



Revision Number: 001.0

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1. IDENTIFICATION OF THE SUBSTANCE OR MIXTURE AND OF THE SUPPLIER

Product identifier used on the label: Purex 2X Baby Liquid Detergent

Recommended use of the chemical and restrictions on use: Universal, No restrictions on use.

Name, address and telephone number of the chemical distributor:

Henkel Corporation
One Henkel Way
Rocky Hill, Connecticut 06067

Telephone: For medical emergencies 1-833-359-6299 For transportation CHEMTREC: 1-800-424-9300

Internet: www.henkel-northamerica.com

2. HAZARDS IDENTIFICATION

Globally Harmonized System Safety Data Sheets (SDS) are required to be readily accessible to employees for all hazardous chemicals in the workplace. This SDS provides additional information for safe handling of the product and may contain health hazard information not relevant to consumer use. For information regarding consumer application of this product, refer to the product label.

HAZARD CLASS	HAZARD CATEGORY
SKIN IRRITATION	2
SERIOUS EYE DAMAGE	1
ACUTE HAZARDS TO THE AQUATIC ENVIRONMENT	3
CHRONIC HAZARDS TO THE AQUATIC ENVIRONMENT	3

Signal word: DANGER

Hazard Statement(s):

Causes skin irritation.

Causes serious eye damage.

Harmful to aquatic life with long lasting effects.

Symbol(s):



Precautionary Statements:

Prevention: Wash affected area thoroughly after handling.

Avoid release to the environment.

Wear protective gloves, eye protection, and face protection.

Response: IF ON SKIN: Wash with plenty of water.

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

If skin irritation occurs: Get medical attention.

Take off contaminated clothing.

Storage: Not prescribed

Disposal: Dispose of contents and/or container according to Federal, State/Provincial and local governmental regulations.

Hazards not otherwise classified: Not available.

Classification complies with OSHA Hazard Communication Standard (29 CFR 1910.1200) and is consistent with the provisions of the United Nations Globally Harmonized System of Classification and Labeling of Chemicals (GHS).

See Section 11 for additional toxicological information.

3. COMPOSITION / INFORMATION ON INGREDIENTS

The following chemicals are classified as hazards in accordance with § 1910.1200.

Chemical Name*	CAS Number (Unique Identifier)	Concentration
α -Sulfo- ω -(dodecyloxy)poly(oxy-1,2-ethanediyl)sodium salt	9004-82-4	$\geq 10 - < 20$ %
Benzenesulfonic acid, sodium salts	68081-81-2	$\geq 5 - < 10$ %
Alcohols, C12-18, 7EO	68213-23-0	$\geq 1 - < 3$ %
Sodium carbonate	497-19-8	$\geq 1 - < 5$ %

* Exact percentages may vary or are trade secret. Concentration range is provided to assist users in providing appropriate protections.

4. FIRST AID MEASURES

Description of necessary measures

Inhalation: Remove from exposure area to fresh air. Treat symptomatically and supportively.
Skin contact: Rinse affected area with large amounts of mild soap and water until no evidence of product remains. Get medical attention if irritation persists.
Eye contact: Rinse eyes with plenty of water until no evidence of product remains. Get medical attention if pain or irritation develops.
Ingestion: Dilution by rinsing the mouth and giving water or milk to drink is generally recommended. Contact physician or local poison control center.

Most important symptoms and effects, both acute and delayed

After eye contact: May cause moderate to severe irritation, with possibility of corneal injury if not removed promptly. After skin contact: Repeated or prolonged excessive exposure may cause irritation or dermatitis. After ingestion: Ingestion may cause irritation of mouth, throat, digestive tract, diarrhea and vomiting.
ASPIRATION: Coughing, shortness of breath, nausea. Delayed effect: bronchopneumonia or pulmonary oedema After inhalation: Inhalation of product mist may cause irritation of the nose, throat, and respiratory tract.

Indication of any immediate medical attention and special treatment needed

After eye contact: Rinse eyes with plenty of water until no evidence of product remains. After skin contact: Rinse affected area with mild soap and water until no evidence of product remains. After ingestion: Administer immediately plenty of water. With ingestion of larger quantities (in adults one tablespoon) or in the case of discomfort or pain seek immediate medical attention. After inhalation: Remove from exposure area to fresh air.

5. FIRE FIGHTING MEASURES

Suitable (and unsuitable) extinguishing media

Suitable extinguishing media: Alcohol resistant foam, dry chemical or carbon dioxide. For larger fires, flood with fine water spray or alcohol-resistant foam.
Unsuitable extinguishing media: None known

Specific hazards arising from the chemical

Irritating smoke, carbon monoxide, and carbon dioxide.

