

## AK Laundry Ultra

Printed: 09/30/2024

Revision: 09/04/2024

**1. Product and Company Identification**

**Product Code:** AK450  
**Product Name:** AK Laundry Ultra  
**Company Name:** All Kleen Solutions LLC  
525 Railroad Avenue  
South San Francisco, CA 94080  
**Phone Number:** 1 (650)588-7600  
**Web site address:** www.allkleensolutions.com  
**Emergency Contact:** Infotrac 24 Hour Emergency Hotline 1 (800)535-5053  
**Recommended Use:** Hard Surface Cleaner/Degreaser  
**Intended Use:** For sale to, use and storage by service persons only.

**2. Hazards Identification****Acute Toxicity: Inhalation, Category 4****Acute Toxicity: Oral, Category 4****Acute Toxicity: Skin, Category 4****Skin Corrosion/Irritation, Category 1A****Serious Eye Damage/Eye Irritation, Category 2A****Specific Target Organ Toxicity (single exposure), Category 3****GHS Signal Word:** Danger

**GHS Hazard Phrases:** H332 - Harmful if inhaled.  
H302 - Harmful if swallowed.  
H312 - Harmful in contact with skin.  
H314 - Causes severe skin burns and eye damage.  
H319 - Can cause serious eye irritation.  
H335 - May cause respiratory irritation.

**GHS Precaution Phrases:** P271 - Use only outdoors or in a well-ventilated area.  
P261 - Avoid breathing fumes and spray mist.  
P264 - Wash hands thoroughly after handling.  
P102 - Keep out of reach of children.  
P270 - Do not eat, drink or smoke when using this product.  
P280 - Wear protective gloves, protective clothing, eye protection, face protection.  
P362+364 - Take off contaminated clothing and wash it before reuse.  
P260 - Do not breathe dust, fumes, mist, vapors, spray.

**GHS Response Phrases:** P304+340 - If inhaled: Remove victim to fresh air and keep at rest in a position comfortable for breathing.  
P301+312 - If swallowed: Call a Poison Center or doctor if you feel unwell.  
P302+352 - If on skin (or in hair): Wash with plenty of soap and water.  
P303+361+353 - If on skin (or in hair): Take off immediately all contaminated clothing. Rinse skin with water.  
P363 - Wash contaminated clothing before reuse.  
P305+351+338 - If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.  
P301+330+331 - If swallowed: Rinse mouth. Do NOT induce vomiting.  
P337+313 - If eye irritation persists, get medical attention immediately.  
P309+311 - Call a POISON CENTER or doctor/physician if exposed or you feel unwell.

**GHS Storage and Disposal** P501 - Dispose of contents and container according to the local, city, state and federal

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|                                                      |                                                                                                                                                                                                                                                                                |
|------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Phrases:</b>                                      | regulations.<br>P405 - Store locked up.<br>P403+233 - Store container tightly closed in well-ventilated place - if product is as volatile as to generate hazardous atmosphere.                                                                                                 |
| <b>Potential Health Effects (Acute and Chronic):</b> | Prolonged or repeated eye contact may cause conjunctivitis.<br>Prolonged or repeated skin contact may cause dermatitis.                                                                                                                                                        |
| <b>Inhalation:</b>                                   | Harmful if inhaled. Irritation may lead to chemical pneumonitis and pulmonary edema.<br>Causes chemical burns to the respiratory tract.                                                                                                                                        |
| <b>Skin Contact:</b>                                 | Causes skin burns. Causes skin irritation. Harmful if absorbed through the skin.<br>Substance is rapidly absorbed through the skin. Causes symptoms similar to those of inhalation.                                                                                            |
| <b>Eye Contact:</b>                                  | Contact may cause ulceration of the conjunctiva and cornea. Eye damage may be delayed. Causes redness and pain. May cause chemical conjunctivitis and corneal damage. Causes eye irritation.                                                                                   |
| <b>Ingestion:</b>                                    | Harmful if swallowed. May cause perforation of the digestive tract. Causes severe digestive tract burns with abdominal pain, vomiting, and possible death. May cause systemic effects. Causes burns. May cause gastrointestinal irritation with nausea, vomiting and diarrhea. |

