

## Safety Data Sheet

24 Hour Emergency Phone:  
USA: CHEMTREC 1-800-424-9300

### Section 1. Product & Company Identification

Product Name: **Ultraflex® Base 121- High Alkaline** Product Number: **DF121**

Product Description / Use: Powdered High Alkaline Detergent Base for commercial vehicle 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](http://www.cleaningsystemsinc.com),

### Section 2: Hazards Identification

Hazard Class: **1A Corrosive**

Signal Word: **Danger**



Hazard Pictogram:

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. P313: Get medical advice/attention.**

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 Hydroxide	1310-73-2	215-185-5	10-20	1A Corrosive
Sodium Metasilicate	6834-92-0	229-912-9	20-30	1B Corrosive STOT SE3

### 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. If exposure is significant seek medical attention.  
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: 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

Personal 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. Neutralize with dilute acid, preferably acetic acid.  
Caution: Spills of this material may cause floor to become slippery. Dusts and powder can land on skin and absorb moisture causing burns.

### Section 7: Handling and Storage

Store in original container at temperatures below 120°F. Open carefully and avoid spilling contents when using. Product is for use as a detergent base in commercial, automatic vehicle wash applications.

### Section 8: Exposure Controls / Personal Protection

<u>Ingredient Exposure Limits</u>	<u>OSHA PEL</u>	<u>ACGIH TLV</u>
Sodium Hydroxide (<60% in product)	2 mg/m <sup>3</sup>	2 mg/m <sup>3</sup>

#### Personal Protection

Eyes: Wear Chemical Goggles  
Skin: Neoprene Gloves. Rubber Apron if greater exposure is likely.  
Respiratory: Good General Ventilation. Respirator not normally required  
Avoid being sprayed by diluted product in the vehicle wash.

### Section 9: Physical and Chemical Properties

Appearance: Greenish powdered material.	Odor Threshold: Not Determined.
Odor: Acrid dusts.	% Volatile (w/w): Not Applicable
pH at 10% wt/wt: 13.4	Initial Boiling Point: Not Applicable.
Freezing Point: Solid Material.	Evaporation Rate: Not Applicable.
Flash Point: Will Not Burn.	Vapor Pressure: Not Determined.
Flammability: Will Not Burn.	Bulk Density: 55-58 lbs/ft <sup>3</sup> , 880-930 kg/m <sup>3</sup>
Vapor Density: Not Determined.	Partition coefficient: Not Determined.
Solubility in Water: <25%.	Decomposition Temperature: Not Applicable.
Auto-Ignition Temperature: Not Applicable.	

## **Section 10: Stability and Reactivity**

Stability: Slightly reactive.

Conditions to Avoid: When in contact with water, may generate sufficient heat and cause splattering to ignite combustible materials.

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

Hazardous Polymerization will NOT occur.

## **Section 11: Toxicological Information**

Acute toxicity: No data is available on this mixture.

Skin Corrosion / Irritation: This product is Corrosive to skin with even short exposures.

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

Respiratory or 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.

No toxicological data is available on this mixture. 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: No data is available on this mixture. This product does not contain surfactants.

## **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**

ADR/RID/IMO/ICAO/US DOT Hazardous Material Class: Sodium Hydroxide Solid, Class 8, PG II

UN Number: UN1823

## **Section 15: Regulatory Information**

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

California Prop. 65: This product does not contain materials that are found by the state of California to cause cancer, birth defects and other reproductive harm.

## **Section 16: Other Information**

Hazard & Precautionary Statements in Section 2 are taken from the European CLP Directive.  
HMIS Rating: 3-0-1

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**Cleaning Systems, Inc., P.O. Box 5606, De Pere, WI 54115-5606, U.S.A., Phone: 920-337-2175**