

# Material Safety Data Sheet



**Issuing Date:** 27-Mar-2013

**Revision Date:** 27-May-2014

**Version 2**

## 1. PRODUCT AND COMPANY INFORMATION

<b>Product ID:</b>	92231187
<b>Product Name</b>	Nioxin Scalp Recovery Moisturizing Conditioner
<b>Product Type</b>	Finished Product - Consumer (Retail) and Professional Use
<b>Recommended Use</b>	Personal Beauty Care Product
<b>Synonyms</b>	No information available
<b>Manufacturer</b>	The Procter & Gamble CompanySharon Woods Innovation Center11510 Reed Hartman HighwayCincinnati OH 45241
<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. HAZARDS IDENTIFICATION

### Emergency Overview

<b>OSHA regulatory status</b>	Consumer Products as defined by the U.S. Consumer Product Safety Act which are used as intended (typical consumer duration and frequency) are exempt from the OSHA Hazard Communication Standard. When used in a professional setting (at a much higher frequency and duration than a typical consumer) this material would NOT be considered hazardous by the OSHA Hazard Communication Standard (29 CFR 1910.1200).
<b>WHMIS</b>	Not subject to WHMIS classification.
<b>Principle routes of exposure</b>	None reasonably foreseeable.
<b>General hazards</b>	This is a personal care or cosmetic product that is safe for consumers and other users under normal and reasonably foreseeable use.

### 3. COMPOSITION/INFORMATION ON INGREDIENTS

#### Hazardous ingredients

Chemical Name	CAS-No	Weight %
1-Octadecanol	112-92-5	1 - 5
Octadecanamide, N-[3-(dimethylamino)propyl]-	7651-02-7	1 - 5
Zinc, bis[1-(hydroxy-kappaO)-2(1H)-pyridinethionato-kappaS2]-, (T-4)-	13463-41-7	0.1 - 1

### 4. FIRST AID MEASURES

<b>General advice</b>	No hazards which require special first aid measures. When symptoms persist or in all cases of doubt seek medical advice.
<b>Eye contact</b>	Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Remove contact lenses, if present, after the first 5 minutes, then continue rinsing. If symptoms persist, call a physician.
<b>Skin contact</b>	If skin problems occur, discontinue use. If symptoms persist, call a physician.
<b>Ingestion</b>	Clean mouth with water and afterwards drink plenty of water. Do NOT induce vomiting. If symptoms persist, call a physician.
<b>Inhalation</b>	Move to fresh air.
<b>Protection of first-aiders</b>	Use personal protective equipment.
<b>Most important symptoms/effects, acute and delayed</b>	None known.
<b>Notes to Physician</b>	Treat symptomatically.

### 5. FIRE-FIGHTING MEASURES

<b>Flash point</b>	Not Applicable
<b>Suitable extinguishing media</b>	Dry chemical, CO <sub>2</sub> , water spray or alcohol-resistant foam.
<b>Extinguishing media which shall not be used for safety reasons</b>	No information available.
<b>Special hazard</b>	None known based on information supplied.
<b>Special protective equipment for fire-fighters</b>	As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.

### 6. ACCIDENTAL RELEASE MEASURES

<b>Personal precautions</b>	None under normal use conditions.
<b>Advice for emergency responders</b>	Use personal protective equipment.
<b>Environmental precautions</b>	<b>Household:</b> Do not discharge product into natural waters without pre-treatment or adequate dilution. <b>Non-household:</b> Should not be released into the environment.

<b>Methods for containment</b>	<b>Non-household:</b> Prevent further leakage or spillage if safe to do so. Prevent product from entering drains.
<b>Methods for cleaning up</b>	<b>Non-household:</b> 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

**Advice on safe handling** Keep out of the reach of children. Observe label precautions.

**Technical measures/Storage conditions** Keep out of the reach of children. Keep containers tightly closed in a dry, cool and well-ventilated place.

## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

**Exposure Guidelines** This product does not contain any hazardous materials with occupational exposure limits established by the region specific regulatory bodies.

