SAFETY DATA SHEET

Product Name: Tide Professional™ SC Laundry Detergent
Product Code(s): 5-10
Product Identifier: 97202555 PROF NG
Product Type: Finished Product - Professional 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 Professional
1 P&G Plaza
Cincinnati, Ohio 45202

Procter & Gamble Inc.
P.O. Box 355, Station A
Toronto, ON M5W 1C5
1-800-332-7787
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

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 2A
Flammable Liquids: Category 4
Flammable Liquids
Signal Word: WARNING

Hazard Statements
Causes serious eye irritation
Harmful if swallowed
Combustible liquid

Hazard pictograms

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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
Dispose of contents/container in accordance with local regulation

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>Ethanol, 2-amino-, 2-hydroxy-1,2,3-propanetricarboxylate (1:?)</td>
<td>Ethanol, 2-amino-, 2-hydroxy-1,2,3-propanetricarboxylate (1:?)</td>
<td>Yes</td>
<td>17863-38-6</td>
<td>3 - 7</td>
</tr>
<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>Yes</td>
<td>68585-34-2</td>
<td>3 - 7</td>
</tr>
<tr>
<td>MEA-Dodecylbenzenesulfonate</td>
<td>Benzenesulfonic acid, mono-C10-16-alkyl derivs., compds. with ethanolamine</td>
<td>Yes</td>
<td>68910-32-7</td>
<td>1 - 5</td>
</tr>
<tr>
<td>Ceteareth-7</td>
<td>Ceteareth-7</td>
<td>Yes</td>
<td>68439-49-6</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>Yes</td>
<td>68081-81-2</td>
<td>1 - 5</td>
</tr>
<tr>
<td>Propylene glycol</td>
<td>Propylene Glycol</td>
<td>Yes</td>
<td>57-55-6</td>
<td>1 - 5</td>
</tr>
<tr>
<td>2,2'-Oxybisethanol</td>
<td>Ethanol, 2,2'-oxybis-</td>
<td>Yes</td>
<td>111-46-6</td>
<td>1 - 5</td>
</tr>
<tr>
<td>Aziridine, homopolymer, ethoxylated</td>
<td>Aziridine, homopolymer, ethoxylated</td>
<td>Yes</td>
<td>68130-99-4</td>
<td>1 - 5</td>
</tr>
<tr>
<td>Dodecanoic acid, sodium salt (1:1)</td>
<td>Dodecanoic acid, sodium salt (1:1)</td>
<td>Yes</td>
<td>629-25-4</td>
<td>1 - 5</td>
</tr>
<tr>
<td>Aziridine, polymer with 2-methyloxirane and oxirane</td>
<td>Aziridine, polymer with 2-methyloxirane and oxirane</td>
<td>Yes</td>
<td>52501-07-2</td>
<td>0.5 - 1.5</td>
</tr>
<tr>
<td>Disodium tetraborate pentahydrate</td>
<td>Boron sodium oxide (B4Na2O7), pentahydrate</td>
<td>Yes</td>
<td>12179-04-3</td>
<td>0.1 - 1</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
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.

F. 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
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.

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  Keep containers tightly closed in a dry, cool and well-ventilated place. 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

### 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>Disodium tetraborate pentahydrate</td>
<td>12179-04-3</td>
<td>STEL: 6 mg/m³ inhalable particulate matter TWA: 2 mg/m³ inhalable particulate matter</td>
<td>(vacated) TWA: 10 mg/m³</td>
<td>Mexico: TWA 1 mg/m³</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: 10 mg/m³ TWA: 50 ppm TWA: 155 mg/m³</td>
<td>TWA: 1 mg/m³</td>
<td>TWA: 2 mg/m³ TWA: 6 mg/m³</td>
<td></td>
</tr>
<tr>
<td>Disodium tetraborate pentahydrate</td>
<td>12179-04-3</td>
<td>TWA: 1 mg/m³ STEL: 3 ppm TWA: 2 mg/m³ STEL: 6 mg/m³</td>
<td>TWA: 1 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

