

SAFETY DATA SHEET



Issuing Date: 12-Oct-2015

Revision Date: 13-Dec-2016

Version 2

1. IDENTIFICATION

Product Name	Tide Free HEC
Product Identifier	90536346_RET_NG
Product Type:	Finished Product - Consumer (Retail) Use Only
Recommended Use	Laundry Care.
Restrictions on Use	Use only as directed on label.
Details of the supplier of the safety data sheet	PROCTER & GAMBLE - Fabric and Home Care Division Ivorydale Technical Centre 5289 Spring Grove Avenue Cincinnati, Ohio 45217-1087 USA Procter & Gamble Inc. P.O. Box 355, Station A Toronto, ON M5W 1C5 1-800-331-3774
E-mail Address	pgsds.im@pg.com
Emergency Telephone	Transportation (24 HR) CHEMTREC - 1-800-424-9300 (U.S./ Canada) or 1-703-527-3887 Mexico toll free in country: 800-681-9531

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.

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

Hazard Category

Eye Damage / Irritation	Category 2B
Flammable Liquids	Category 4

Signal Word	WARNING
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Hazard Statements	Causes eye irritation Combustible liquid
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Hazard pictograms	None
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Precautionary Statements	Wash hands thoroughly after handling Do not eat, drink or smoke when using this product
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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:
Drink 1 or 2 glasses of water
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

Hazards not otherwise classified (HNOC) 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 %
Poly(oxy-1,2-ethanediyl), alpha-sulfo-omega-hydroxy-, C10-16-alkyl ethers, sodium salts	Poly(oxy-1,2-ethanediyl), alpha-sulfo-omega-hydroxy-, C10-16-alkyl ethers, sodium salts	No	68585-34-2	5 - 10
Alcohols, C14-15, ethoxylated	Alcohols, C14-15, ethoxylated	No	68951-67-7	1 - 5
Propylene glycol	Propylene Glycol	No	57-55-6	1 - 5
2,2'-Oxybisethanol	Ethanol, 2,2'-oxybis-	No	111-46-6	1 - 5
Citric acid	1,2,3-Propanetricarboxylic acid, 2-hydroxy-	No	77-92-9	1 - 5
Dodecylbenzene Sulfonic Acid	Benzenesulfonic acid, C10-16-alkyl derivs.	No	68584-22-5	1 - 5
2-Aminoethanol	Ethanol, 2-amino-	No	141-43-5	1 - 5
Lauric acid (Dodecanoic acid)	Dodecanoic acid	No	143-07-7	1 - 5
Ethanol	Ethanol	No	64-17-5	1 - 5
Sulfuric acid, mono-C10-16-alkyl esters, sodium salts	Sulfuric acid, mono-C10-16-alkyl esters, sodium salts	No	68585-47-7	1 - 5
Disodium tetraborate pentahydrate	Boron sodium oxide (B ₄ Na ₂ O ₇), pentahydrate	No	12179-04-3	1 - 5
Glycine, N,N-bis[2-[bis(carboxymethyl)amino]ethyl]-, sodium salt (1:5)	Glycine, N,N-bis[2-[bis(carboxymethyl)amino]ethyl]-, sodium salt (1:5)	No	140-01-2	0.1 - 1.0

4. FIRST AID MEASURES

First aid measures for different exposure routes

Eye contact Rinse with plenty of water. Get medical attention immediately if irritation persists.

Skin contact Rinse with plenty of water. Get medical attention 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.

Inhalation Move to fresh air. If symptoms persist, call a physician.

Most important symptoms/effects, acute and delayed None under normal use conditions.

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

Notes to Physician Treat symptomatically.

5. FIRE-FIGHTING MEASURES

Suitable extinguishing media In case of fire: Use water, CO₂, dry chemical, or foam for extinction.

Unsuitable Extinguishing Media Do not use a solid water stream as it may scatter and spread fire.

Special hazard Combustible liquid.

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.

Specific hazards arising from the chemical None.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures

Personal precautions Use personal protective equipment. Do not get in eyes, on skin, or on clothing.

