

SAFETY DATA SHEET

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SECTION 1 - PRODUCT INFORMATION

PRODUCT NAME: LLD Laundry Detergent
SDS#: 842
CHEMICAL NAME: Mixture
CAS NUMBER: Mixture
PRODUCT USE: Laundry detergent

PREP. DATE: 2/5/14
REV. DATE: 8/24/15

SECTION 2 - HAZARD IDENTIFICATION

Signal Word: WARNING

GHS Classifications: Skin Corrosion/Irritation; Category 2, Serious Eye Damage/Irritation; Category 2A

Appearance & Odor: Clear blue liquid. Floral odor.

Primary Routes of Exposure: Skin and Eyes.

Health Hazard Warnings: Can cause eye irritation. Prolonged or repeated skin contact may cause irritation or dermatitis.

Inhalation: Prolonged or repeated overexposure to mists may cause upper respiratory tract irritation.

Skin Contact: Prolonged or repeated overexposure to liquid may cause moderate irritation, redness, and scaling of the skin (dermatitis).

Eye Contact: Contact with eyes can cause moderate to severe irritation, excess redness and swelling of the eye with injury to the cornea.

Ingestion: May cause irritation and discomfort in the form of nausea and vomiting.



SECTION 3 - COMPOSITION/INFORMATION ON INGREDIENTS

<u>CHEMICAL NAME</u>	<u>CAS REGISTRY NO.</u>	<u>PERCENT</u>	<u>EXPOSURE LIMITS</u>
Benzenesulfonic acid, sodium salt	68081-81-2	5-10	None established
Alcohols, C9-11, ethoxylatede	68439-46-3	1-5	None established
Ethanol	64-17-5	<1	STEL 1000 ppm
Sodium Gluconate	527-07-1	1-5	15 mg/cu. m
Monoethanolamine	141-43-5	1-5	TWA 3 ppm
Sodium laureth sulfate	9004-82-4	1-5	None established

SECTION 4 - FIRST AID MEASURES

Eyes: Immediately wash eyes with water for 10-15 minutes. Hold eyelids apart and roll eyes up and down to assure complete washing. Seek medical attention.

Skin: Thoroughly flush the affected area with plenty of water while removing contaminated clothing and equipment. Wash with water for at least 15 minutes.

Inhalation: Immediately move the patient to fresh air and call a physician. If breathing is difficult, give oxygen. If not breathing, begin artificial respiration.

Ingestion: If swallowed, call a physician immediately. Only induce vomiting at the instruction of a physician. Never give anything by mouth to an unconscious person.

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SECTION 4 - FIRST AID MEASURES (CONT.)

Other Specific Instructions: In the event of exposure, seek medical attention immediately. Do not give chemical antidotes unless directed to do so by the physician.

SECTION 5 - FIRE FIGHTING MEASURES

Flash Point: > 250 °F

Auto Ignition: No data available

Explosive Limits; UEL/LEL: No data available

Extinguishing Agents: Use water spray, dry chemical, carbon dioxide, or foam extinguishing agents.

Fire & Explosion Hazards: As in any fire prevent human exposure to fire, smoke, fumes or products of combustion. Firefighters should wear recommended exposure control equipment including a self-contained breathing apparatus.

Hazardous Combustion Products: Thermal decomposition produces oxides of carbon and sulfur.

SECTION 6 - ACCIDENTAL RELEASE MEASURES

Personal Protective Equipment: Appropriate protective equipment must be worn when handling a. See Section 8 - Exposure Control, for recommendations.

Spill or Leak Information: Absorb spill material with an inert material (i.e. vermiculite, soil, etc.). Flush spill area with plenty of water to a chemical sewer. Collect water for proper disposal.

SECTION 7 - HANDLING AND STORAGE

Handling Conditions: Material foams profusely with water. Mix to reconstitute if separation occurs. Emptied container may retain product residues. Follow all warnings and precautions even after container is emptied.

Storage Conditions: Keep container tightly closed when not in use. Prevent material from freezing, store above 32 °F.

SECTION 8 - EXPOSURE CONTROL

Eye Protection: Use safety glasses. Chemical goggles should be used if splashing may occur.

Skin Protection: Skin contact with material should be minimized through the use of suitable impervious gloves. Nitrile or neoprene gloves are recommended.

Respiratory Protection: Not required under normal handling conditions.

Ventilation: Good general ventilation in addition to local exhaust ventilation should be provided.

Other Protective Equipment: Safety showers and eye wash stations where material is being handled. Wash hands and face before eating, using tobacco products or using the washroom. Smoke or eat only in designated areas. Take a warm shower and change clothing daily. Clothing and shoes used while handling this material should not be worn or taken away from the workplace.

