1. IDENTIFICATION

Product Name: Head & Shoulders Sensitive Scalp Care 2in1
Product ID: 97599682_RET_NG
Product Type: Finished Product - Consumer (Retail) Use Only
Recommended Use: Personal Beauty Care Product.
Manufacturer: The Procter & Gamble Company
Sharon Woods Innovation Center
11510 Reed Hartman Highway
Cincinnati OH 45241
+1 513 626-2500
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:

Eye Damage / Irritation: Category 2B
Signal Word: WARNING

Hazard Statements
Causes eye irritation

Precautionary Statements
Wash hands thoroughly after handling
Wear protective gloves and protective clothing

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

Precautionary Statements - None
Storage

Precautionary Statements - Disposal

None

Hazardous 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>SLE3S</td>
<td>SLE3S</td>
<td>No</td>
<td>68585-34-2</td>
<td>5 - 10</td>
</tr>
<tr>
<td>Sodium Lauryl Sulfate</td>
<td>Sodium Lauryl Sulfate</td>
<td>No</td>
<td>68585-47-7</td>
<td>5 - 10</td>
</tr>
<tr>
<td>Amides, coco, N-hydroxyethyl</td>
<td>Amides, coco, N-hydroxyethyl</td>
<td>No</td>
<td>68140-00-1</td>
<td>1 - 5</td>
</tr>
<tr>
<td>Zinc, bis[1-(hydroxy-kappaO)-2(1H)-pyridinethionato-kappaS2]-, (T-4)-</td>
<td>Zinc, bis[1-(hydroxy-kappaO)-2(1H)-pyridinethionato-kappaS2]-, (T-4)-</td>
<td>No</td>
<td>13463-41-7</td>
<td>0.5 - 1.5</td>
</tr>
</tbody>
</table>

4. FIRST AID MEASURES

First aid measures for different exposure routes

Eye contact

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.

Skin contact

IF ON SKIN: Wash with plenty of soap and water. If skin irritation or rash occurs: Get medical advice/attention.

Ingestion

Not an expected route of exposure. If swallowed: Clean mouth with water and afterwards drink plenty of water.

Inhalation

IF INHALED: Remove to fresh air and keep at rest in a position comfortable for breathing. IF exposed or concerned: Get medical advice/attention.

Most important symptoms/effects, acute and delayed

May cause eye irritation.

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

Notes to Physician

Treat symptomatically.

5. FIRE-FIGHTING MEASURES

Suitable extinguishing media

Dry chemical. Alcohol-resistant foam. Carbon dioxide (CO₂).

Unsuitable Extinguishing Media

None.

Special hazard

Containers may explode when heated. Keep containers and surroundings cool with water spray.

Special protective equipment for fire-fighters

Dike fire-control water for later disposal. Fight fire with normal precautions from a reasonable distance.
Specific hazards arising from the chemical

None.

### 6. ACCIDENTAL RELEASE MEASURES

**Personal precautions, protective equipment and emergency procedures**

**Personal precautions**
None under normal use conditions.

**Advice for emergency responders**
In the case of vapor formation use a respirator with an approved filter.

**Methods and materials for containment and cleaning up**

**Methods for containment**
Contain the spill. The product should not be allowed to enter drains, water courses or the soil.

**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**
Handle in accordance with good industrial hygiene and safety practice.

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

**Exposure controls**

**Engineering Measures**
No information available

**Personal Protective Equipment**

**Eye Protection**
Manufacturing Sites: Safety glasses with side-shields

**Distribution, Workplace and Household Settings:**
No special protective equipment required

**Hand Protection**
No special protective equipment required

**Skin and Body Protection**
No special protective equipment required

**Respiratory Protection**
No special protective equipment required

### 9. PHYSICAL AND CHEMICAL PROPERTIES

**Physical State @20°C**
Liquid
Appearance | white Creamy liquid
Odor | characteristic
Odor threshold | All our products don't have substances deriving inhalation health risk

<table>
<thead>
<tr>
<th>Property</th>
<th>Values</th>
<th>Note</th>
</tr>
</thead>
<tbody>
<tr>
<td>pH value</td>
<td>6.5 - 8.6</td>
<td>Not available. This property is not relevant for the safety and classification of this product</td>
</tr>
<tr>
<td>Melting/freezing point</td>
<td>Not 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>Not Applicable</td>
<td></td>
</tr>
<tr>
<td>Evaporation rate</td>
<td>Not available</td>
<td></td>
</tr>
<tr>
<td>Flammability (solid, gas)</td>
<td>Not available</td>
<td></td>
</tr>
<tr>
<td>Flammability Limits in Air</td>
<td>No information available</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>Not available</td>
<td></td>
</tr>
<tr>
<td>Relative density</td>
<td>No information available</td>
<td></td>
</tr>
<tr>
<td>Water solubility</td>
<td>Not 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>Not available</td>
<td></td>
</tr>
<tr>
<td>Decomposition temperature</td>
<td>Not available</td>
<td></td>
</tr>
<tr>
<td>Viscosity of Product</td>
<td>No information available</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.

