

**1. IDENTIFICATION**

<b>Product Name</b>	Tide Professional™ SC Laundry Detergent
<b>Product Code(s)</b>	5-10
<b>Product Identifier</b>	97202555_PROF_NG
<b>Product Type:</b>	Finished Product - Consumer (Retail) and Professional Use
<b>Recommended use</b>	Laundry Care.
<b>Restrictions on use</b>	Use only as directed on label.
<b>Synonyms</b>	C-97202555-001
<b>Details of the supplier of the safety data sheet</b>	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
<b>E-mail Address</b>	pgsds.im@pg.com
<b>Emergency Telephone</b>	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:.

<b>Hazard Category</b>	
<b>Acute toxicity - Oral</b>	Category 4
<b>Eye Damage / Irritation</b>	Category 2B
<b>Flammable liquids</b>	
<b>Flammable Liquids</b>	Category 4
<b>Signal word</b>	Warning
<b>Hazard statements</b>	Causes eye irritation Harmful if swallowed

**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, CO<sub>2</sub>, dry chemical, or foam for extinction

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

**Precautionary Statements - Disposal** Dispose of contents/container to an approved waste disposal plant Dispose of contents/containers in accordance with local regulations

**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-%
Dodecylbenzene Sulfonic Acid	Benzenesulfonic acid, C10-16-alkyl derivs./ Benzenesulfonic acid, mono-C10-14-alkyl derivs. / Benzenesulfonic acid, 4-C10-13-sec-alkyl derivs.	Yes	68584-22-5	7 - 13
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	Yes	68585-34-2	3 - 7
C14-15 Pareth-n	Alcohols, C14-15, ethoxylated	Yes	68951-67-7	1 - 5
Monoethanolamine	Ethanol, 2-amino-	Yes	141-43-5	1 - 5
Disodium tetraborate pentahydrate	Boron sodium oxide (B <sub>4</sub> Na <sub>2</sub> O <sub>7</sub> ), pentahydrate	Yes	12179-04-3	1 - 5
Benzenesulfonic acid, (1-methylethyl)-, sodium salt (1:1)	Benzenesulfonic acid, (1-methylethyl)-, sodium salt (1:1)	Yes	28348-53-0	0.5 - 1.5
Citric acid	1,2,3-Propanetricarboxylic acid, 2-hydroxy-	Yes	77-92-9	0.5 - 1.5
Ethanol, 2-amino-, compds. with polyethylene glycol hydrogen sulfate C12-15-alkyl ethers (EO=2.5)/Ethanol, 2-amino-, compds. with polyethylene glycol hydrogen sulfate C12-15-branched and linear alkyl ethers (.beta.-branching/EO=2.5)	Ethanol, 2-amino-, compds. with polyethylene glycol hydrogen sulfate C12-15-alkyl ethers (EO=2.5)/Ethanol, 2-amino-, compds. with polyethylene glycol hydrogen sulfate C12-15-branched and linear alkyl ethers (.beta.-branching/EO=2.5)	Yes	162201-45-8	0.5 - 1.5

Alcohol	Ethanol	Yes	64-17-5	0.5 - 1.5
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**Additional information** Actual concentrations withheld as trade secret in accordance with Canadian HPR

