

Safety Data Sheet

Uncle B's Laundry Soap

Precautionary statement(s)

P280

P305+P351+P338

Wear protective gloves/protective clothing/eye protection/face protection.
IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do. Continue rinsing.

SECTION 3: Composition/information on ingredients

Mixtures

Hazardous components

Component	Concentration
SODIUM HYDROXIDE/ WATER 50/50 SOLUTION (CAS no.: 1310-73-2; EC no.: 215-185-5; Index no.: 011-002-00-6) (Weight)	<= 1 %
CLASSIFICATIONS: Eye damage/irritation (chapter 3.3), Cat. 1; Hazardous to the aquatic environment - acute hazard (chapter 4.1), Cat. 3; Hazardous to the aquatic environment - long-term hazard (chapter 4.1), Cat. 3; Skin corrosion/irritation (chapter 3.2), Cat. 1A. HAZARDS: No data available.	
NP-9 (CAS no.: 9016-45-9)	<= 30 % (Weight)
CLASSIFICATIONS: Acute toxicity, oral (chapter 3.1), Cat. 4; Acute toxicity, inhalation (chapter 3.1), Cat. 4; Eye damage/irritation (chapter 3.3), Cat. 1. HAZARDS: H302+H332 - Harmful if swallowed or if inhaled; H318 - Causes serious eye damage.	
Mixed Surfactant...Trade Secret	Not specified
CLASSIFICATIONS: No data available. HAZARDS: No data available.	

SECTION 4: First-aid measures

Description of necessary first-aid measures

General advice

Never give anything by mouth to an unconscious person. If you feel unwell, seek medical advice (show the label if possible).

If inhaled

Remove to fresh air and keep at rest in a position comfortable for breathing. Obtain medical attention if breathing difficulty persists.

In case of skin contact

Remove contaminated clothing. Drench affected area with water or soap and water for at least 15 minutes. Wash contaminated clothing before reuse. Obtain medical attention if irritation develops or persists.

In case of eye contact

Rinse cautiously with water for at least 15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Obtain medical attention if irritation develops or persists.

If swallowed

Wash out mouth with water. Remove victim to fresh air and keep at rest in a position comfortable for breathing. If material has been swallowed and the exposed person is conscious, give small quantities of water to drink. Stop if the exposed person feels sick as vomiting may be dangerous. Do not induce vomiting unless directed to do so by medical personnel. If vomiting occurs, the head should be kept low so that vomit does not enter the lungs. Get medical attention following exposure or if feeling unwell. If necessary, call a poison center or physician. Never give anything by mouth to an unconscious person. If unconscious, place in recovery position and get medical attention immediately. Maintain an open airway.

Personal protective equipment for first-aid responders

See Section 8 for exposure and PPE recommendations

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Most important symptoms/effects, acute and delayed

No data available.

Indication of immediate medical attention and special treatment needed, if necessary

No data available.

SECTION 5: Fire-fighting measures

Suitable extinguishing media

Suitable Extinguishing Media: Use an extinguishing agent suitable for the surrounding fire.

Unsuitable Extinguishing Media: No specific treatment

Specific hazards arising from the chemical

Fire Hazard: Not considered flammable but may burn at high temperatures.

Explosion Hazard: Product is not explosive.

Special protective actions for fire-fighters

Precautionary Measures Fire: Exercise caution when fighting any chemical fire. Under fire conditions, hazardous fumes will be present.

Firefighting Instructions: Use water spray or fog for cooling exposed containers. In case of major fire and large quantities: Evacuate area. Fight fire remotely due to the risk of explosion.

Protection During Firefighting: Do not enter fire area without proper protective equipment, including respiratory protection.

Hazardous Combustion Products: Carbon oxides (CO, CO₂).

Further information

No data available.

SECTION 6: Accidental release measures

Personal precautions, protective equipment and emergency procedures

General Measures: Avoid all contact with skin, eyes, or clothing. Avoid breathing (vapor, mist, spray).

