



ULTRA-PAK, INC.

## Safety Data Sheet

## LIQUID DISH DETERGENT

### SECTION 1: Identification of the substance/mixture

#### Product identifier

Product Number: **CCLD72A, CCLD72B, CCLD144C, CCLD72D**  
Product Name: **Crystal Clean Liquid Dish Detergent**  
CAS: Mixture

#### Relevant identified uses of the substance or mixture and uses advised against

Recommended Use: A formulated mixture for consumer use. Dish soap.

#### Details of the supplier of the safety data sheet

Company name: Ultra-Pak, Inc.  
Full address: 210 Pennsylvania Ave, Greer, SC 29650  
Telephone number: (864) 655-3300  
E-mail address: info@ultrapakinc.com

#### Emergency telephone number

Chemical Information (8:30am-5pm (ET) M-F): (864) 655-3300  
Emergency telephone number: INFOTRAC #107367 1-800-535-5053

### SECTION 2: Hazards identification

#### Classification of the substance or mixture

##### According to Regulation (HCS) (29 CFR 1910.1200(g))

**GHS Classification:** EYE DAMAGE/ EYE IRRITATION- Category 2B  
SKIN CORROSION/IRRITATION – Category 3

#### Label elements:

##### According to Regulation (HCS) (29 CFR 1910.1200(g))

**Signal Word:** Warning

**Symbol:** None

**Hazard Statements:** Causes eye irritation – H320  
Causes mild skin irritation – H316

#### Precautionary Statements

**Prevention:** P264 - Wash hands thoroughly after handling.  
**Response:** P305+P351+P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.  
P337+P313 - If eye irritation persists: Get medical attention.  
P332+P313 – If skin irritation occurs: Get medical advice/attention.



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**Storage:** No other specific measures identified.

**Disposal:** See section 13 for waste disposal information

**Other hazards:** None known

### SECTION 3: Composition/information on ingredients

#### Substances

<i>Composition information – main constituents</i>				
IUPAC name	CAS number	Mol. Formula	Typical conc. (%w/w)	Conc. Range (%w/w)
Sodium Lauryl Ether Sulfate	9004-82-4	NaC <sub>12</sub> H <sub>25</sub> SO <sub>4</sub>	9%	5-20%
Ammonium Lauryl Ether Sulfate	32612-48-9	C <sub>12</sub> H <sub>29</sub> NO <sub>4</sub> S	6%	5-20%
Dodecyl Benzene Sulfonic Acid	27176-87-0	C <sub>18</sub> H <sub>30</sub> O <sub>3</sub> S	2%	1-5%
Alkyl Polyglucoside	68515-73-1	C <sub>16</sub> H <sub>32</sub> O <sub>6</sub>	1%	1-5%
Sodium Hydroxide	1310-73-2	NaOH	<1%	0.2-1%

### SECTION 4: First Aid Measures

#### Description of first aid measures

**Eye contact:** Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Get medical attention if irritation persists.

**Skin contact:** Rinse with water for a few minutes.

**Inhalation:** No special measures required. Treat symptomatically.

**Ingestion:** Get medical attention if symptoms occur.

**Notes to physician:** Treat symptomatically.

**Most important symptoms and effects, both acute and delayed:** Eye and/or skin contact may irritate and cause redness and pain. Symptoms may include stinging, burning, tearing, redness, swelling and blurred vision.

**Indication of any immediate medical attention and specific treatment needed:** When contacting a physician, take this SDS with you. Ensure medical personnel are aware of the material involved.

### SECTION 5: Fire-fighting Measures

**Suitable fire extinguishing media:** Use water, spray, fog, or foam.

**Specific hazards arising from the chemical:** None known.



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**Advice for Fire-Fighters:** Promptly isolate the scene by removing all persons from the vicinity of the incident if there is a fire. Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operate in positive pressure mode.

## SECTION 6: Accidental release measures

### Personal precautions, protective equipment and emergency procedures

**For non-emergency personnel:** Initiate company's spill response procedures immediately. Keep people and powered industrial vehicles out of the area. Don appropriate personal protective equipment (PPE; See Section 8). Do not walk through spilled material.

