

SAFETY DATA SHEET



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Revision Number 1

1. IDENTIFICATION

Product Name Tide Coldwater Free Laundry Detergent

Product Identifier 21107577_RET_NG

Product Type: Finished Product - Retail

Recommended use Laundry. Detergent.

Restrictions on use Use only as directed on label.

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2. HAZARD IDENTIFICATION

"Consumer Products", as defined by the US Consumer Product Safety Act and which are used as intended (typical consumer duration and frequency), are exempt from the OSHA Hazard Communication Standard (29 CFR 1910.1200). This SDS is being provided as a courtesy to help assist in the safe handling and proper use of the product. For consumer use in households, follow precautionary and first aid instructions on product label.

This product is classified under 29CFR 1910.1200(d) and the Canadian Hazardous Products Regulation as follows:.

Hazard category

Acute toxicity - Oral	Category 4
Eye Damage / Irritation	Category 2B
Flammable liquids	Category 4
Signal word	Warning

Hazard statements	Harmful if swallowed Causes eye irritation
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Physical hazards	Combustible liquid
Hazard pictograms	

**Precautionary Statements**

Wash hands thoroughly after handling
 Do not eat, drink or smoke when using this product
 Keep away from heat/sparks/open flames/hot surfaces. — No smoking
 Keep container tightly closed

Precautionary Statements - Response

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing
 If eye irritation persists: Get medical advice/attention
 If swallowed:
 Rinse with plenty of water
 Drink 1 or 2 glasses of water
 Call a POISON CENTER or doctor/physician if you feel unwell
 In case of fire: Use water, CO₂, dry chemical, or foam for extinction

Precautionary Statements - Storage Store in a well-ventilated place. Keep cool

Precautionary Statements - Disposal None.

3. COMPOSITION/INFORMATION ON INGREDIENTS

Ingredients are listed according to 29CFR 1910.1200 Appendix D and the Canadian Hazardous Products Regulation

Chemical name	Synonyms	Trade Secret	CAS No.	Weight-%
C10-16 Pareth	Alcohols, C10-16, ethoxylated (n=7)	No	68002-97-1	10 - 15
Sodium Dodecylbenzenesulfonate	Benzenesulfonic Acid, mono-C10-16-Alkyl Derivs., Sodium Sa	No	68081-81-2	1 - 5
Sodium Lauryl Sulfate	Sulfuric acid, mono-C10-16-alkyl esters, sodium salts/Sulfuric acid, mono-C12-16-alkyl esters, sodium salts	No	68585-47-7	1 - 5
Propylene Glycol	Propylene Glycol	No	57-55-6	1 - 5
Lauramine Oxide	Amine oxides, C10-16-alkyldimethyl	No	70592-80-2	1 - 5
Alcohol	Ethanol (Denaturants Listed Separately)	No	64-17-5	0.5 - 1.5

Additional information

Actual substance concentrations fall within the ranges stated. Maximum values do not necessarily represent the values present in the formula.

4. FIRST AID MEASURES

Description of first aid measures**Eye contact**

Rinse with plenty of water. Get medical attention immediately if irritation persists. IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention.

Skin contact	Rinse with plenty of water. Call a physician if irritation develops and persists.
Ingestion	Rinse mouth. Drink 1 or 2 glasses of water. Do NOT induce vomiting. Get medical attention immediately if symptoms occur. IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician.
Inhalation	Move to fresh air. If symptoms persist, call a physician.
Most important symptoms/effects, acute and delayed	May cause eye irritation
<u>Indication of any immediate medical attention and special treatment needed</u>	
Notes to Physician	Treat symptomatically.

5. FIRE-FIGHTING MEASURES

Flammable properties	Combustible liquid
Suitable extinguishing media	In case of fire: Use water, CO ₂ , dry chemical, or foam for extinction. Dry chemical. Alcohol resistant foam. Carbon dioxide (CO ₂).
Unsuitable Extinguishing Media	Do not use a solid water stream as it may scatter and spread fire.
Special Hazard	combustible liquid. Fumes may catch fire.
Special protective equipment for fire-fighters	As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.
Special Provisions	None.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures

Personal precautions	Use personal protective equipment as required. Do not get in eyes, on skin, or on clothing.
Advice for emergency responders	Use personal protective equipment as required.
Environmental precautions	Do not discharge product into natural waters without pre-treatment or adequate dilution

Methods and material for containment and cleaning up

Methods for containment	Absorb with earth, sand or other non-combustible material and transfer to containers for later disposal. Prevent further leakage or spillage if safe to do so.
Methods for cleaning up	Contain spillage, and then collect with non-combustible absorbent material, (e.g. sand, earth, diatomaceous earth, vermiculite) and place in container for disposal according to local / national regulations (see section 13).