For Non-Emergency Personnel

Protective Equipment: Use appropriate personal protection equipment (PPE).

Emergency Procedures: Evacuate unnecessary personnel.

For Emergency Personnel

Protective Equipment: Equip cleanup crew with proper protection.

Emergency Procedures: Upon arrival at the scene, a first responder is expected to recognize the presence of dangerous goods, protect oneself and the public, secure the area, and call for the assistance of trained personnel as soon as conditions permit.

Environmental precautions

May be harmful to the environment if released in large quantities. Avoid dispersal of spilled concentrate material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air). Water polluting material in concentrate

Methods and materials for containment and cleaning up

For Containment: Contain any spills with dikes or absorbents to prevent migration and entry into sewers or streams.

Methods for Cleaning Up: Clear up spills immediately and dispose of waste safely. Spills should be contained with mechanical barriers. Transfer spilled material to a suitable container for disposal. Contact competent authorities after a spill.

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Reference to other sections

See Heading 8. Exposure controls and personal protection. For further information refer to section 13.

SECTION 7: Handling and storage

Precautions for safe handling

Hygiene Measures: Handle in accordance with good industrial hygiene and safety procedures. Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work.

Conditions for safe storage, including any incompatibilities

Technical Measures: Comply with applicable regulations.

Storage Conditions: Store in a dry, cool and well-ventilated place. Keep container closed when not in use. Keep/Store away from direct sunlight, extremely high or low temperatures and incompatible materials.

Incompatible Materials: None classified.

Specific end use(s)

Cleaning towels and rags in automated washing machines.

SECTION 8: Exposure controls/personal protection

Control parameters

CAS: 102-71-6

TRIETHANOLAMINE

ACGIH: 5.000000 mg/m³ TWA

CAS: 1310-73-2 (EC: 215-185-5)

SODIUM HYDROXIDE/ WATER 50/50 SOLUTION

ACGIH: 2mg/m³ Ceiling; NIOSH: 2mg/m³ Ceiling; OSHA: 2 mg/3 PEL-TWA

CAS: 7446-09-5

Sulphur Dioxide

OSHA: 13 mg/m³, 5ppm PNEC

CAS: 7664-93-9

Sulfuric Acid

OSHA: 1 mg/m³ PEL-TWA

Appropriate engineering controls

Ensure adequate ventilation, especially in confined areas. Emergency eye wash fountains and safety showers should be available in the immediate vicinity of any potential exposure. Ensure all national/local regulations are observed.

Individual protection measures, such as personal protective equipment (PPE)

Pictograms



Eye/face protection

Chemical goggles or safety glasses.

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Skin protection

Gloves and clothing suitable for working with chemicals.

Body protection

Wear clothing suitable for the environment and working with chemicals.

Respiratory protection

If exposure limits are exceeded or irritation is experienced, approved respiratory protection should be worn.

Thermal hazards

No data available.

Environmental exposure controls

Do not allow concentrate product to be released to the environment.

SECTION 9: Physical and chemical properties

Information on basic physical and chemical properties

Appearance/form	CLEAR, Blue VISCOUS LIQUID WITH
Odor	Fresh and Clean
Odor threshold	No data available.
pH	10
Melting point/freezing point	0- DEG. C (32 DEG. F—)
Initial boiling point and boiling range	105-112 C (221-231 F)
Flash point	No data available.
Evaporation rate	No data available.
Flammability (solid, gas)	No data available.
Upper/lower flammability limits	No data available.
Upper/lower explosive limits	No data available.
Vapor pressure	4.2 (@20 DEG. C)
Vapor density	No data available.
Relative density	1-1.40 (@20 Deg. C)
Solubility(ies)	Miscible
Partition coefficient: n-octanol/water	No data available.
Auto-ignition temperature	No data available.
Decomposition temperature	No data available.
Viscosity	No data available.
Explosive properties	No data available.
Oxidizing properties	No data available.

SECTION 10: Stability and reactivity

Reactivity

Hazardous reactions will not occur under normal conditions.

