

# SAFETY DATA SHEET

## AK Laundry Detergent

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Printed: 09/30/2024

Revision: 10/05/2023

Supersedes Revision: 09/09/2021

### 1. Product and Company Identification

**Product Code:** AK 451

**Product Name:** AK Laundry Detergent

**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:** Liquid Laundry Detergent

### 2. Hazards Identification

**Acute Toxicity:** Oral, Category 5

**Serious Eye Damage/Eye Irritation,** Category 2B

**GHS Signal Word:** Warning

**GHS Hazard Phrases:** H303 - May be harmful if swallowed.  
H320 - Can cause eye irritation.

**GHS Precaution Phrases:** P102 - Keep out of reach of children.

**GHS Response Phrases:** P301+310 - If swallowed: Immediately call a Poison Center or doctor.  
P305+351+338 - If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

**GHS Storage and Disposal Phrases:** P411+235 - Store in cool dry place at room temperature away from direct sunlight.  
P501 - Dispose of contents and container according to the local, city, state and federal regulations.

**Inhalation:** Not expected to be a problem.

**Skin Contact:** Not expected to be a problem.

**Eye Contact:** Causes eye irritation.

**Ingestion:** May be harmful if swallowed.

### 3. Composition/Information on Ingredients

CAS #	Hazardous Components (Chemical Name)	Concentration	
27176-87-0	Dodecylbenzenesulfonic acid	Proprietary	
68585-34-2	Poly(oxy-1,2-ethanediyl), .alpha.-sulfo-.omega.-hydroxy-, C10-16-alkyl ethers, sodium salts	Proprietary	
1310-73-2	Sodium hydroxide	Proprietary	
61789-40-0	Cocamidopropyl betaine	Proprietary	
64-02-8	Ethylenediamine tetraacetic acid, tetrasodium salt	Proprietary	

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### 4. First Aid Measures

#### Emergency and First Aid Procedures:

**In Case of Inhalation:** Not expected to be a problem.

**In Case of Skin Contact:** Wash off with soap and plenty of water.

**In Case of Eye Contact:** Rinse thoroughly with plenty of water for at least 15 minutes and consult a physician. Call a physician.

**In Case of Ingestion:** Never give anything by mouth to an unconscious person. Consult a physician. Wash out mouth with water provided person is conscious. Call a physician.

**Signs and Symptoms Of Exposure:** Vomiting, Diarrhea.

### 5. Fire Fighting Measures

**Flash Pt:** NE

**Explosive Limits:** LEL: N/A UEL: N/A

**Autoignition Pt:** NE

**Suitable Extinguishing Media:** Use water spray, dry chemical, carbon dioxide, or alcohol-resistant foam.

**Fire Fighting Instructions:** As in any fire, wear a self-contained breathing apparatus in pressure-demand, MSHA/NIOSH (approved or equivalent), and full protective gear.

**Flammable Properties and Hazards:** No data available.

**Hazardous Combustion Products:** No data available.

### 6. Accidental Release Measures

**Steps To Be Taken In Case Material Is Released Or Spilled:** Absorb with earth, sand or other non-combustible material and transfer to containers for later disposal.

### 7. Handling and Storage

**Precautions To Be Taken in Handling:** Avoid contact with skin and eyes.

**Precautions To Be Taken in Storing:** Keep container tightly closed in a dry and well-ventilated place.

**Other Precautions:** None.

### 8. Exposure Controls/Personal Protection

CAS #	Partial Chemical Name	OSHA TWA	ACGIH TWA	Other Limits
27176-87-0	Dodecylbenzenesulfonic acid	No data.	No data.	No data.
68585-34-2	Poly(oxy-1,2-ethanediyl), .alpha.-sulfo-.omega.-hydroxy-, C10-16-alkyl ethers, sodium salts	No data.	No data.	No data.
1310-73-2	Sodium hydroxide	PEL: 2 mg/m3	CEIL: 2 mg/m3	No data.
61789-40-0	Cocamidopropyl betaine	No data.	No data.	No data.
64-02-8	Ethylenediamine tetraacetic acid, tetrasodium salt	No data.	No data.	No data.