Special protective equipment and precautions for fire-fighters

In case of fire, wear a full-face positive-pressure self-contained breathing apparatus and protective suit. Shut off all ignition sources. Move containers from fire area if you can do it without risk. Apply cooling water to sides of containers that are exposed to flames until well after fire is out. Isolate area. Keep unnecessary personnel away. Avoid breathing hazardous vapors, keep upwind. Collect contaminated fire fighting water separately. It must not enter drains.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures

Wear skin, eye and respiratory protection as recommended in Section 8. Stop leak if you can do it without risk. No smoking, flames or flares in hazard area! Spills present a slipping hazard. Keep unnecessary personnel away. Ventilate spill area if possible. Make sure area is slip-free before re-opening to traffic.

Environmental precautions

Small or household quantities may be disposed in sewer or other liquid waste system. For larger quantities check with your local disposal authorities.

Methods and materials for containment and cleaning up

SMALL SPILLS: Contain and absorb with sand or other non-combustible absorbent material and place into containers for later disposal. Wash site of spillage thoroughly with water. LARGE SPILLS: Shut off ignition sources. Stop leak if you can do it without risk. Use water spray to reduce vapors. Isolate area until vapors have dispersed. No smoking, flames or flares in hazard area! Keep unnecessary people away; isolate hazard area and deny entry. Ventilate closed spaces before entering.

7. HANDLING AND STORAGE

Precautions for safe handling

Do not get in eyes, on skin, on clothing Do not take internally. Use with adequate ventilation. Have emergency equipment (for fires, spills, leaks, etc.) readily available.

Conditions for safe storage, including any incompatibilities

Not available.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

OSHA permissible exposure limit (PEL), American Conference of Governmental Industrial Hygienists (ACGIH) Threshold Limit Value (TLV), American Industrial Hygiene Association (WEEL) Workplace Environmental Exposure Level and any other exposure limit used or recommended by the chemical manufacturer, importer, or employer preparing the safety data sheet, where available.

Hazardous Component(s)	ACGIH TLV	OSHA PEL	AIHA WEEL	OTHER
Benzenesulfonic acid, sodium salts	None	None	None	None
Alcohols, C12-18, 7EO	None	None	None	None

Appropriate engineering controls

Provide local exhaust or general dilution ventilation to keep exposure to airborne contaminants below the permissible exposure limits where mists or vapors may be generated.

Individual protection measures

- Respiratory:** Air contamination monitoring should be carried out where mists or vapors are likely to be generated, to assure that the employees are not exposed to airborne contaminants above the permissible exposure limits.
- Eye:** Splash-proof safety glasses are required to prevent eye contact where splashing of product may occur.
- Hand/Body:** Protective gloves are required where repeated or prolonged skin contact may occur. Protective clothing is required where repeated or prolonged skin contact may occur.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance:	liquid colourless, colourless to yellow
Odor:	floral, musk
Odor threshold:	Not available.
pH:	10.00 - 11.49 (25 °C)
Melting point/ range:	Not available.
Boiling point/range:	Not available.
Flash point:	93.3 °C (199.94 °F)
Evaporation rate:	Not available.
Flammable/Explosive limits - lower:	Not available.
Flammable/Explosive limits - upper:	Not available.
Vapor pressure:	Not available.
Vapor density:	Not available.
Solubility in water:	Not available.
Partition coefficient (n-octanol/water):	Not available.
Autoignition temperature:	Not available.
Decomposition temperature:	Not available.
Viscosity:	400 - 800 mPa.s
VOC content:	Not available.

10. STABILITY AND REACTIVITY

Reactivity:	This product may react with strong alkalis.
Chemical stability:	Stable under normal ambient temperature (70°F, 21°C) and pressure (1 atm).
Possibility of hazardous reactions:	Hazardous polymerization has not been reported to occur under normal temperatures and pressures.
Conditions to avoid:	Avoid storing in direct sunlight and avoid extremes of temperature.
Incompatible materials:	Strong oxidizers and alkalis.
Hazardous decomposition products:	Thermal decomposition may produce irritating smoke, carbon monoxide, and carbon dioxide.

11. TOXICOLOGICAL INFORMATION

Likely routes of exposure including symptoms related to characteristics

Inhalation:	Inhalation of product mist may cause irritation of the nose, throat, and respiratory tract.
Skin contact:	Repeated or prolonged excessive exposure may cause irritation or dermatitis.
Eye contact:	May cause moderate to severe irritation, with possibility of corneal injury if not removed promptly.
Ingestion:	May cause mild gastrointestinal irritation with nausea, vomiting, diarrhea and abdominal pain.
Physical/Chemical:	No physical/chemical hazards are anticipated for this product.
Other relevant toxicity information:	This product is a household product. The use of this product by consumers is safe under normal and reasonable foreseeable use.