Chemical stability

Stable under recommended handling and storage conditions (see section 7).

Possibility of hazardous reactions

Hazardous polymerization will not occur.

Conditions to avoid

Direct sunlight. Extremely high or low temperatures. Incompatible materials.

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Incompatible materials

Strong acids. Strong bases. Strong oxidizers.

Hazardous decomposition products

Decomposition products may include the following materials: metal oxide/oxides

SECTION 11: Toxicological information

Information on toxicological effects

Acute toxicity

NP-9

LD50 Oral - Rat - 960-3980 mg/kg

Remarks: Typical for this family of materials

NP-9

LD50 Skin - Rabbit - 2000-2991 mg/kg

Remarks: Prolonged skin contact is unlikely tlt in absorption of harmful amounts

NP-9

LC50 Inhalation - Rat - 1.15

Remarks: Typical for this family of materials

Benzenesulfonic acid, C10-16-alkyl derivs

LC50 Skin - Rabbit - >2000 mg/kg

Benzenesulfonic acid, C10-16-alkyl derivs

LC50 Oral - Rat - 1470 mg/kg

TRIETHANOLAMINE

LD50 Oral - Mouse - 5846 mg/kg

Result: Behavioral:Convulsions or effect on seizure threshold. Diarrhoea Kidney, Ureter, Bladder:Other changes.

TRIETHANOLAMINE

LD50 Oral - Rat - 5530 mg/kg

Result: Sense Organs and Special Senses (Nose, Eye, Ear, and Taste):Eye:Lacrimation. Diarrhoea Skin and Appendages: Other: Hair.

Skin corrosion/irritation

No data available.

Serious eye damage/irritation

No data available.

Respiratory or skin sensitization

No data available.

Germ cell mutagenicity

No data available.

Carcinogenicity

No data available.

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Reproductive toxicity

No data available.

Summary of evaluation of the CMR properties

No data available.

STOT-single exposure

TRIETHANOLAMINE

Result: RTECS: KL9275000

Kidney injury may occur., Dermatitis

Liver - Irregularities - Based on Human Evidence

Liver - Irregularities - Based on Human Evidence

STOT-repeated exposure

TRIETHANOLAMINE

Result: RTECS: KL9275000

Kidney injury may occur., Dermatitis

Liver - Irregularities - Based on Human Evidence

Liver - Irregularities - Based on Human Evidence

Aspiration hazard

No data available.

Additional information

No data available.

SECTION 12: Ecological information

Toxicity

NP-9

LC50 - Daphnia magna (water flea) - 9.3-21.4 mg/l - 48hr

Remarks: For this family of materials

NP-9

LC50 - Pimephales promelas (fathead minnow) - 3.8-6.2 mg/l - 96hr

Remarks: For this family of materials

Benzenesulfonic acid, C10-16-alkyl derivs

EC50 - Algea - 0.91 mg/l - 96h

Result: Acute

Benzenesulfonic acid, C10-16-alkyl derivs

EC50 - Daphnia magna (water flea) - 7.6 mg/l - 48h

Result: Acute

Benzenesulfonic acid, C10-16-alkyl derivs

LC50 - Lepomis macrochirus (bluegill) - 1.67 mg/l - 96h

Result: Acute

Benzenesulfonic acid, C10-16-alkyl derivs

LC50 - Algea - 3.1 mg/l - 15d

Result: Chronic

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Benzenesulfonic acid, C10-16-alkyl derivs
LC50 - Daphnia magna (water flea) - <3.4 mg/l - 28d
Result: Chronic

Benzenesulfonic acid, C10-16-alkyl derivs
LC50 - Fish - 0.25mg/l - 90d
Result: Chronic

SODIUM HYDROXIDE/ WATER 50/50 SOLUTION
EC50 - Daphnia magna (water flea) - 34.59-47.13 mg/l - 48h

SODIUM HYDROXIDE/ WATER 50/50 SOLUTION
LC50 - Western mosquitofish (Gambusia affinis) - 125mg/l - 96h