7. HANDLING AND STORAGE

Precautions for safe handling

Advice on safe handling	Keep away from open flames, hot surfaces and sources of ignition. Use personal protective equipment as required. Keep container closed when not in use. Never return spills in original containers for re-use. Keep out of the reach of children.
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Conditions for safe storage, including any incompatibilities

Technical measures/Storage conditions Keep away from open flames, hot surfaces and sources of ignition. Store away from other materials.

Storage Conditions Store in a cool/low-temperature, well-ventilated, dry place away from heat and ignition sources. Keep containers tightly closed in a dry, cool and well-ventilated place.

Incompatible products None known.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Control parameters

Exposure Guidelines

Chemical name	CAS No.	ACGIH TLV	OSHA PEL	Mexico
Alcohol	64-17-5	STEL: 1000 ppm	TWA: 1000 ppm TWA: 1900 mg/m ³ (vacated) TWA: 1000 ppm (vacated) TWA: 1900 mg/m ³	VLE-CT: 1000 ppm

Chemical name	CAS No.	Alberta	Quebec	Ontario TWAEV	British Columbia
Propylene Glycol	57-55-6			TWA: 10 mg/m ³ TWA: 50 ppm TWA: 155 mg/m ³	
Alcohol	64-17-5	TWA: 1000 ppm TWA: 1880 mg/m ³	STEL: 1000 ppm	STEL: 1000 ppm	STEL: 1000 ppm

No relevant exposure guidelines for other ingredients

Appropriate engineering controls

Engineering Measures

Distribution and Workplace settings:
Ensure adequate ventilation

Product Manufacturing Plant (needed at Product-Producing Plant ONLY):
Where reasonably practicable this should be achieved by the use of local exhaust ventilation and good general extraction

Manufacturing Sites:
Not relevant

Personal protective equipment

Eye Protection

Distribution and Workplace settings:
No special protective equipment required

Product Manufacturing Plant (needed at Product-Producing Plant ONLY):
Use appropriate eye protection

Manufacturing Sites:
Wear safety glasses with side shields (or goggles)
No special protective equipment required

Hand Protection

Distribution and Workplace settings:
No special protective equipment required

Product Manufacturing Plant (needed at Product-Producing Plant ONLY):
Protective gloves

Skin and Body Protection

Distribution and Workplace settings:
No special protective equipment required

Product Manufacturing Plant (needed at Product-Producing Plant ONLY):
Wear suitable protective clothing

Respiratory Protection

Distribution and Workplace settings:
No special protective equipment required

Product Manufacturing Plant (needed at Product-Producing Plant ONLY):
In case of inadequate ventilation wear respiratory protection

Hygiene Measures

Manufacturing Sites:
Wash hands thoroughly after handling
Distribution and Workplace settings:
Do not eat, drink or smoke when using this product

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical state	Liquid	
Appearance	clear yellow	
Color	No information available	
Odor	Fragrance free	
Odor threshold	No information available	
<u>Property</u>	<u>Values</u>	<u>Remarks</u>
pH	8.6	
Melting point / freezing point	No information available	
Initial boiling point and boiling range	100 °C / 212 °F	
Flash point	84.6 °C / 184.3 °F	Closed cup.
Evaporation rate	No information available	
Flammability	No information available	
Flammability Limit in Air		
Upper flammability or explosive limits	No information available	
Lower flammability or explosive limits	No information available	
Vapor pressure	No information available	
Relative vapor density	No information available	
Relative density	No information available	
Water solubility	Soluble in water	
Partition coefficient	No information available	
Autoignition temperature	No information available	.
Decomposition temperature	No information available	.
Viscosity	No information available	
VOC Content (%)	Products comply with US state and federal regulations for VOC content in consumer products.	