#### 4. FIRST AID MEASURES

**Description of first aid measures**

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

**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.

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

**Most important symptoms/effects, acute and delayed** May cause eye irritation

**Indication of any immediate medical attention and special treatment needed**

**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 as required. Do not get in eyes, on skin, or on clothing.

**Advice for emergency responders** Use personal protective equipment as required.

**Environmental precautions** Should not be released into the environment

**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.

**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** No exposure limits noted for ingredient(s).

No relevant exposure guidelines for other ingredients

**Appropriate engineering 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

<b>Physical state</b>	Liquid	
<b>Appearance</b>	blue	
<b>Odor</b>	Scented	
<b>Odor threshold</b>	No information available	
<u>Property</u>	<u>Values</u>	<u>Remarks</u>
<b>pH</b>	8.5	
<b>Melting point / freezing point</b>	No information available	
<b>Initial boiling point and boiling range</b>	98.9 - 102 °C / 210 - 216 °F	
<b>Flash point</b>	65.6 °C / 150.1 °F	Closed cup. Does not sustain combustion. Product is an aqueous solution containing <=24% alcohol and >=50% water.
<b>Evaporation rate</b>	No information available	
<b>Flammability</b>	No information available	
<b>Flammability Limit in Air</b>		
<b>Upper flammability or explosive limits</b>	No information available	
<b>Lower flammability or explosive limits</b>	No information available	
<b>Vapor pressure</b>	No information available	
<b>Relative vapor density</b>	No information available	
<b>Relative density</b>	No information available	
<b>Hyphen</b>	100%	
<b>Partition coefficient</b>	No information available	
<b>Autoignition temperature</b>	No information available	.
<b>Decomposition temperature</b>	No information available	.
<b>Viscosity</b>	No information available	

## 10. STABILITY AND REACTIVITY

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

## 11. TOXICOLOGICAL INFORMATION

### Product Information

#### Information on likely routes of exposure

<b>Inhalation</b>	No known effect.
<b>Skin contact</b>	No known effect.
<b>Ingestion</b>	May be harmful if swallowed.
<b>Eye contact</b>	Irritating to eyes.

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

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

**Component Information**

Chemical Name	CAS No	Oral LD50	Dermal LD50	Inhalation LC50
Dodecylbenzene Sulfonic Acid	68584-22-5	= 775 mg/kg ( Rat )	= 2000 mg/kg ( Rabbit )	-
Poly(oxy-1,2-ethanediyl), alpha-sulfo-omega-hydroxy-, C10-16-alkyl ethers, sodium salts	68585-34-2	>2001 mg/kg	-	-
C14-15 Pareth-n	68951-67-7	> 300 mg/kg bw	> 2000 mg/kg bw	-
Monoethanolamine	141-43-5	1089 mg/kg bw (//OECD 401)	= 1000 mg/kg ( Rabbit )	-
Propylene glycol	57-55-6	22000 mg/kg bw (standard acute method, rat)	> 2000 mg/kg bw (fixed dose procedure, rabbit)	-
Disodium tetraborate pentahydrate	12179-04-3	= 2403 mg/kg ( Rat ) = 2660 mg/kg ( Rat )	> 2000 mg/kg ( Rabbit )	> 2 mg/m <sup>3</sup> ( Rat ) 4 h
Benzenesulfonic acid, (1-methylethyl)-, sodium salt (1:1)	28348-53-0	> 7000 mg/kg bw (OECD 401)	> 2000 mg/kg bw (//OECD 402)	> 6.41 mg/L air
Citric acid	77-92-9	5400 mg/kg bw (//OECD 401)	> 2000 mg/kg bw (OECD 402)	-
Alcohol	64-17-5	10470 mg/kg bw (OECD 401)	-	116.9 mg/L air (//OECD 403)

**12. ECOLOGICAL INFORMATION**

**Ecotoxicity**

Hazardous to the Aquatic Environment.

<b>Persistence and degradability</b>	No information available.
<b>Bioaccumulative potential</b>	No information available.
<b>Mobility</b>	No information available.
<b>Other adverse effects</b>	No information available.

**13. DISPOSAL CONSIDERATIONS**

**Waste treatment methods**

<b>Waste from Residues/Unused Products</b>	Disposal should be in accordance with applicable regional, national and local laws and regulations.
<b>Contaminated packaging</b>	Disposal should be in accordance with applicable regional, national and local laws and regulations.
<b>California Hazardous Waste Codes (non-household setting)</b>	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
Monoethanolamine	141-43-5	X
Propylene glycol	57-55-6	X
Alcohol	64-17-5	X

Chemical Name	CAS No	Massachusetts
Monoethanolamine	141-43-5	X
Disodium tetraborate pentahydrate	12179-04-3	X
Alcohol	64-17-5	X

Chemical Name	CAS No	Pennsylvania
Monoethanolamine	141-43-5	X
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**

**HMIS**

Health hazards	1
Flammability	2
Physical hazards	0

**NFPA**

Health hazards	1
Flammability	2
Instability	0

**Issuing Date:** 20-Apr-2015

**Revision date** 22-Feb-2021

**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**