Information

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

Prepared by: Richard Martens, Chemist, Cleaning Systems, Inc.

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Phone: 1-920-337-2175

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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.

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