### 3. Composition/Information on Ingredients

| CAS #      | Hazardous Components (Chemical Name) | Concentration |  |
|------------|--------------------------------------|---------------|--|
| 68131-39-5 | Ethoxylated linear alcohol           | Proprietary   |  |
| 1300-72-7  | Sodium xylenesulfonate               | Proprietary   |  |
| 1310-58-3  | Potassium hydroxide                  | Proprietary   |  |
| 1310-73-2  | Sodium hydroxide                     | Proprietary   |  |
| 1344-09-8  | Sodium silicate                      | Proprietary   |  |

### 4. First Aid Measures

#### Emergency and First Aid

##### Procedures:

|                                 |                                                                                                                                                                                                                                                                                                                     |
|---------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>In Case of Inhalation:</b>   | Get medical aid immediately. Remove from exposure and move to fresh air immediately. If breathing is difficult, give oxygen.                                                                                                                                                                                        |
| <b>In Case of Skin Contact:</b> | Get medical aid immediately. Flush skin with plenty of water for at least 15 minutes while removing contaminated clothing and shoes.                                                                                                                                                                                |
| <b>In Case of Eye Contact:</b>  | Flush eyes with plenty of water for at least 15 minutes, occasionally lifting the upper and lower eyelids. Get medical aid immediately. Do NOT allow victim to rub eyes or keep eyes closed. Extensive irrigation with water is required (at least 30 minutes). Continue rinsing eyes during transport to hospital. |
| <b>In Case of Ingestion:</b>    | If victim is conscious and alert, give 2-4 cupfuls of milk or water. Never give anything by mouth to an unconscious person. Get medical aid immediately.                                                                                                                                                            |
| <b>Note to Physician:</b>       | Treat symptomatically and supportively.                                                                                                                                                                                                                                                                             |

## 5. Fire Fighting Measures

|                                          |                                                                                                                                                                                                                                                        |
|------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Flash Pt:</b>                         | NE                                                                                                                                                                                                                                                     |
| <b>Explosive Limits:</b>                 | LEL: N/A      N.E.      UEL: N/A      N.E.                                                                                                                                                                                                             |
| <b>Autoignition Pt:</b>                  | NE                                                                                                                                                                                                                                                     |
| <b>Suitable Extinguishing Media:</b>     | Use dry chemical, carbon dioxide, or alcohol-resistant foam.                                                                                                                                                                                           |
| <b>Fire Fighting Instructions:</b>       | As in any fire, wear a self-contained breathing apparatus in pressure-demand, MSHA/NIOSH (approved or equivalent), and full protective gear. During a fire, irritating and highly toxic gases may be generated by thermal decomposition or combustion. |
| <b>Flammable Properties and Hazards:</b> | No data available.                                                                                                                                                                                                                                     |
| <b>Hazardous Combustion Products:</b>    | No data available.                                                                                                                                                                                                                                     |

## 6. Accidental Release Measures

|                                                                   |                                                                                                                                                                                                                                                                                                                                                        |
|-------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Steps To Be Taken In Case Material Is Released Or Spilled:</b> | Use proper personal protective equipment as indicated in Section 8.<br>Spills/Leaks: Clean up spills immediately, observing precautions in the Protective Equipment section. Absorb spill with inert material (e.g. vermiculite, sand or earth), then place in suitable container. Avoid runoff into storm sewers and ditches which lead to waterways. |
|-------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|

## 7. Handling and Storage

|                                             |                                                                                                                                                                                 |
|---------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Precautions To Be Taken in Handling:</b> | Wash thoroughly after handling. Avoid breathing dust, vapor, mist, or gas. Avoid contact with skin and eyes. Avoid ingestion and inhalation.                                    |
| <b>Precautions To Be Taken in Storing:</b>  | Keep container closed when not in use. Store in a tightly closed container. Store in a cool, dry, well-ventilated area away from incompatible substances. Keep away from water. |

## 8. Exposure Controls/Personal Protection

| CAS #      | Partial Chemical Name      | OSHA TWA     | ACGIH TWA     | Other Limits |
|------------|----------------------------|--------------|---------------|--------------|
| 68131-39-5 | Ethoxylated linear alcohol | No data.     | No data.      | No data.     |
| 1300-72-7  | Sodium xylenesulfonate     | No data.     | No data.      | No data.     |
| 1310-58-3  | Potassium hydroxide        | No data.     | CEIL: 2 mg/m3 | No data.     |
| 1310-73-2  | Sodium hydroxide           | PEL: 2 mg/m3 | CEIL: 2 mg/m3 | No data.     |
| 1344-09-8  | Sodium silicate            | No data.     | No data.      | No data.     |

