SAFETY DATA SHEET

Issuing Date: 12-Oct-2015    Revision Date: 11-Jan-2016    Version 2

1. IDENTIFICATION

Product Name: Tide Ultra Stain Release HE

Product ID: 9065576_RET_NG

Product Type: Finished Product - Consumer (Retail) Use Only

Recommended use: Laundry Care

Restrictions on Use: Use only as directed on label.

Manufacturer: PROCTER & GAMBLE - Fabric and Home Care Division
Ivydale 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

Signal Word: WARNING

Hazard Statements: Causes eye irritation

Hazard pictograms: None

Precautionary Statements - Prevention: Wash hands thoroughly after handling
3. COMPOSITION/INFORMATION ON INGREDIENTS

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

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>Synonyms</th>
<th>Trade Secret</th>
<th>CAS-No</th>
<th>Weight %</th>
</tr>
</thead>
<tbody>
<tr>
<td>Poly(oxy-1,2-ethanediyl), alpha-sulfo-omega-hydroxy-, C10-16-alkyl ethers, sodium salts</td>
<td>Poly(oxy-1,2-ethanediyl), alpha-sulfo-omega-hydroxy-, C10-16-alkyl ethers, sodium salts</td>
<td>No</td>
<td>68585-34-2</td>
<td>10 - 15</td>
</tr>
<tr>
<td>Dodecylbenzene Sulfonic Acid</td>
<td>Dodecylbenzene Sulfonic Acid</td>
<td>No</td>
<td>68584-22-5</td>
<td>5 - 10</td>
</tr>
<tr>
<td>Propylene glycol</td>
<td>Propylene glycol</td>
<td>No</td>
<td>57-55-6</td>
<td>1 - 5</td>
</tr>
<tr>
<td>Citric acid</td>
<td>Citric acid</td>
<td>No</td>
<td>77-92-9</td>
<td>1 - 5</td>
</tr>
<tr>
<td>2-Aminoethanol</td>
<td>2-Aminoethanol</td>
<td>No</td>
<td>141-43-5</td>
<td>1 - 5</td>
</tr>
<tr>
<td>Ethanol</td>
<td>Ethanol</td>
<td>No</td>
<td>64-17-5</td>
<td>1 - 5</td>
</tr>
<tr>
<td>2,2'-Oxybisethanol</td>
<td>2,2'-Oxybisethanol</td>
<td>No</td>
<td>111-46-6</td>
<td>1 - 5</td>
</tr>
<tr>
<td>Disodium tetraborate pentahydrate</td>
<td>Disodium tetraborate pentahydrate</td>
<td>No</td>
<td>12179-04-3</td>
<td>1 - 5</td>
</tr>
<tr>
<td>Sulfuric acid, mono-C10-16-alkyl esters, sodium salts</td>
<td>Sulfuric acid, mono-C10-16-alkyl esters, sodium salts</td>
<td>No</td>
<td>68585-47-7</td>
<td>1 - 5</td>
</tr>
<tr>
<td>Glycine, N,N-bis[2-[bis(carboxymethyl)amino]ethyl]-, sodium salt (1:5)</td>
<td>Glycine, N,N-bis[2-[bis(carboxymethyl)amino]ethyl]-, sodium salt (1:5)</td>
<td>No</td>
<td>140-01-2</td>
<td>0.5 - 1.5</td>
</tr>
</tbody>
</table>

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
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
5. FIRE-FIGHTING MEASURES

Suitable extinguishing media
Dry chemical, CO₂, alcohol-resistant foam or water spray.

Unsuitable Extinguishing Media
None.

Special hazard
None known.

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.

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
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
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

