



SAFETY DATA SHEET

1. Product and Company Identification

Product Name	LIQUID LAUNDRY DETERGENT
Product Number	829
Product Type	Mixture
Product Use	Commercial laundry detergent
Manufacturer/Supplier	National Purity, LLC. 6840 Shingle Creek Parkway, Suite #23 Brooklyn Center, MN 55430
Company Contact	612-672-0022
Emergency Telephone Number	1-800-255-3924

2. Hazards Identification

GHS Classification in accordance with 29 CFR 1910 OSHA HCS

Acute toxicity, Oral (Category 5) H303,
Skin irritation, (Category 3) H316
Eye irritation, (Category 2B) H320
Respiratory irritation (Category 3) H335
Acute aquatic toxicity, (Category 3) H402
Chronic aquatic toxicity, (Category 3) H412

GHS Label elements, including precautionary statements

Pictogram None required

Signal word Warning

Hazard Statements

H303 May be harmful if swallowed .
H316 Causes mild skin irritation.
H320 Causes eye irritation.
H335 May cause respiratory irritation
H412 Harmful to aquatic life with long lasting effects

Precautionary Statements

Prevention

P264 Wash hands thoroughly after handling concentrated product. Avoid hand contact with eyes.

P261 Avoid breathing mist/vapors of product.

P273 Avoid release to the environment.

Response

P312 IF SWALLOWED, call a POISON CENTER/doctor if feeling unwell.

P332+P313 If skin irritation occurs, get medical attention.

P305+P351+P337+P313 IF IN EYES, rinse cautiously for several minutes. Remove contact lenses if present. Continue rinsing. If eye irritation persists, Get medical advice and attention

P304+P340+P312 IF INHALED: remove person to fresh air and keep comfortable for breathing. Call a POISON CENTER/doctor if having difficulty breathing or feeling unwell.

Storage/Disposal

P501 Dispose of contents/container in accordance with local/regional/federal regulations.



3. Composition/Information on Ingredients

The criteria for listing components in this section are: Ingredients that meet the criteria for carcinogenic, toxic to reproduction, or specific target organ toxicity and components otherwise considered hazardous according to OSHA which exceed the cut off limits for SDS specified by the criteria for mixtures are listed. Non hazardous components are not listed. This is not a composition disclosure. Exact percentages are considered proprietary and a trade secret.

Hazardous Components	CAS#	Classification	%
Alkyl(C10-C16) ether sulfate, sodium salt	68585-34-2	H316, H320, H335, H402	8-10%
Lauryl glucoside	110615-47-9	H303, H316, H320	1-3%
Cocoamidpropyl betaine	61789-40-0	H315, H319, H412	1-3%

4. First Aid Measures

Description of First Aid Procedures

General Advice	Consult a physician. Show this SDS to the doctor.
In Case of Eye Contact	Flush with cool running water for 15 minutes. Remove contact lenses if present. Get immediate medical attention.
In Case of Skin Contact	Flush with cool water. If irritation occurs, get medical attention. Prolonged contact with the concentrated product may lead to minor irritation and dryness.
If Ingested	Rinse mouth with water. Do not induce vomiting. Obtain immediate medical attention. Never give anything by mouth to an unconscious person.
If Inhaled	Move person to fresh air. If breathing difficulty occurs, consult a physician.
Notes to Physician	Symptoms may be delayed.
General advice	Seek medical attention if feeling unwell. Show the SDS to the physician in attendance.

5. Fire-fighting Measures

Flammable properties	None
Extinguishing media	Use methods appropriate to the source of the fire.
Protection of firefighters	Firefighters should wear protective clothing including self contained breathing apparatus
Hazardous combustion products	May include and not limited to oxides of carbon and nitrogen.
Unusual Fire, Explosion hazards	Containers may melt or rupture from heat of fire.

6. Accidental Release Measures

Personal precautions	Keep unnecessary personal away. Do not touch or walk through spilled material. Do not touch damaged containers or spilled containers unless wearing protective Clothing.
Methods for containment	Stop leak if you can do so without risk. Prevent entry into waterways, sewers.
Methods for cleaning up	Before attempting clean up, refer to hazard data given above. Small spills, may be mopped up and rinsed. Large spills, dike area to prevent from spreading. Absorb with non reactive absorbent and place in suitable, covered, and labeled container. Rinse area with water. Never return spill to original container.
Environmental precautions	Avoid spills. Keep out of waterways.

7. Handling and Storage

Precautions for Safe Handling	Use good industrial hygiene practices when handling this material.
Conditions for Safe Storage	Keep container closed when not in use. Store locked up.



8. Exposure Controls and Personal Protection

Exposure Limits			
Ingredients	CAS#	OSHA PEL	ACGIH TLV
Alkyl (C10-C16) ether sulfate Sodium salt	68585-34-2	Not available	Not available
Lauryl glucoside	110615-47-9	Not available	Not available
Cocoamidopropyl betaine	61789-40-0	Not available	Not available
Engineering controls	General ventilation normally adequate.		
Personal protective equipment			
Eye/Face protection	Normally not required. Have suitable eye wash water available.		
Hand protection	Wear rubber or neoprene gloves if hand contact is likely.		
Skin and body	Generally not required.		
Respiratory protection	Use a NIOSH approved respirator when exposure guidelines are exceeded.		
General hygiene considerations	Handle in accordance with good industrial hygiene practices.		

