ULTRA-PAK, INC.

Safety Data Sheet | LIQUID DISH DETERGENT

SECTION 1: Identification of the substance/mixture

Product identifier

Product Number: **CCLD72A, CCLD72B, CCLD144C, CCLD72D, CCLD72F**
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: 108 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.

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

Composition information – main constituents				
IUPAC name	**CAS number**	**Mol. Formula**	**Typical conc. (%w/w)**	**Conc. Range (%w/w)**
Sodium Lauryl Ether Sulfate	9004-82-4	$NaC1_2H_{25}SO_4$	9%	5-20%
Ammonium Lauryl Ether Sulfate	32612-48-9	$C_{12}H_{29}NO_4S$	6%	5-20%
Dodecyl Benzene Sulfonic Acid	27176-87-0	$C_{18}H_{30}O_3S$	2%	1-5%
Alkyl Polyglucoside	68515-73-1	$C_{16}H_{32}O_6$	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.

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 ware 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 ºC (68-77ºF).

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^3	NA

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

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.

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:

Toxicological Data				
IUPAC name	**CAS number**	**LD50 – Oral Rat**	**LC50 – Inhalation - Rat**	**LD50 – Dermal Rat**
Sodium Lauryl Ether Sulfate	9004-82-4	1288 mg/kg (RTECS)	>3900 mg/m^3 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:

Carcinogenicity Data				
IUPAC name	**CAS number**	**IARC**	**NTP**	**OSHA**
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

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

Carcinogenicity: No known significant effects or critical hazards.

Mutagenicity: No known significant effects or critical hazards.

Teratogenicity: No known significant effects or critical hazards.

Developmental effects: No known significant effects or critical hazards.

Fertility effects: 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.

SECTION 14: Transport information

Please see current shipping paper for most up to date shipping information, including exemptions and special circumstances.

DOT

DOT Classification Not regulated.

IMO/IMDG

IMO/IMDG Classification Not regulated.

IATA

IATA Classification Not regulated.

SECTION 15: Regulatory information

U.S. Federal regulations

TSCA 8 (b) inventory: All components are listed or exempted.
SARA 302/304/311/312 extremely hazardous substances: No listed substance
SARA 302/304 emergency planning and notification: No listed substance

SARA 313	Product Name	CAS number	Concentration
Form R- Reporting Requirements:	No listed substance		

CERCLA Reportable Quantity: Sodium Hydroxide – 1,000 lbs

California Prop. 65: No listed substance

SECTION 16: Other information

Abbreviations and acronyms

ACGIH - American Conference of Governmental Industrial Hygienists
CAS - Chemical Abstract Service Number
CERCLA – Comprehensive Environmental Response, Compensation, and Liability Act
DOT – US Department of Transportation

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), 5th 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.