**Skin and Body Protection**

Distribution, Workplace and Household Settings:  

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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

<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>Scented</td>
<td></td>
</tr>
<tr>
<td>Odor threshold</td>
<td>No information available</td>
<td></td>
</tr>
<tr>
<td>pH value</td>
<td>8.1 - 8.5</td>
<td></td>
</tr>
<tr>
<td>Melting Point / Freezing Point</td>
<td>No information available</td>
<td></td>
</tr>
<tr>
<td>Boiling point / boiling range</td>
<td>98.9 - 102 °C / 210 - 216 °F</td>
<td></td>
</tr>
<tr>
<td>Flash point</td>
<td>65.6 °C / 150 °F</td>
<td>Closed cup.</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>100%</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</td>
<td>No information available</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            | 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.

Eye contact
Causes serious eye irritation.

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
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)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 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**

<table>
<thead>
<tr>
<th>DOT</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>UN no</td>
<td>NA1993</td>
</tr>
<tr>
<td>UN Proper shipping name</td>
<td>COMBUSTIBLE LIQUID, N.O.S.</td>
</tr>
<tr>
<td>Description</td>
<td>NA1993, COMBUSTIBLE LIQUID, N.O.S. (ETHANOL, DISODIUM TETRABORATE PENTAHYDRATE), III</td>
</tr>
<tr>
<td>Hazard Class</td>
<td>Combustible liquid</td>
</tr>
<tr>
<td>Packing Group</td>
<td>III</td>
</tr>
<tr>
<td>Special Provisions</td>
<td>IB3, T1, T4, TP1</td>
</tr>
<tr>
<td>Packaging Exceptions</td>
<td>150</td>
</tr>
<tr>
<td>Bulk packaging</td>
<td>241</td>
</tr>
<tr>
<td>Non-bulk Packaging</td>
<td>203</td>
</tr>
<tr>
<td>Emergency Response Guide Number</td>
<td>128</td>
</tr>
<tr>
<td>DOT Comment</td>
<td>The shipper is responsible for identifying any exemptions, including Limited Quantity, that may apply based on package size</td>
</tr>
</tbody>
</table>

**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>-</td>
</tr>
<tr>
<td>Potassium hydroxide</td>
<td>1310-58-3</td>
<td>1000 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 hydroxide</td>
<td>1310-73-2</td>
<td>1000 lb</td>
<td>-</td>
<td>-</td>
<td>X</td>
</tr>
<tr>
<td>Potassium hydroxide</td>
<td>1310-58-3</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.

**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>Chemical Name</td>
<td>CAS-No</td>
<td>Pennsylvania</td>
</tr>
<tr>
<td>-----------------------</td>
<td>---------</td>
<td>--------------</td>
</tr>
<tr>
<td>Propylene glycol</td>
<td>57-55-6</td>
<td>X</td>
</tr>
<tr>
<td>2,2’-Oxybisethanol</td>
<td>111-46-6</td>
<td>X</td>
</tr>
<tr>
<td>Ethanol</td>
<td>64-17-5</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**
United States Toxic Substances Control Act Section 8(b) Inventory (TSCA)
CEPA - Canadian Environmental Protection Act

### 16. OTHER INFORMATION

**HMIS Ratings**

<table>
<thead>
<tr>
<th></th>
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<th>2</th>
<th>0</th>
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</thead>
<tbody>
<tr>
<td>Health hazard</td>
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<td></td>
</tr>
<tr>
<td>Flammability</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Physical hazard</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th></th>
<th>1</th>
<th>2</th>
<th>0</th>
</tr>
</thead>
<tbody>
<tr>
<td>Health hazard</td>
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<td></td>
<td></td>
</tr>
<tr>
<td>Flammability</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Instability</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**Issuing Date:** 20-Apr-2015
**Revision Date:** 14-May-2018

**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