**For emergency responders:** Wear appropriate PPE: chemically protective gloves, clothing and full-face, air purifying respirator.

**Environmental:** Avoid contact of large amounts of spilled material and runoff with soil and surface waterways. Avoid discharge to drains.

**Methods for clean-up:** Dike spilled material with suitable absorbent material like clay or cloth pillows. Cover with inert, absorbent material and remove to disposal container. Spill area may be slippery. Flush with plenty of water.

## SECTION 7: Handling and storage

### Precautions for safe handling

**Advice on safe Handling:** Handle in accordance with good industrial hygiene and safety practice. Use personal protection recommended in section 8. For industrial and commercial use only. Avoid contact with skin, eyes or clothing.

**Conditions for safe storage, including any incompatibilities:** Keep out of reach of children. Keep container tightly closed. Store at controlled room temperature at 20–25 °C (68-77°F).

**Specific end use(s):** Soap for dishes.

## SECTION 8: Exposure controls/personal protection

### Control parameters

Chemical Name	ACGIH		OSHA PEL	
	TWA	STEL	TWA	STEL
Sodium Lauryl Ether Sulfate	--	--	--	--
Ammonium Lauryl Ether Sulfate	--	--	--	--
Dodecyl Benzene Sulfonic Acid	--	--	--	--
Alkyl Polyglucoside	--	--	--	--
Sodium hydroxide	2 ppm	NA	2 mg/m <sup>3</sup>	NA

**Exposure Guidelines:** This product as supplied, does not contain any hazardous materials with occupational exposure limits established by the region specific regulatory bodies.



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**Appropriate engineering controls:** Good general ventilation should be sufficient to control worker exposure to airborne contaminants.

**Individual protection measures such as personal protection equipment**

**Eye / face protection:** No protective equipment is needed under normal use conditions.

**Skin and body protection:** No protective equipment is needed under normal use conditions.

**Respiratory protection:** Under normal conditions, a respirator is not normally required.

**General hygiene considerations:** Handle in accordance with good industrial hygiene and safety practice.

### SECTION 9: Physical and chemical properties

#### Information on basic physical and chemical properties

Physical state:	Liquid
Color:	Various, primarily green or blue
Odor:	Floral or Citrus or Fruit
pH:	6-9 (100%)
Melting point:	Not Applicable
Boiling point:	>100°C (>212°F)
Flash point:	>100°C
Evaporation rate:	Not available
Flammability:	Not available
Upper/lower flammability or explosive limits:	No available
Vapour pressure:	Not available
Vapour density:	Not available
Relative density:	Not available
Solubility (ies) in water (T = 20 °C):	Miscible in water
Partition coefficient: n-octanol/water:	Not available
Auto-ignition temperature:	Not available
Decomposition temperature:	Not available
Viscosity:	300 cps – 1000 cps
Explosive properties:	Not available
Oxidising properties:	Not available

### SECTION 10: Stability and reactivity

**Reactivity:** None known.

**Stability:** The product is stable.

**Possibility of hazardous reactions:** Under normal conditions, storage, and use, hazardous reactions will not occur.

**Conditions to avoid:** Incompatible materials.



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**Materials to avoid:** Avoid contact with strong oxidizing agents.

**Hazardous decomposition products:** Under normal conditions of storage and use, hazardous decomposition products should not be produced.

## SECTION 11: Toxicological information

**Route(s) of exposure:** Skin contact, Eye contact, Inhalation, Ingestion.

### Product information

- Eye contact:** Avoid contact with eyes.
- Skin contact:** Avoid contact with skin.
- Inhalation:** Avoid breathing vapors or mist.
- Ingestion:** May be harmful if swallowed.