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 | Avoid contact with eyes. 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 | 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>LD50 Oral</th>
<th>LD50 Dermal</th>
<th>LC50 Inhalation</th>
</tr>
</thead>
<tbody>
<tr>
<td>SLE3S</td>
<td>68585-34-2</td>
<td>4100 mg/kg/bw (OECD 401)</td>
<td>&gt;2000 mg/kg/bw (OECD 402)</td>
<td>-</td>
</tr>
<tr>
<td>Zinc, bis[1-(hydroxy-kappaO)-2(1H)-pyridinethionato-kappaS2]-, (T-4)-</td>
<td>13463-41-7</td>
<td>269 mg/kg bw (OECD 401)</td>
<td>&gt; 2000 mg/kg bw (US EPA OPP 81-2)</td>
<td>1.03 mg/L air (OECD 403)</td>
</tr>
</tbody>
</table>

12. ECOLOGICAL INFORMATION

Ecotoxicity

Hazardous to the Aquatic Environment.

Persistence and degradability  
No information available.

Bioaccumulative potential  
.

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.

14. TRANSPORT INFORMATION

DOT

UN no  
UN3082

UN Proper shipping name  
ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S.

Description  
UN3082, Environmentally hazardous substance, liquid, n.o.s. (Zinc, bis[1-(hydroxy-kappaO)-2(1H)-pyridinethionato-kappaS2]-, (T-4)-, Cellulose, ether with a-[2-hydroxy-3-(trimethylammonio)propyl]-omega-hydroxy(poly(oxy-1,2-ethanediyl), chloride), , 9, III

Hazard Class  
9

Packing Group  
III

Marine pollutant  
Marine pollutant.

Emergency Response Guide Number  
171

IMDG

UN Number  
UN3082

UN Proper shipping name  
Environmentally hazardous substance, liquid, n.o.s.
Description
UN3082, Environmentally hazardous substance, liquid, n.o.s. (Zinc, bis[1-(hydroxy-kappaO)-2(1H)-pyridinethionato-kappaS2]-, (T-4)-, Cellulose, ether with a-[2-hydroxy-3-(trimethylammonio)propyl]-omega-hydroxypoly(oxy-1,2-ethanediyl), chloride), 9, III

Transport hazard class(es) 9
Packing Group III
EmS-No F-A, S-F

IATA
UN no UN3082
UN Proper shipping name Environmentally hazardous substance, liquid, n.o.s.
Description UN3082, Environmentally hazardous substance, liquid, n.o.s. (Zinc, bis[1-(hydroxy-kappaO)-2(1H)-pyridinethionato-kappaS2]-, (T-4)-, Cellulose, ether with a-[2-hydroxy-3-(trimethylammonio)propyl]-omega-hydroxypoly(oxy-1,2-ethanediyl), chloride), 9, III

Hazard Class 9
Packing Group III
ERG Code 9L

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>Hydrogen chloride</td>
<td>7647-01-0</td>
<td>5000 lb</td>
<td>5000 lb</td>
<td>500 lb</td>
</tr>
<tr>
<td>Sodium hydroxide</td>
<td>1310-73-2</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 contains the following substance(s) which are either listed as hazardous air pollutants (HAPS) or VOC’s per the Clean Air Act:

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>CAS-No</th>
<th>CAA (Clean Air Act) - 1990 Hazardous Air Pollutants</th>
</tr>
</thead>
<tbody>
<tr>
<td>Hydrogen chloride</td>
<td>7647-01-0</td>
<td>X</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>Volatile organic compounds</th>
</tr>
</thead>
<tbody>
<tr>
<td>1-Hexadecanol</td>
<td>Present</td>
</tr>
<tr>
<td>Glycerin</td>
<td>Present</td>
</tr>
<tr>
<td>Benzoic acid, sodium salt (1:1)</td>
<td>Present</td>
</tr>
</tbody>
</table>

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>Hydrogen chloride</td>
<td>7647-01-0</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>
</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>Pennsylvania</th>
</tr>
</thead>
<tbody>
<tr>
<td>Hydrogen chloride</td>
<td>7647-01-0</td>
<td>X</td>
</tr>
<tr>
<td>Glycerin</td>
<td>56-81-5</td>
<td>X</td>
</tr>
<tr>
<td>Sodium hydroxide</td>
<td>1310-73-2</td>
<td>X</td>
</tr>
</tbody>
</table>

**International Inventories**

**United States**
For R&D Use Only.

**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:** 10-Mar-2016  
**Revision Date:** 10-Mar-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