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SECTION 9 - PHYSICAL AND CHEMICAL PROPERTIES

Appearance: Clear blue liquid

Odor: Floral

Melting Point: No data available

Boiling Point: No data available

Evaporation Rate (butyl acetate=1): < 1

pH: 8 ± 0.5

Vapor Pressure: No data available

Vapor Density (Air=1): >1

Specific Gravity/Density ±0.005: 1.02 g/ml / 8.492 g/cu. cm

Solubility in Water: Soluble

SECTION 10 - STABILITY AND REACTIVITY

Stability: Stable under normal conditions of storage and handling.

Incompatibility: Avoid strong oxidizers.

Polymerization: Not expected to occur.

Decomposition: When heated to decomposition, will emit carbon and sulfur oxides.

SECTION 11 - TOXICOLOGICAL INFORMATION

Acute Data: The information shown in Section 3 - Hazard Identification, is based on toxicity profiles of similar materials or on the components present in this material.

Benzenesulfonic acid, sodium salt:

Oral Toxicity: LD₅₀ (rat): 1260 mg/kg

Eye Irritation: Rabbit: Severely irritating

Sodium gluconate: Oral: LD₅₀ (rat) >2000 mg/kg

Monoethanolamine: Oral: LD₅₀ (rat) 1720 mg/kg Skin: LD₅₀ (rabbit) 1000 mg/kg Inhalation: LC₅₀ (rat) 1210 ppm

Alcohols, C9-11, ethoxylated: Oral: LD₅₀ (rat) >2000 mg/kg Skin: LD₅₀ (rat) 3,300 mg/kg

Sensitization: Material is not known to cause sensitization.

Carcinogenicity/Mutagenicity: Material contains: Ethanol, considered an animal carcinogen with unknown relevance to humans according to ACGIH

Teratogenicity/Reproductive Toxicity: Material is not known to cause teratogenicity or reproductive toxicity.

SECTION 12 - ECOLOGICAL INFORMATION

Ecotoxicity:

Sodium gluconate: 96h LC₅₀ (fish) >1000 mg/L, 48h LC₅₀ (daphnid) >1000 mg/l, 96h EC₅₀ (green algal) >1000 mg/L

Alcohols, C9-11, ethoxylated: LC₅₀ (96h): 6mg/l (fathead minnow), LX₅₀ (96h): 5-7 mg/l (rainbow trout), EC₅₀ (48h): 2.5mg/l (daphnia), EC₅₀: 0.95 mg/l (algae)

Sodium laureth sulfate: EC₅₀ (48h) 2.43 – 4.01 mg/l (water flea)

Ethanol: EC₅₀ (48h) 7.7 - 11.2 mg/l (water flea), LC₅₀ (96h): > 100 mg/l (fathead minnow)

Ecological Toxicity: Similar materials have been demonstrated to be readily biodegradable in waste water treatment systems.

SECTION 13 - DISPOSAL CONSIDERATIONS

Waste Disposal: This product as supplied is considered non-hazardous as defined by RCRA. Dispose of in accordance with local, state and federal regulations.

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SECTION 14 - TRANSPORT CONSIDERATIONS

Shipping Description: Not regulated by DOT

SECTION 15 - REGULATORY CONSIDERATIONS

OSHA Regulatory Status: This product is a hazardous chemical under 29 CFR 1910.1200

SARA Title III

Section 311/312: This product is a hazardous chemical under 29 CFR 1910.1200, and is categorized as an immediate health hazard.

Section 313: This product contains the following chemicals subject to 313 reporting:

None above De Minimis limit

CERCLA: Sodium dodecylbenzenesulfonate 25155-30-0; (< 17% Conc.)

Pennsylvania Right-to-Know: Sodium dodecylbenzenesulfonate 25155-30-0; Environmental

Ethanol 64-17-5

New Jersey Right-to-Know: Ethanol 64-17-5

California Proposition 65: Not applicable

Chemical Control Law Status: This product is in compliance with the inventory requires of the Chemical Control Laws in the following countries: U.S. Toxic Substance Control Act (TSCA) Chemical Substance Inventory, DSL (Canada), MITI/ENCS (Japan), AICS (Australia), EINECS (EC), ECL (Korea), PICCS (Philippines), and NEPA (PR China).

WHMIS Ingredient Disclosure List: Sodium dodecylbenzenesulfonate 25155-30-0

HMIS Health Rating: 1 HMIS Fire Rating: 0

HMIS Reactivity Rating: 0 HMIS Other: NA

SECTION 16 - OTHER INFORMATION

Emergency Phone No.: **INFOTRAC 800-535-5053**

Last Revised: 8/24/15

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