### Acute toxicity

- Eye contact:** Causes eye irritation
- Skin contact:** No known significant effects or critical hazards. May cause irritation.
- Inhalation:** No specific data
- Ingestion:** No specific data

Acute Toxicity:

<b>Toxicological Data</b>				
<b>IUPAC name</b>	<b>CAS number</b>	<b>LD50 – Oral Rat</b>	<b>LC50 – Inhalation - Rat</b>	<b>LD50 – Dermal Rat</b>
Sodium Lauryl Ether Sulfate	9004-82-4	1288 mg/kg (RTECS)	>3900 mg/m <sup>3</sup> 1 h	580 mg/kg Rabbit
Ammonium Lauryl Ether Sulfate	32612-48-9	ND	ND	ND
Dodecyl Benzene Sulfonic Acid	27176-87-0	1080 - 1980 mg/kg	ND	> 2000 mg/kg Rabbit
Alkyl Polyglucoside	68515-73-1	>5000 mg/kg	21.7 mg/L	ND
Sodium Hydroxide	1310-73-2	300 – 500 mg/kg (30-54% caustic)	NA	28,421 mg/kg (5% caustic)

Carcinogenicity:

<b>Carcinogenicity Data</b>				
<b>IUPAC name</b>	<b>CAS number</b>	<b>IARC</b>	<b>NTP</b>	<b>OSHA</b>
Sodium Lauryl Ether Sulfate	9004-82-4	Not listed	Not listed	Not listed
Ammonium Lauryl Ether Sulfate	32612-48-9	Not listed	Not listed	Not listed



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Dodecyl Benzene Sulfonic Acid	27176-87-0	Not listed	Not listed	Not listed
Alkyl Polyglucoside	68515-73-1	Not listed	Not listed	Not listed
Sodium Hydroxide	1310-73-2	Not listed	Not listed	Not listed

### Chronic Toxicity

<b>Carcinogenicity:</b>	No known significant effects or critical hazards.
<b>Mutagenicity:</b>	No known significant effects or critical hazards.
<b>Teratogenicity:</b>	No known significant effects or critical hazards.
<b>Developmental effects:</b>	No known significant effects or critical hazards.
<b>Fertility effects:</b>	No known significant effects or critical hazards.

## SECTION 12: Ecological information

**Ecotoxicity:** This product is not classified as environmentally hazardous. However, this does not exclude the possibility that large or frequent spills can have a harmful or damaging effect on the environment.

**Persistence and degradability:** This material is expected to biodegrade; however, no specific data is available on the mixture.

**Bioaccumulative potential:** This product is not expected to bioaccumulate.

**Mobility in soil:** Expected to partition to water and transport readily.

**Results of PBT and vPvB assessment:** No specific data are available for this mixture.

**Other adverse effects:** No known significant effects or critical hazards.

## SECTION 13: Disposal considerations

**Disposal methods:** Dispose of waste and residues in accordance with local, state and federal requirements. Generally this material can be considered an industrial, non-hazardous waste.





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IARC – International Agency for Research on Cancer  
NA – Not Available  
NTP – National Toxicological Program  
OSHA – Occupational Safety and Health Administration  
PEL – Permissible Exposure Limit  
ppm – parts per million  
RCRA – Resource Conservation and Recovery Act  
RTECS - Registry of Toxic Effects of Chemical Substances  
SARA – Superfund Amendments and Reauthorization Act  
TLV – Threshold Limit Value  
TSCA – Toxic Substances Control Act  
IDLH – Immediately Dangerous to Life and Health

### Key literature references and sources of data

LabChem, Sodium Hydroxide, 5% w/v, 10/16/13  
Fisher Science Education, Sodium Hydroxide, 0.05N (0.5M), 4/12/13  
Olin Chlor Alkali Products, Sodium Hydroxide 30-54%, 12/20/13  
United Nations, Globally Harmonized System of Classification and Labelling of Chemicals (GHS), 5<sup>th</sup> ed.

### Disclaimer

The information on this data sheet reflects the currently available knowledge and is reliable provided that the product is used under the prescribed conditions and in accordance with the application specified on the packaging and/or in the technical guidance literature. Any other use of the product, including the use of the product in combination with any other product or any other process, is the responsibility of the user. It is implicit that the user is responsible for determining appropriate safety measures and for applying the legislation covering his/her own activities.