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>CAS-No</th>
<th>ACGIH TLV</th>
<th>OSHA PEL</th>
<th>Mexico PEL</th>
</tr>
</thead>
<tbody>
<tr>
<td>2-Aminoethanol</td>
<td>141-43-5</td>
<td>STEL: 6 ppm TWA: 3 ppm</td>
<td>TWA: 3 ppm TWA: 6 mg/m³ (vacated) TWA: 3 pm (vacated) TWA: 8 mg/m³ (vacated) STEL: 6 ppm (vacated) STEL: 15 mg/m³</td>
<td>Mexico: TWA 3 ppm Mexico: TWA 8 mg/m³ Mexico: STEL 6 ppm Mexico: STEL 15 mg/m³</td>
</tr>
<tr>
<td>Ethanol</td>
<td>64-17-5</td>
<td>STEL: 1000 ppm</td>
<td>TWA: 1000 ppm</td>
<td>Mexico: TWA 1000 ppm</td>
</tr>
<tr>
<td>Chemical Name</td>
<td>CAS-No</td>
<td>Alberta</td>
<td>Quebec</td>
<td>Ontario TWAEV</td>
</tr>
<tr>
<td>--------------------------------</td>
<td>--------</td>
<td>----------------------------------------------</td>
<td>----------------------------------------------</td>
<td>---------------------------------------</td>
</tr>
<tr>
<td>Propylene glycol</td>
<td>57-55-6</td>
<td>TWA: 3 ppm</td>
<td>TWA: 3 ppm</td>
<td>TWA: 10 mg/m³</td>
</tr>
<tr>
<td></td>
<td></td>
<td>TWA: 7.5 mg/m³ (vacated)</td>
<td>TWA: 7.5 mg/m³ (vacated)</td>
<td>TWA: 50 ppm</td>
</tr>
<tr>
<td></td>
<td></td>
<td>STEL: 6 ppm</td>
<td>STEL: 6 ppm</td>
<td>TWA: 155 mg/m³</td>
</tr>
<tr>
<td>2-Aminoethanol</td>
<td>141-43-5</td>
<td>TWA: 1000 ppm</td>
<td>TWA: 1000 ppm</td>
<td>TWA: 3 ppm STEL: 6 ppm</td>
</tr>
<tr>
<td>Ethanol</td>
<td>64-17-5</td>
<td>TWA: 1880 mg/m³ STEL: 3 ppm</td>
<td>TWA: 1880 mg/m³ STEL: 3 ppm</td>
<td>TWA: 2 mg/m³ STEL: 6 mg/m³</td>
</tr>
<tr>
<td>Disodium tetraborate pentahydrate</td>
<td>12179-04-3</td>
<td>TWA: 2 mg/m³ STEL: 6 mg/m³</td>
<td>TWA: 2 mg/m³ STEL: 6 mg/m³</td>
<td>TWA: 2 mg/m³ STEL: 6 mg/m³</td>
</tr>
</tbody>
</table>

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 insufficient ventilation wear suitable respiratory equipment

9. PHYSICAL AND CHEMICAL PROPERTIES
<table>
<thead>
<tr>
<th>Property</th>
<th>Values</th>
<th>Note</th>
</tr>
</thead>
<tbody>
<tr>
<td>pH value</td>
<td>7.9 - 8.6</td>
<td></td>
</tr>
<tr>
<td>Melting/freezing point</td>
<td>No information available</td>
<td></td>
</tr>
<tr>
<td>Boiling point/boiling range</td>
<td>No information available</td>
<td></td>
</tr>
<tr>
<td>Flash point</td>
<td>&gt; 65.5 °C / &gt; 149.9 °F</td>
<td></td>
</tr>
<tr>
<td>Evaporation rate</td>
<td>No information available</td>
<td></td>
</tr>
<tr>
<td>Flammability (solid, gas)</td>
<td>No information available</td>
<td></td>
</tr>
<tr>
<td>Flammability Limits in Air</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Upper flammability limit</td>
<td>No information available</td>
<td></td>
</tr>
<tr>
<td>Lower Flammability Limit</td>
<td>No information available</td>
<td></td>
</tr>
<tr>
<td>Vapor pressure</td>
<td>No information available</td>
<td></td>
</tr>
<tr>
<td>Vapor density</td>
<td>No information available</td>
<td></td>
</tr>
<tr>
<td>Relative density</td>
<td>1.000 – 1.0980</td>
<td></td>
</tr>
<tr>
<td>Water solubility</td>
<td>100%</td>
<td></td>
</tr>
<tr>
<td>Solubility in other solvents</td>
<td>No information available</td>
<td></td>
</tr>
<tr>
<td>Partition coefficient: n-octanol/water</td>
<td>No information available</td>
<td></td>
</tr>
<tr>
<td>Autoignition temperature</td>
<td>No information available</td>
<td></td>
</tr>
<tr>
<td>Decomposition temperature</td>
<td>No information available</td>
<td></td>
</tr>
<tr>
<td>Viscosity of Product</td>
<td>100-1100 cps mm2/s</td>
<td></td>
</tr>
<tr>
<td>Oxidizing properties</td>
<td>Not an oxidizing substance</td>
<td></td>
</tr>
<tr>
<td>VOC Content (%)</td>
<td>Products comply with US state and federal regulations for VOC content in consumer products.</td>
<td></td>
</tr>
</tbody>
</table>

**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: None under normal processing.

Materials to avoid: None in particular.

Hazardous Decomposition Products: None under normal use.

