

SAFETY DATA SHEET

1. Product and Company Identification

Product Name	FRESH WASH LIQUID DETERGENT
Product Number	200
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 following are criteria for listing in this section: 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. Nonhazardous 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%
Cocamidpropyl 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 nonreactive 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
Cocamidopropyl 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	Not reactive under normal use or storage.
Chemical Stability	Stable under normal storage conditions.
Hazardous reactions	None known.
Conditions to avoid	Do not mix with other chemicals.
Incompatible materials	Strong acids, alkalais, 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

Alkyl(C10-C16) ether sulfate, sodium salt
 Lauryl glucoside
 Cocamidopropyl betaine

LC50

Not available
 Not available
 Not available

Ingredients

Alkyl(C10-C16) ether sulfate, sodium salt
 Lauryl glucoside
 Cocamidopropyl betaine

LD50

> 2000 mg/kg (oral-rat), >2000 mg/kg (dermal rabbit)
 > 2000 mg/kg (oral-rat),
 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

Prolonged exposure to skin may cause drying, defatting and irritation.

Term exposure

Carcinogenicity

Does not contain ingredients considered carcinogenic by NTP, IARC or OSHA.

Mutagenicity

Nonhazardous.

Reproductive effects

Nonhazardous.

Teratogenicity

Nonhazardous.

12. Ecological Information

Eco-toxicity

Ecological effects for this product have not been analyzed. However, if spilled this product's ingredients are harmful to aquatic life and may have long lasting effects.

Alkyl(C10-C16) ether sulfate

EC50 Water flea: 2.33-4.81 mg/l 48 hours

sodium salt

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
CA 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		

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.

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Supersedes date

Previous issues

Reason for update

Conform to GHS OSHA HCS 2012