10. STABILITY AND REACTIVITY

Reactivity	None under normal use conditions.
Stability	Stable under normal conditions.
Hazardous polymerization	Hazardous polymerization does not occur.
Hazardous Reactions	None under normal processing.
Conditions to Avoid	Keep away from open flames, hot surfaces and sources of ignition.
Incompatible Materials	None in particular.
Hazardous decomposition products	None under normal use conditions.

11. TOXICOLOGICAL INFORMATION

Product Information

Information on likely routes of exposure

Inhalation	No known effect.
Skin contact	No known effect.
Ingestion	May be harmful if swallowed. Harmful if swallowed.
Eye contact	Irritating to eyes. Avoid contact with eyes.

Delayed and immediate effects as well as chronic effects from short and long-term exposure

Acute toxicity	May be harmful if swallowed.
Skin corrosion/irritation	No known effect.
Serious eye damage/eye irritation	Irritating to eyes.
Skin sensitization	No known effect.
Respiratory sensitization	No known effect.
Germ cell mutagenicity	No known effect.
Reproductive toxicity	No known effect.
Developmental toxicity	No known effect.
STOT - single exposure	No known effect.
STOT - repeated exposure	No known effect.
Aspiration hazard	No known effect.
Carcinogenicity	No known effect.

Component Information

Chemical name	CAS No.	Oral LD50	Dermal LD50	Inhalation LC50
C10-16 Pareth	68002-97-1	-	5001 mg/kg (RABBIT)	-
Sodium Dodecylbenzenesulfonate	68081-81-2	1.08 g/kg (RAT)	-	-
Sodium Lauryl Sulfate	68585-47-7	4010 mg/kg (RAT)	5001 mg/kg (RAT)	-
Propylene Glycol	57-55-6	22000 mg/kg (RAT)	5001 mg/kg (RABBIT)	50 mg/L (RAT)
Lauramine Oxide	70592-80-2	1064 mg/kg (RAT)	5001 mg/kg (Rat)	-
Alcohol	64-17-5	10470 mg/kg (RAT)	-	116.9 mg/L (Rat)

12. ECOLOGICAL INFORMATION

ecotoxicity

The product is not expected to be hazardous to the environment.

Persistence and degradability	No information available.
Bioaccumulative potential	No information available.
Mobility	No information available.
Other adverse effects	No information available.

13. DISPOSAL CONSIDERATIONS

Disposal methods

Waste from Residues/Unused Products	Disposal should be in accordance with applicable regional, national and local laws and regulations.
Contaminated packaging	Disposal should be in accordance with applicable regional, national and local laws and regulations.
California Hazardous Waste Codes (non-household setting)	331

14. TRANSPORT INFORMATION

DOT	Not regulated
IMDG	Not regulated
IATA	Not regulated

15. REGULATORY INFORMATION

U.S. FEDERAL REGULATIONS

CERCLA

This material, as supplied, does not contain any substances regulated as hazardous substances under the Comprehensive Environmental Response Compensation and Liability Act (CERCLA) (40 CFR 302) or the Superfund Amendments and Reauthorization Act (SARA) (40 CFR 355). There may be specific reporting requirements at the local, regional, or state level pertaining to releases of this material.

Clean Air Act, Section 112 Hazardous Air Pollutants (HAPs) (see 40 CFR 61)

This product does not contain any substances regulated as hazardous air pollutants (HAPS) under Section 112 of the Clean Air Act Amendments of 1990.

Clean Water Act

This product does not contain any substances regulated as pollutants pursuant to the Clean Water Act (40 CFR 122.21 and 40 CFR 122.42).

U.S. State Regulations (RTK)

Chemical name	CAS No.	New Jersey
Propylene Glycol	57-55-6	X
Alcohol	64-17-5	X

Chemical name	CAS No.	Massachusetts
Alcohol	64-17-5	X

Chemical name	CAS No.	Pennsylvania
Propylene Glycol	57-55-6	X
Alcohol	64-17-5	X

California Proposition 65

This product is not subject to warning labeling under California Proposition 65.

International Inventories

United States

All intentionally-added components of this product(s) are listed on the US TSCA Inventory

Canada

This product is in compliance with CEPA for import by P&G

Legend

United States Toxic Substances Control Act Section 8(b) Inventory (TSCA)

CEPA - Canadian Environmental Protection Act

16. OTHER INFORMATION

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Disclaimer.

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text

End of Safety Data Sheet