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### Personal Protective

#### Equipment Symbols:

**Respiratory Equipment (Specify Type):** None. Not expected to be a problem.

**Eye Protection:** None.

**Protective Gloves:** None.

**Other Protective Clothing:** None.

**Engineering Controls (Ventilation etc.):** No data available.

## 9. Physical and Chemical Properties

**Physical States:** [ ] Gas [ X ] Liquid [ ] Solid

**Appearance and Odor:** Purple color liquid with herbal fragrance.

**pH:** ~ 7.0 - 8.0

**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 UEL: N/A

**Vapor Pressure (vs. Air or mm Hg):** NE

**Vapor Density (vs. Air = 1):** NE

**Specific Gravity (Water = 1):** ~ 1.055

**Density:** ~ 8.80 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:** ~ 1,100 cps - 1,300 cps

**Particle Size:** NE

**Heat Value:** NE

**Corrosion Rate:** NE

## 10. Stability and Reactivity

**Stability:** Unstable [ ] Stable [ X ]

**Conditions To Avoid - Instability:** No data available.

**Incompatibility - Materials To Avoid:** Strong oxidizing agents.

**Hazardous Decomposition or Byproducts:** Carbon monoxide, Carbon dioxide.

**Possibility of Hazardous Reactions:** Will occur [ ] Will not occur [ X ]

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**Conditions To Avoid -** None.**Hazardous Reactions:**

### 11. Toxicological Information

**Toxicological Information:** 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

CAS# 64-02-8: Acute toxicity, LD50, Intraperitoneal, Mouse, 330.0 MG/KG. Result: Behavioral: Somnolence (general depressed activity). Kidney, Ureter, Bladder:Hematuria. Skin and Appendages: Other: Hair. ; Revue d'Epidemiologie, Medecine Sociale et Sante Publique., Masson Editeur, 120 Blvd. Saint-Germain, F-75280, Paris Cedex 06 France, Vol/p/yr: 10,391, 1962

**Carcinogenicity/Other Information:** 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.

ACGIH: No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by ACGIH.

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.

**Carcinogenicity:** NTP? No IARC Monographs? No OSHA Regulated? No

### 12. Ecological Information

**General Ecological Information:** 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

CAS# 64-02-8: Not reported., Green Algae (Scenedesmus quadricauda), 11000. UG/L, Population, Water temperature: 27.00 C C, pH: 7.00. Result: No observed effect. ; Limiting Values for the Damaging Action of Water Pollutants to Bacteria (Pseudomonas putida) and Green Algae (Scenedesmus quadricauda) in the Cell Multiplication Inhibition Test, Bringmann, G., and R. Kuhn, 1977

### 13. Disposal Considerations

**Waste Disposal Method:** Dispose of contents and container according to the local, city, state and federal regulations.

### 14. Transport Information

**LAND TRANSPORT (US DOT):**

**DOT Proper Shipping Name:** Not regulated as a hazardous material.

**DOT Hazard Class:**

**UN/NA Number:**

**LAND TRANSPORT (Canadian TDG):**

**TDG Shipping Name:** Not Regulated.

**MARINE TRANSPORT (IMDG/IMO):**

**IMDG/IMO Shipping Name:** Not Regulated.

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**AIR TRANSPORT (ICAO/IATA):****ICAO/IATA Shipping Name:** Not Regulated.

### 15. Regulatory Information

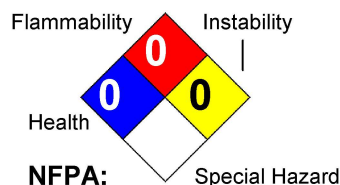
**EPA SARA (Superfund Amendments and Reauthorization Act of 1986) Lists**

CAS #	Hazardous Components (Chemical Name)	S. 302 (EHS)	S. 304 RQ	S. 313 (TRI)
27176-87-0	Dodecylbenzenesulfonic acid	No	Yes 1000 LB	No
68585-34-2	Poly(oxy-1,2-ethanediyl), .alpha.-sulfo-.omega.-hydroxy-, C10-16-alkyl ethers, sodium salts	No	No	No
1310-73-2	Sodium hydroxide	No	Yes 1000 LB	No
61789-40-0	Cocamidopropyl betaine	No	No	No
64-02-8	Ethylenediamine tetraacetic acid, tetrasodium salt	No	No	No

### 16. Other Information

**Revision Date:** 10/05/2023**Hazard Rating System:**

HEALTH		0
FLAMMABILITY		0
PHYSICAL		0
PPE		

**HMIS:****Additional Information About** No data available.**This Product:****Company Policy or****Disclaimer:**