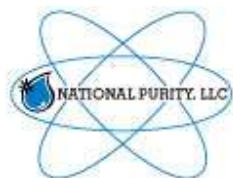
9. Physical and Chemical Properties

Information on basic physical and chemical properties	
Appearance/form	Clear liquid
Color	Blue
Odor	Lemon
Odor threshold	Not established
pH	10.6 (1 % solution)
Melting/freezing point	Not established
Initial Boiling point	Not established
Flash point	> 200° F. (93° C.)
Evaporation rate	< 1 (butyl acetate = 1)
Flammability	Not flammable
Upper/lower flammability or Explosive limits	Not applicable
Vapor pressure	Not established
Vapor density	Not established
Specific gravity/density	1.01-1.03
Solubility in water	Complete
VOC	< 1%
% Volatile	Approx. 78%

Other Safety Information

10. Stability and Reactivity

Reactivity	
Chemical Stability	Stable under normal storage conditions.
Hazardous reactions	None known.
Conditions to avoid	Do not mix with other chemicals.
Incompatible materials	Strong acids, alkalis, strong oxidizing agents.
Hazardous decomposition products	May include but not limited to oxides of carbon, and nitrogen.
Hazardous polymerization	Will not occur



11. Toxicological Information

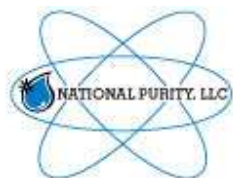
Ingredients	LC50
Alkyl(C10-C16) ether sulfate, sodium salt	Not available
Lauryl glucoside	Not available
Cocoamidopropyl betain	Not available
Ingredients	LD50
Alkyl(C10-C16) ether sulfate, sodium salt	> 2000 mg/kg (oral-rat), >2000 mg/kg (dermal rabbit)
Lauryl glucoside	> 2000 mg/kg (oral-rat),
Cocoamidopropyl betaine	2335 mg/kg (oral-rat), > 2000 mg/kg (dermal-rabbit)
Eye	May cause eye irritation.
Skin	Prolonged contact with concentrated product may cause dryness, irritation.
Ingestion	May be harmful if swallowed. May cause irritation of gastrointestinal tract.
Inhalation	May cause respiratory irritation of nose and throat.
Sensitization	Not known to be a sensitizer.
Chronic effects of short and long Term exposure	Prolonged exposure to skin may cause drying, defatting and irritation.
Carcinogenicity	Does not contain ingredients considered carcinogenic by NTP, IARC or OSHA.
Mutagenicity	Non hazardous.
Reproductive effects	Non hazardous.
Teratogenicity	Non hazardous.

12. Ecological Information

Eco-toxicity	Ecological effects for this product have not been analyzed. However, if spilled this products ingredients are harmful to aquatic life and may have long lasting effects.
Alkyl(C10-C16) ether sulfate Sodium salt	EC50 Water flea: 2.33-4.81 mg/l 48 hours, LC50 Fish: 2.3 mg/l 96 hours
Lauryl glucoside	LC50 Carp: 300 mg/l 24 hours
Cocamidopropyl betaine	EC50 Crustacea: 1.9 mg/l 48 hours LC50 Fish: 0.7-7 mg/l 96 hours
Environmental effects	Not Available
Aquatic toxicity	Not Available
Persistence and Degradability	Not available
Bioaccumulation/accumulation	Not Available
Partition coefficient	Not Available
Mobility in environmental media	Not Available
Chemical fate information	Not Available
Other adverse effects	Not Available

13. Disposal Considerations

Waste codes	Not Available
Disposal instructions	Dispose in accordance with local, state, and federal regulations
Wastes from residues/unused product	Containerize. Rinse area with water. Keep out of storm sewer/waterways.
Contaminated packaging	Dispose in accordance with all applicable regulations.



14. Transport Information

Basic shipping requirements: Not DOT regulated
Proper shipping name:
Hazard class
UN number
Packing group
Special provisions
Packaging exceptions

15. Regulatory Information

U.S federal regulations This product has been classified in accordance with the Occupational Safety and Health Administration hazard criteria and the SDS contains all of the information required by OSHA. HCS 2012

TSCA All ingredients are listed on the Toxic Substances Control Act

SARA Title III Section 311&312 Immediate (Acute) Health Hazard
SARA Title III Section 313 Alkyl(C10-C16) ether sulfate, sodium salt is subject to the reporting requirements of section 313 of Title III SARA.

Warning
Proposition 65 This product contains trace amounts of chemicals known to the state of California to cause cancer : Ethylene oxide CAS#75-21-8 , 1-4 Dioxane CAS#123-91-1, ethanol CAS# 64-17-5.

Inventory Status	Inventory Name	On Inventory (Yes/No)*
Countries		
U.S.	CIL	Yes
Canada	DSL	Yes

- A "Yes" indicates that all of the components of this product comply with the inventory requirements administered by the governing country(s) listed.

16. Other Information

HMIS RATING

HMIS Legend

Severe	4	Health	1
Serious	3	Flammability	0
Moderate	2	Reactivity	0
Slight	1	Personal Protection	0
Minimal	0		



NATIONAL PURITY, LLC.
6840 SHINGLE CREEK PKWY, STE 23
BROOKLYN CENTER, MN 55430
(612) 672-0022

Disclaimer

To the best of our knowledge, the information included herein is accurate. However, neither the above named supplier nor any of its subsidiaries assume any liability whatsoever for the accuracy or completeness of the information contained herein. Final determination of the suitability of any material is the responsibility of the user. All materials may present unknown hazards and should be used with caution. Although certain hazards are described herein, we cannot guarantee that these are the only hazards that exist.

Issue date

February 5, 2015

Supersedes date

Previous issues

Reason for update

Conform to GHS OSHA HCS 2012

Expiration date

February 5, 2018