Advice for emergency responders Use personal protective equipment as required.

Methods and materials 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.

Conditions for safe storage, including any incompatibilities

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

Incompatible products None known.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Control parameters

Exposure Guidelines

Chemical Name	CAS-No	ACGIH TLV	OSHA PEL	Mexico PEL
2-Aminoethanol	141-43-5	STEL: 6 ppm TWA: 3 ppm	TWA: 3 ppm TWA: 6 mg/m ³ (vacated) TWA: 3 ppm (vacated) TWA: 8 mg/m ³ (vacated) STEL: 6 ppm (vacated) STEL: 15 mg/m ³	Mexico: TWA 3 ppm Mexico: TWA 8 mg/m ³ Mexico: STEL 6 ppm Mexico: STEL 15 mg/m ³
Ethanol	64-17-5	STEL: 1000 ppm	TWA: 1000 ppm TWA: 1900 mg/m ³ (vacated) TWA: 1000 ppm (vacated) TWA: 1900 mg/m ³	Mexico: TWA 1000 ppm Mexico: TWA 1900 mg/m ³
Disodium tetraborate pentahydrate	12179-04-3	STEL: 6 mg/m ³ inhalable fraction TWA: 2 mg/m ³ inhalable fraction	(vacated) TWA: 10 mg/m ³	Mexico: TWA 1 mg/m ³

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	
2-Aminoethanol	141-43-5	TWA: 3 ppm TWA: 7.5 mg/m ³ STEL: 6 ppm STEL: 15 mg/m ³	TWA: 3 ppm TWA: 7.5 mg/m ³ STEL: 6 ppm STEL: 15 mg/m ³	TWA: 3 ppm STEL: 6 ppm	TWA: 3 ppm STEL: 6 ppm
Ethanol	64-17-5	TWA: 1000 ppm TWA: 1880 mg/m ³	TWA: 1000 ppm TWA: 1880 mg/m ³	STEL: 1000 ppm	STEL: 1000 ppm
Disodium tetraborate pentahydrate	12179-04-3	TWA: 1 mg/m ³ STEL: 3 ppm	TWA: 1 mg/m ³	TWA: 2 mg/m ³ STEL: 6 mg/m ³	TWA: 2 mg/m ³ STEL: 6 mg/m ³

No relevant exposure guidelines for other ingredients

Exposure controls**Engineering Measures****Distribution, Workplace and Household 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

Personal Protective Equipment**Eye Protection****Distribution, Workplace and Household Settings:**

No special protective equipment required

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

Use appropriate eye protection

Hand Protection**Distribution, Workplace and Household Settings:**

No special protective equipment required

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

Protective gloves

Skin and Body Protection**Distribution, Workplace and Household Settings:**

No special protective equipment required

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

Wear suitable protective clothing

Respiratory Protection**Distribution, Workplace and Household Settings:**

No special protective equipment required

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

In case of inadequate ventilation wear respiratory protection

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical State @20°C	Liquid	
Appearance	blue	
Odor	Floral	
Odor threshold	No information available	
<u>Property</u>	<u>Values</u>	<u>Note</u>
pH value	7.9 - 8.6	
Melting/freezing point	No information available	
Boiling point/boiling range	No information available	
Flash point	> 65.5 °C / > 149.9 °F	Closed cup.
Evaporation rate	No information available	
Flammability (solid, gas)	No information available	
Flammability Limits in Air		
Upper flammability limit	No information available	
Lower Flammability Limit	No information available	
Vapor pressure	No information available	
Vapor density	No information available	
Relative density	1.000 – 1.0980	
Water solubility	100%	
Partition coefficient: n-octanol/water	No information available	
Autoignition temperature	No information available	.
Decomposition temperature	No information available	.
Viscosity of Product	100-1100 cps	
Oxidizing properties	Not an oxidizing substance.	
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.
Materials to avoid	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	No known effect.
Eye contact	Irritating to eyes.

