SAFETY DATA SHEET

Issuing Date: 11-Oct-2016  Revision Date: 06-Dec-2016  Version 1.01

This Safety Data Sheet (SDS) is not required under local legislation, implementing the UN Globally Harmonized System (GHS). This SDS is being provided as a courtesy to help assist in the safe handling and proper use of the product.

1. IDENTIFICATION

Product Name: Tide (Ace) with Touch of Downy April Fresh HE
Product Identifier: 91125780_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 2A
Flammable Liquids Category 4

Signal Word WARNING

Hazard Statements
Causes serious eye irritation
Combustible liquid

Hazard pictograms
### Precautionary Statements
- Wash hands thoroughly after handling
- 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
- 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.

<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>MEA-Dodecylbenzenesulfonate</td>
<td>Benzenesulfonic acid, mono-C10-16-alkyl derivs., compds. with ethanolamine</td>
<td>No</td>
<td>68910-32-7</td>
<td>1 - 5</td>
</tr>
<tr>
<td>Benzenesulfonic acid, mono-C10-16-alkyl derivs., sodium salts</td>
<td>Benzenesulfonic acid, mono-C10-16-alkyl derivs., sodium salts</td>
<td>No</td>
<td>68081-81-2</td>
<td>1 - 5</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>2,2'-Oxybisethanol</td>
<td>Ethanol, 2,2'-oxybis-</td>
<td>No</td>
<td>111-46-6</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>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>Disodium tetraborate pentahydrate</td>
<td>Boron sodium oxide (B4Na2O7), pentahydrate</td>
<td>No</td>
<td>12179-04-3</td>
<td>0.5 - 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>0.1 - 1.0</td>
</tr>
<tr>
<td>Tetramethyl Acetyloctahydronaphthalenes</td>
<td>Tetramethyl Acetyloctahydronaphthalenes</td>
<td>No</td>
<td>54464-57-2</td>
<td>0.1 - 1.0</td>
</tr>
<tr>
<td>Alpha-Isomethyl Ionone</td>
<td>3-Buten-2-one, 3-methyl-4-(2,6,6-trimethyl-2-cyclohexen-1-yl)-</td>
<td>No</td>
<td>127-51-5</td>
<td>0.1 - 1.0</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
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.

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

<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>Ethanol</td>
<td>64-17-5</td>
<td>STEL: 1000 ppm</td>
<td>TWA: 1000 ppm TWA: 1900 mg/m³</td>
<td>Mexico: TWA 1000 ppm TWA: 1900 mg/m³</td>
</tr>
<tr>
<td>Disodium tetraborate pentahydrate</td>
<td>12179-04-3</td>
<td>STEL: 6 mg/m³ inhalable fraction TWA: 2 mg/m³ inhalable fraction (vacated) TWA: 10 mg/m³</td>
<td>Mexico: TWA 1 mg/m³</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>CAS-No</th>
<th>Alberta</th>
<th>Quebec</th>
<th>Ontario TWAEV</th>
<th>British Columbia</th>
</tr>
</thead>
<tbody>
<tr>
<td>Propylene glycol</td>
<td>57-55-6</td>
<td>TWA: 1000 ppm TWA: 1880 mg/m³</td>
<td>TWA: 1000 ppm TWA: 1880 mg/m³</td>
<td>TWA: 10 mg/m³ TWA: 155 mg/m³</td>
<td></td>
</tr>
<tr>
<td>Ethanol</td>
<td>64-17-5</td>
<td>STEL: 1000 ppm TWA: 1880 mg/m³</td>
<td>TWA: 1000 ppm TWA: 1880 mg/m³</td>
<td>STEL: 1000 ppm</td>
<td></td>
</tr>
<tr>
<td>Disodium tetraborate pentahydrate</td>
<td>12179-04-3</td>
<td>TWA: 1 mg/m³ STEL: 3 ppm</td>
<td>TWA: 1 mg/m³ STEL: 6 mg/m³</td>
<td>TWA: 2 mg/m³ STEL: 6 mg/m³</td>
<td></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
9. PHYSICAL AND CHEMICAL PROPERTIES

<table>
<thead>
<tr>
<th>Property</th>
<th>Values</th>
<th>Note</th>
</tr>
</thead>
<tbody>
<tr>
<td>Physical State @20°C</td>
<td>Liquid</td>
<td></td>
</tr>
<tr>
<td>Appearance</td>
<td>blue</td>
<td></td>
</tr>
<tr>
<td>Odor</td>
<td>characteristic</td>
<td></td>
</tr>
<tr>
<td>Odor threshold</td>
<td>No information available</td>
<td></td>
</tr>
<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>73 °C / 163.5 °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>No information available</td>
<td></td>
</tr>
<tr>
<td>Water solubility</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>No information available</td>
<td></td>
</tr>
<tr>
<td>VOC Content (%)</td>
<td>No information available</td>
<td></td>
</tr>
</tbody>
</table>

Product is an aqueous solution containing <=24% alcohol and >=50% water. Does not sustain combustion.

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
91125780_RET_NG - Tide (Ace) with Touch of Downy April Fresh HE

Product Information
Information on likely routes of exposure

Inhalation
No known effect.

Skin contact
No known effect.

Ingestion
No known effect.

Eye contact
Causes serious eye irritation.

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
Causes serious eye irritation.

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>Oral LD50</th>
<th>Dermal LD50</th>
<th>Inhalation LC50</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>Glycine, N,N-bis[2-[bis(carboxymethyl)aminoethyl]-, 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

UN no: NA1993
UN Proper shipping name: COMBUSTIBLE LIQUID, N.O.S.
Description: NA1993, COMBUSTIBLE LIQUID, N.O.S. (ETHANOL, DISODIUM TETRABORATE PENTAHYDRATE), III
Hazard Class: Combustible liquid
Packing Group: III
Special Provisions: IB3, T1, T4, TP1
Emergency Response Guide Number: 128
DOT Comment: The shipper is responsible for identifying any exemptions, including Limited Quantity, that may apply based on package size

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 hydrogensulphite ...%</td>
<td>7631-90-5</td>
<td>5000 lb</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td>Sodium hydroxide</td>
<td>1310-73-2</td>
<td>1000 lb</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td>Formic acid</td>
<td>64-18-6</td>
<td>5000 lb</td>
<td>-</td>
<td>-</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 hydrogensulphite ...%</td>
<td>7631-90-5</td>
<td>5000 lb</td>
<td>-</td>
<td>-</td>
<td>X</td>
</tr>
<tr>
<td>Sodium hydroxide</td>
<td>1310-73-2</td>
<td>1000 lb</td>
<td>-</td>
<td>-</td>
<td>X</td>
</tr>
<tr>
<td>Formic acid</td>
<td>64-18-6</td>
<td>5000 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.

U.S. State Regulations (RTK)
Chemical Name | CAS-No | New Jersey | Massachusetts | Pennsylvania |
--- | --- | --- | --- | --- |
Propylene glycol | 57-55-6 | X | | |
Ethanol | 64-17-5 | | X | |
Ethanol | 64-17-5 | | | X |
Propylene glycol | 57-55-6 | | | X |
2,2'-Oxybisethanol | 111-46-6 | | | X |
Ethanol | 64-17-5 | | | X |
Sodium hydrogensulphite ...% | 7631-90-5 | | | X |
Sodium hydroxide | 1310-73-2 | | | 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:** 11-Oct-2016  
**Revision Date:** 06-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