TRIETHANOLAMINE
LC50 - Lepomis macrochirus (bluegill) - 450-1000 mg/l - 96h

TRIETHANOLAMINE
EC50 - Daphnia magna (water flea) - 609.98 mg/l - 48h

Persistence and degradability

NP-9
- 2.15-2.25 mg/kg Theoretical Oxygen Demand - 28days

NP-9
- 2.09-2.25 mg/kg Chemical Oxygen Demand - 28days

Benzenesulfonic acid, C10-16-alkyl derivs

Result: This product is expected to be readily biodegradable

TRIETHANOLAMINE

Result: Biodegradability Result: 96 % - Readily biodegradable

Bioaccumulative potential

NP-9
- Partition coefficient: n-octanol/water(log Pow): 2.1 - 3.4 Calculated.

NP-9
- Bioconcentration factor (BCF): 5.9 - 48 Fish. Estimated.

Mobility in soil

No data available.

Results of PBT and vPvB assessment

No data available.

Other adverse effects

No data available.

SECTION 13: Disposal considerations

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Disposal of the product

Disposal should be in accordance with applicable regional, national and local laws and regulations.

Disposal of contaminated packaging

Disposal should be in accordance with applicable regional, national and local laws and regulations.

Waste treatment

No data available.

Sewage disposal

No data available.

Other disposal recommendations

No data available.

SECTION 14: Transport information

DOT (US)

Not dangerous goods

IMDG

Not dangerous goods

IATA

Not dangerous goods

SECTION 15: Regulatory information

Safety, health and environmental regulations specific for the product in question

New Jersey Right To Know Components

Common name: TRIETHANOLAMINE

CAS number: 102-71-6

Common name: SODIUM HYDROXIDE

CAS number: 1310-73-2

Common name: TRIETHANOLAMINE DODECYLBENZENESULFONATE

CAS number: 27323-41-7

Pennsylvania Right To Know Components

Chemical name: Ethanol, 2,2'-nitrilotris-

CAS number: 102-71-6

Chemical name: Sodium hydroxide

CAS number: 1310-73-2

Chemical name: Benzenesulfonic acid, dodecyl-, compd. with 2,2',2'-nitrilotris[ethanol] (1:1)

CAS number: 27323-41-7

SARA 311/312 Hazards

Acute Health Hazard

Chemical name: Ethanol, 2,2'-nitrilotris-

CAS number: 102-71-6 (chronic health hazard)

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Massachusetts Right To Know Components

Chemical name: Sodium hydroxide

CAS number: 1310-73-2

Chemical name: Ethanol, 2,2'-nitrilotris-

CAS number: 102-71-6

Chemical name: Triethanolamine dodecylbenzene sulfonate

CAS number: 27323-41-7

Toxic Substances Control Act (TSCA) Inventory

Benzenesulfonic acid, C10-16-alkyl derivs (CAS) 68584-22-5: Not regulated

Chemical name: Sodium hydroxide

CAS number: 1310-73-2 (not regulated)

OSHA

Benzenesulfonic acid, C10-16-alkyl derivs (CAS) 68584-22-5: Hazardous Chemical

Superfund (SARA 1986)

Benzenesulfonic acid, C10-16-alkyl derivs (CAS) 68584-22-5: Immediate hazard

OSHA Hazardous Chemical

Chemical name: Sodium hydroxide

CAS number: 1310-73-2

Super Fund (1986 SARA)

Chemical name: Sodium hydroxide

CAS number: 1310-73-2

Immediate Hazard

Rhode Island Right to Know

Chemical name: Sodium hydroxide

CAS number: 1310-73-2

SECTION 16: Other information

Revision Date:

04/12/2016

Other Information:

This document has been prepared in accordance with the SDS requirements of the OSHA Hazard Communication Standard 29 CFR 1910.1200.

Party Responsible for the Preparation of This Document

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This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product.

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Further information/disclaimer

No data available.

Preparation information

No data available.