### Personal Protective Equipment Symbols:



|                                                 |                                                                                                                                                                                                                                         |
|-------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Respiratory Equipment (Specify Type):</b>    | Always use a NIOSH approved respirator when necessary.                                                                                                                                                                                  |
| <b>Eye Protection:</b>                          | Wear appropriate protective eyeglasses or chemical safety goggles as described by OSHA's eye and face protection regulations in 29 CFR 1910.133 or European Standard EN166. Face shield and safety glasses.                             |
| <b>Protective Gloves:</b>                       | Wear appropriate protective gloves to prevent skin exposure. Handle with gloves.                                                                                                                                                        |
| <b>Other Protective Clothing:</b>               | Wear appropriate protective clothing to prevent skin exposure.                                                                                                                                                                          |
| <b>Engineering Controls (Ventilation etc.):</b> | Facilities storing or utilizing this material should be equipped with an eyewash facility and a safety shower. Use adequate general or local exhaust ventilation to keep airborne concentrations below the permissible exposure limits. |
| <b>Work/Hygienic/Maintenance Practices:</b>     | Handle in accordance with good industrial hygiene and safety practice. Wash hands before breaks and at the end of workday.                                                                                                              |

# SAFETY DATA SHEET

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### 9. Physical and Chemical Properties

|                                      |                                 |
|--------------------------------------|---------------------------------|
| Physical States:                     | [ ] Gas [ X ] Liquid [ ] Solid  |
| Appearance and Odor:                 | Blue color liquid with no odor. |
| pH:                                  | ~ 11.50 - 12.50                 |
| Melting Point:                       | NE                              |
| Boiling Point:                       | >= 212.00 F                     |
| Flash Pt:                            | NE                              |
| Evaporation Rate:                    | NE                              |
| Flammability (solid, gas):           | No data available.              |
| Explosive Limits:                    | LEL: N/A N.E. UEL: N/A N.E.     |
| Vapor Pressure (vs. Air or mm Hg):   | NE                              |
| Vapor Density (vs. Air = 1):         | NE                              |
| Specific Gravity (Water = 1):        | ~ 1.134                         |
| Density:                             | ~ 9.46 LB/GA                    |
| Bulk density:                        | NE                              |
| Solubility in Water:                 | 100%                            |
| Saturated Vapor Concentration:       | NE                              |
| Octanol/Water Partition Coefficient: | No data.                        |
| VOC / Volume:                        | 0.0000 G/L                      |
| Autoignition Pt:                     | NE                              |
| Decomposition Temperature:           | NE                              |
| Viscosity:                           | NP                              |
| Particle Size:                       | NE                              |
| Heat Value:                          | NE                              |
| Corrosion Rate:                      | NE                              |

### 10. Stability and Reactivity

|                                            |                                                                  |
|--------------------------------------------|------------------------------------------------------------------|
| Stability:                                 | Unstable [ ] Stable [ X ]                                        |
| Conditions To Avoid - Instability:         | None.                                                            |
| Incompatibility - Materials To Avoid:      | Aluminum and Soft Metals. Strong oxidizing agents, Strong acids. |
| Hazardous Decomposition or Byproducts:     | CO, CO2.                                                         |
| Possibility of Hazardous Reactions:        | Will occur [ ] Will not occur [ X ]                              |
| Conditions To Avoid - Hazardous Reactions: | None.                                                            |

## 11. Toxicological Information

|                                           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
|-------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Toxicological Information:</b>         | CAS# 1310-73-2: Acute toxicity, LD50, Intraperitoneal, Mouse, 40.00 MG/KG. Result: Behavioral: Somnolence (general depressed activity). ; Comptes Rendus Hebdomadaires des Seances, Academie des Sciences., For publisher information, see CRASEV, Paris France, Vol/p/yr: 257,791, 1963                                                                                                                                                                                                                                                                                                                |
| <b>Carcinogenicity/Other Information:</b> | CAS# 1310-58-3: Not listed by ACGIH, IARC, NTP, or CA Prop 65. Carcinogenicity. IARC: No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC. NTP: No component of this product present at levels greater than or equal to 0.1% is identified as a known or anticipated carcinogen by NTP. OSHA: No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by OSHA. California: Not listed. NTP: Not listed. IARC: Not listed. |
| <b>Carcinogenicity:</b>                   | NTP? No      IARC Monographs? No      OSHA Regulated? No                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |

## 12. Ecological Information

|                                        |                                                                                                                                                                                                                                                                                                                              |
|----------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>General Ecological Information:</b> | CAS# 1310-73-2: LC50, Western Mosquitofish (Gambusia affinis), adult(s), 125000. UG/L, 24 H, Mortality, Water temperature: 22.00 C - 24.00 C C, pH: 9.00. Result: No loss of equilibrium observed. ; Toxicity to Gambusia affinis of Certain Pure Chemicals in Turbid Waters, Wallen, I.E., W.C. Greer, and R. Lasater, 1957 |
|----------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|

## 13. Disposal Considerations

|                               |                                                                                                |
|-------------------------------|------------------------------------------------------------------------------------------------|
| <b>Waste Disposal Method:</b> | Dispose of contents and container according to the local, city, state and federal regulations. |
|-------------------------------|------------------------------------------------------------------------------------------------|

## 14. Transport Information

### LAND TRANSPORT (US DOT):

|                                  |                                                                                                                                        |                       |    |
|----------------------------------|----------------------------------------------------------------------------------------------------------------------------------------|-----------------------|----|
| <b>DOT Proper Shipping Name:</b> | Limited quantity: 5 gallon or higher: UN1760, CORROSIVE LIQUID, n.o.s., (CONTAINS SODIUM HYDROXIDE AND POTASSIUM HYDROXIDE), 8, PG II. |                       |    |
| <b>DOT Hazard Class:</b>         | 8                                                                                                                                      | CORROSIVE             |    |
| <b>UN/NA Number:</b>             | UN1760                                                                                                                                 | <b>Packing Group:</b> | II |



### LAND TRANSPORT (Canadian TDG):

|                           |                                                                                                                    |
|---------------------------|--------------------------------------------------------------------------------------------------------------------|
| <b>TDG Shipping Name:</b> | UN3266, CORROSIVE LIQUID, BASIC, INORGANIC, n.o.s., (CONTAINS POTASSIUM HYDROXIDE AND SODIUM METASILICATE), 8, II. |
|---------------------------|--------------------------------------------------------------------------------------------------------------------|

### MARINE TRANSPORT (IMDG/IMO):

|                                |                                                                                                                    |
|--------------------------------|--------------------------------------------------------------------------------------------------------------------|
| <b>IMDG/IMO Shipping Name:</b> | UN3266, CORROSIVE LIQUID, BASIC, INORGANIC, n.o.s., (CONTAINS POTASSIUM HYDROXIDE AND SODIUM METASILICATE), 8, II. |
|--------------------------------|--------------------------------------------------------------------------------------------------------------------|

### AIR TRANSPORT (ICAO/IATA):

|                                 |                                                                                                                    |
|---------------------------------|--------------------------------------------------------------------------------------------------------------------|
| <b>ICAO/IATA Shipping Name:</b> | UN3266, CORROSIVE LIQUID, BASIC, INORGANIC, n.o.s., (CONTAINS POTASSIUM HYDROXIDE AND SODIUM METASILICATE), 8, II. |
|---------------------------------|--------------------------------------------------------------------------------------------------------------------|

## 15. Regulatory Information

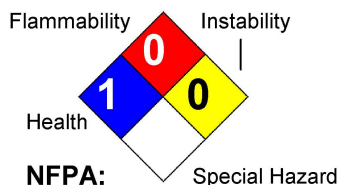
## 16. Other Information

**Revision Date:** 09/04/2024

**Hazard Rating System:**

|              |  |   |
|--------------|--|---|
| HEALTH       |  | 1 |
| FLAMMABILITY |  | 0 |
| PHYSICAL     |  | 0 |
| PPE          |  | F |

**HMIS:**



**Additional Information About** No data available.

**This Product:**

**Company Policy or**

**Disclaimer:**