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

Acute toxicity	No known effect.
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.
Neurological Effects	No known effect.
Reproductive toxicity	No known effect.
Developmental toxicity	No known effect.
Teratogenicity	No known effect.
STOT - single exposure	No known effect.
STOT - repeated exposure	No known effect.
Target Organ Effects	No known effect.
Aspiration hazard	No known effect.
Carcinogenicity	No known effect.

Component Information

Chemical Name	CAS-No	Oral LD50	Dermal LD50	Inhalation LC50
Poly(oxy-1,2-ethanediyl), alpha-sulfo-omega-hydroxy-, C10-16-alkyl ethers, sodium salts	68585-34-2	>2001 mg/kg	-	-
Alcohols, C14-15, ethoxylated	68951-67-7	> 300 mg/kg bw	> 2000 mg/kg bw	-
Citric acid	77-92-9	5400 mg/kg bw (//OECD 401)	> 2000 mg/kg bw (OECD 402)	-
Dodecylbenzene Sulfonic Acid	68584-22-5	-	> 5000 mg/kg bw (//OECD 402)	> 1.9 mg/L air (OECD 403)
2-Aminoethanol	141-43-5	1089 mg/kg bw (Similar to OECD 401; standard acute method; rat)	1000 mg/kg (rabbit)	-
Lauric acid (Dodecanoic acid)	143-07-7	> 5000 mg/kg bw (OECD 401)	> 2000 mg/kg bw (OECD 434)	> 0.1621 mg/L air
Ethanol	64-17-5	10470 mg/kg bw (OECD 401)	-	116.9 mg/L air (//OECD 403)
Glycine, N,N-bis[2-[bis(carboxymethyl)amino ethyl]-, sodium salt (1:5)	140-01-2	> 5000 mg/kg bw (OECD 401)	> 2000 mg/kg bw (OECD 402)	-

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**Waste treatment**

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 331

(non-household setting)

14. TRANSPORT INFORMATION**DOT** Not regulated**IMDG** Not regulated**IATA** Not regulated**15. REGULATORY INFORMATION****U.S. Federal Regulations****SARA 313**

Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product does not contain any chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372

CERCLA

This material, as supplied, contains one or more substances regulated as a hazardous substance under the Comprehensive Environmental Response Compensation and Liability Act (CERCLA) (40 CFR 302):.

Chemical Name	CAS-No	Hazardous Substances RQs	Extremely Hazardous Substances RQs	CERCLA/SARA 302 TPQ
Sodium hydroxide	1310-73-2	1000 lb	-	
Sulphuric acid	7664-93-9	1000 lb	1000 lb	1000 lb

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 contains the following substances which are regulated pollutants pursuant to the Clean Water Act (40 CFR 122.21 and 40 CFR 122.42):.

Chemical Name	CAS-No	CWA - Reportable Quantities	CWA - Toxic Pollutants	CWA - Priority Pollutants	CWA - Hazardous Substances
Sodium hydroxide	1310-73-2	1000 lb	-	-	X
Sulphuric acid	7664-93-9	1000 lb	-	-	X

California Proposition 65

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

Ethanol is only considered a Proposition 65 developmental hazard when it is ingested as an alcoholic beverage.

U.S. State Regulations (RTK)

Chemical Name	CAS-No	New Jersey
Propylene glycol	57-55-6	X
2-Aminoethanol	141-43-5	X
Ethanol	64-17-5	X

Chemical Name	CAS-No	Massachusetts
2-Aminoethanol	141-43-5	X
Ethanol	64-17-5	X
Disodium tetraborate pentahydrate	12179-04-3	X

Chemical Name	CAS-No	Pennsylvania
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Propylene glycol	57-55-6	X
2,2'-Oxybisethanol	111-46-6	X
2-Aminoethanol	141-43-5	X
Ethanol	64-17-5	X
Sodium hydroxide	1310-73-2	X
9-Octadecenoic acid (9Z)-	112-80-1	X
Sulphuric acid	7664-93-9	X

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

Issuing Date: 12-Oct-2015

Revision Date: 13-Dec-2016

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 SDS