Numerical measures of toxicity, including delayed and immediate effect

Hazardous Component(s)	LD50s and LC50s	Immediate and Delayed Health Effects
α-Sulfo-ω-(dodecyloxy)poly(oxy-1,2-ethanediyl)sodium salt	None	No Data
Benzenesulfonic acid, sodiumsalts	None	No Target Organs
Alcohols, C12-18, 7EO	None	Irritant
Sodium carbonate	Oral LD50 (RAT) = 4,090 mg/kg	Irritant, Sensory

Carcinogenicity information

Hazardous Component(s)	NTP Carcinogen	IARC Carcinogen	OSHA Carcinogen
α-Sulfo-ω-(dodecyloxy)poly(oxy-1,2-ethanediyl)sodium salt	No	No	No
Benzenesulfonic acid, sodiumsalts	No	No	No
Alcohols, C12-18, 7EO	No	No	No
Sodium carbonate	No	No	No

Carcinogenicity	None of the ingredients in this product are listed as carcinogens by the International Agency for Research on Cancer (IARC), the National Toxicology Program (NTP) or the Occupational Safety and Health Administration (OSHA).
Mutagenicity	None of the ingredients in this product are known to cause mutagenicity.
Toxicity for reproduction	None of the ingredients in this product are known as reproductive, fetal, or developmental hazards.

12. ECOLOGICAL INFORMATION

Aquatic Toxicity:

This product is anticipated to be safe for the environment at concentrations predicted in household settings under normal use conditions. The following toxicity information is available for the hazardous ingredient(s) when used as technical grade and is provided as reference for the occupational settings.

Toxicity to fish:

The aquatic toxicity profile of this product has not been determined.

Toxicity to aquatic invertebrates:

The aquatic toxicity profile of this product has not been determined.

Toxicity to algae:

The aquatic toxicity profile of this product has not been determined.

Persistence and degradability

Hazardous substances CAS-No.	Result value	Route of application	Species	Method
α-Sulfo-ω-(dodecyloxy)poly(oxy-1,2-ethanediy)sodium salt 9004-82-4	readily biodegradable	aerobic	78 %	OECD Guideline 301 D (Ready Biodegradability: Closed Bottle Test)
Benzenesulfonic acid, mono-C10-16-alkyl derivs., sodium salts 68081-81-2	readily biodegradable, but failing 10-day window	aerobic	70 - 80 %	OECD Guideline 301 D (Ready Biodegradability: Closed Bottle Test)
Alcohols, C12-18, ethoxylated 68213-23-0	readily biodegradable	aerobic	79 %	OECD Guideline 301 D (Ready Biodegradability: Closed Bottle Test)

Bioaccumulative potential

The bioaccumulation potential of this product has not been determined.

Mobility in soil

The mobility of this product (in soil and water) has not been determined.

13. DISPOSAL CONSIDERATIONS

Description of waste residues:

Hazardous waste number: Not regulated

Safe handling and disposal methods:

Recommended method of disposal: This product is not a RCRA hazardous waste and can be disposed of in accordance with federal, state and local regulations.

Disposal of uncleaned packages: Place in trash.

14. TRANSPORT INFORMATION

The information in this section is for reference only and should not take the place of a shipping paper (bill of lading) specific to an order. Please note that the proper shipping classification may vary by packaging, properties, and mode of transportation.

U.S. Department of Transportation Ground (49 CFR)

Proper shipping name: Not regulated
Hazard class or division: None
Identification number: None
Packing group: None

International Air Transportation (ICAO/IATA)

Proper shipping name: Not regulated
Hazard class or division: None
Identification number: None
Packing group: None

Water Transportation (IMO/IMDG)

Proper shipping name:	Not regulated
Hazard class or division:	None
Identification number:	None
Packing group:	None

15. REGULATORY INFORMATION

United States Regulatory Information

TSCA 8 (b) Inventory Status:	All components are listed as active or are exempt from listing on the Toxic Substances Control Act (TSCA) inventory.
TSCA 12 (b) Export Notification:	None above reporting de minimis
CERCLA/SARA Section 302 EHS:	The following components are subject to reporting levels established by SARA Title III, Section 302: Ethylene oxide (CAS# 75-21-8). Formaldehyde (CAS# 50-00-0).
CERCLA/SARA Section 311/312:	Not available.
CERCLA/SARA Section 313:	None above reporting de minimis.
California Proposition 65:	This product contains a chemical known in the State of California to cause cancer. This product contains a chemical known to the State of California to cause birth defects or other reproductive harm.

Canada Regulatory Information

CEPA DSL/NDL Status:	All components are listed on or are exempt from listing on the Canadian Domestic Substances List.
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16. OTHER INFORMATION

DISCLAIMER: The (M)SDS is intended to provide a brief summary of our knowledge and guidance regarding the use of this material. The information contained here has been compiled from sources considered to be dependable and is accurate to the best of the Company's knowledge. It is not meant to be an all-inclusive document on worldwide hazard communication regulations. This information is offered in good faith. Each user of this material needs to evaluate the conditions of use and design the appropriate protective mechanisms to prevent employee exposures, property damage or release to the environment.

This safety data sheet contains changes from the previous version in sections: New Safety Data Sheet format.

Prepared by:	R&D Support Services
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