**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

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>CAS-No</th>
<th>LD50 Oral</th>
<th>LD50 Dermal</th>
<th>LC50 Inhalation</th>
</tr>
</thead>
<tbody>
<tr>
<td>Poly(oxy-1,2-ethanediyl), alpha-sulfo-omega-hydroxy-, C10-16-alkyl ethers, sodium salts</td>
<td>68585-34-2</td>
<td>&gt;2001 mg/kg</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td>Dodecybenzene Sulfonic Acid</td>
<td>68584-22-5</td>
<td>-</td>
<td>&gt;5000 mg/kg bw (OECD 402)</td>
<td>1.9 mg/L air (OECD 403)</td>
</tr>
<tr>
<td>Citric acid</td>
<td>77-92-9</td>
<td>5400 mg/kg bw (OECD 402)</td>
<td>2000 mg/kg bw (OECD 402)</td>
<td>-</td>
</tr>
<tr>
<td>2-Aminoethanol</td>
<td>141-43-5</td>
<td>1089 mg/kg bw (Similar to OECD 401; standard acute method; rat)</td>
<td>1000 mg/kg (rabbit)</td>
<td>-</td>
</tr>
<tr>
<td>Ethanol</td>
<td>64-17-5</td>
<td>10470 mg/kg bw (OECD 401)</td>
<td>-</td>
<td>116.9 mg/L air (OECD 403)</td>
</tr>
<tr>
<td>Glycine, N,N-bis[2-[bis(carboxymethyl)amino]ethyl]-, sodium salt (1:5)</td>
<td>140-01-2</td>
<td>&gt;5000 mg/kg bw (OECD 401)</td>
<td>&gt;2000 mg/kg bw (OECD 402)</td>
<td>-</td>
</tr>
</tbody>
</table>

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 (non-household setting) 331

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):

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>CAS-No</th>
<th>Hazardous Substances RQs</th>
<th>Extremely Hazardous Substances RQs</th>
<th>CERCLA/SARA 302 TPQ</th>
</tr>
</thead>
<tbody>
<tr>
<td>Sodium hydroxide</td>
<td>1310-73-2</td>
<td>1000 lb</td>
<td>-</td>
<td>1000 lb</td>
</tr>
<tr>
<td>Sulphuric acid ...%</td>
<td>7664-93-9</td>
<td>1000 lb</td>
<td>1000 lb</td>
<td>1000 lb</td>
</tr>
</tbody>
</table>

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):

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>CAS-No</th>
<th>CWA - Reportable Quantities</th>
<th>CWA - Toxic Pollutants</th>
<th>CWA - Priority Pollutants</th>
<th>CWA - Hazardous Substances</th>
</tr>
</thead>
<tbody>
<tr>
<td>Sodium hydroxide</td>
<td>1310-73-2</td>
<td>1000 lb</td>
<td>-</td>
<td>-</td>
<td>X</td>
</tr>
<tr>
<td>Sulphuric acid ...%</td>
<td>7664-93-9</td>
<td>1000 lb</td>
<td>-</td>
<td>-</td>
<td>X</td>
</tr>
</tbody>
</table>

California Proposition 65
This product is not subject to warning labeling under California Proposition 65. Ethanol is only a considered a Proposition 65 developmental hazard when it is ingested as an alcoholic beverage.

U.S. State Regulations (RTK)

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>CAS-No</th>
<th>New Jersey</th>
</tr>
</thead>
<tbody>
<tr>
<td>Propylene glycol</td>
<td>57-55-6</td>
<td>X</td>
</tr>
<tr>
<td>2-Aminoethanol</td>
<td>141-43-5</td>
<td>X</td>
</tr>
<tr>
<td>Ethanol</td>
<td>64-17-5</td>
<td>X</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>CAS-No</th>
<th>Massachusetts</th>
</tr>
</thead>
<tbody>
<tr>
<td>2-Aminoethanol</td>
<td>141-43-5</td>
<td>X</td>
</tr>
<tr>
<td>Ethanol</td>
<td>64-17-5</td>
<td>X</td>
</tr>
<tr>
<td>Disodium tetraborate pentahydrate</td>
<td>12179-04-3</td>
<td>X</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>CAS-No</th>
<th>Pennsylvania</th>
</tr>
</thead>
<tbody>
<tr>
<td>Propylene glycol</td>
<td>57-55-6</td>
<td>X</td>
</tr>
<tr>
<td>2-Aminoethanol</td>
<td>141-43-5</td>
<td>X</td>
</tr>
<tr>
<td>Ethanol</td>
<td>64-17-5</td>
<td>X</td>
</tr>
<tr>
<td>2,2’-Oxybisethanol</td>
<td>111-46-6</td>
<td>X</td>
</tr>
<tr>
<td>Sodium hydroxide</td>
<td>1310-73-2</td>
<td>X</td>
</tr>
<tr>
<td>9-Octadecenoic acid (9Z)-</td>
<td>112-80-1</td>
<td>X</td>
</tr>
<tr>
<td>Sulphuric acid ...%</td>
<td>7664-93-9</td>
<td>X</td>
</tr>
</tbody>
</table>

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
TSCA - United States Toxic Substances Control Act Section 8(b) Inventory
CEPA - Canadian Environmental Protection Act

16. OTHER INFORMATION

Issuing Date: 12-Oct-2015
Revision Date: 11-Jan-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/materail 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