**Engineering Measures** Not applicable.

### Personal Protective Equipment

**Eye Protection** 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.

**Thermal hazards** Not applicable.

**Hygiene measures** None under normal use conditions.

**Environmental exposure controls** See section 6 for more information.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

**Physical State @20°C** liquid  
**Appearance** white. Off-white.  
**Odor** Mint-like

<b>Property</b>	<b>Values</b>	<b>Note</b>
pH value	4.0 - 5.5	
Melting/freezing point	No information available	
Boiling point/boiling range	Not Applicable	
Flash point	Not Applicable	
Evaporation rate	No information available	
flammability (solid, gas)	Not applicable	
Flammability Limits in Air		
Upper flammability limit	No information available	
Lower Flammability Limit	No information available	
Vapor pressure	No information available	
Vapor density	No information available	
Relative density	No information available	
Water solubility	No information available	
Solubility in other solvents	No information available	
Partition coefficient: n-octanol/water	No information available	
Autoignition temperature	No information available	.
Decomposition temperature	No information available	.
Viscosity of Product	No information available	
Bulk Density	No information available	

<b>Chemical Name</b>	<b>Partition Coefficient (n-octanol/water)</b>
1-Octadecanol	7.4 (Guideline: ASTM E 1147, HPLC method)
Zinc, bis[1-(hydroxy-kappaO)-2(1H)-pyridinethionato-kappaS2]-, (T-4)-	0.9

**VOC Content (%)** Products comply with US state and federal regulations for VOC content in consumer products.  
**Oxidizing properties** Not applicable

## 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>	None under normal processing.
<b>Materials to avoid</b>	None in particular.
<b>Hazardous Decomposition Products</b>	None under normal use.

## 11. TOXICOLOGICAL INFORMATION

### Product Information

#### Acute toxicity

Product does not present an acute toxicity hazard based on known or supplied information.

##### **Inhalation**

No known effect based on information supplied.

##### **Skin contact**

No known effect based on information supplied.

##### **Ingestion**

No known effect based on information supplied.

##### **Eye contact**

No known effect based on information supplied.

Chemical Name	CAS-No	LD50 Oral	LD50 Dermal	LC50 Inhalation
1-Octadecanol	112-92-5	> 2000 mg/kg bw (OECD 401, rat)	> 2,000 mg/kg bw (Rabbit)	-
Octadecanamide, N-[3-(dimethylamino)propyl]-	7651-02-7	Low acute toxicity in rats with a LD50 values exceeding 2000 mg/kg bw	Low acute toxicity in rabbits with LD50 values exceeding 2000 mg/kg bw (read-across from related substance)	-
Zinc, bis[1-(hydroxy-kappaO)-2(1H)-pyridine thionato-kappaS2]-, (T-4)-	13463-41-7	269 mg/kg bw (OECD 401, rat)	> 2000 mg/kg bw (EPA OPP 81-2, rat)	1.03 mg/L air (OECD 403, rat)

#### Chronic Toxicity

##### **Corrosivity**

No known effect.

##### **Sensitization**

No known effect.

##### **Neurological Effects**

No known effect.

##### **Reproductive toxicity**

The product contains no substances known to be hazardous to health in concentrations which need to be taken into account.

##### **Germ cell mutagenicity**

There are no known mutagenic chemicals in this product.

##### **Developmental toxicity**

No known effect.

##### **Teratogenicity**

No known effect.

##### **Carcinogenicity**

Contains no ingredients above reportable quantities listed as a carcinogen.

## 12. ECOLOGICAL INFORMATION

### Ecotoxicity

Chemical Name	CAS-No	Toxicity to algae	Toxicity to fish	Toxicity to Microorganisms	Toxicity to daphnia and other aquatic invertebrates	Toxicity to other organisms
1-Octadecanol	112-92-5	> 100 mg/L (OECD 201, <i>Scenedesmus subspicatus</i> )	> 0.4 mg/L (EU Method C.1, <i>Salmo gairdneri</i> , semi-static)	EC0: > 10000 mg/L ( <i>Pseudomonas putida</i> )	1700 mg/L (Guideline: German Industry Standard DIN 38412, Part 11; May 1984, <i>Daphnia magna</i> , static)	-
Octadecanamide, N-[3-(dimethylamino)propyl]-	7651-02-7	ErC50 (72h) = 0.14 mg/L ErC10 (72h) = 0.07 mg/L	LC50 (96h) = >0.1 -<1 mg/L NOEC = 0.1 mg/L	NOEC = 100 mg/L	EC50 (48h) = 0.38 mg/L NOEC = 0.2 mg/L	-
Zinc, bis[1-(hydroxy-kappaO)-2(1H)-pyridinethionato-kappaS2]-, (T-4)-	13463-41-7	0.0013 mg/L (Guideline EPA OPP 122-2, static, <i>Skeletonema costatum</i> )	0.0026 mg/L (EPA OPP 72-1, flow-through, <i>Pimephales promelas</i> )	2.4 mg/L (OECD 209, static, activated sludge)	0.0082 mg/L (EPA OPP 72-2, flow-through, <i>Daphnia magna</i> )	-
Chemical Name	CAS-No	Toxicity to algae	Toxicity to fish	Toxicity to Microorganisms	Toxicity to daphnia and other aquatic invertebrates	Toxicity to other organisms
Zinc, bis[1-(hydroxy-kappaO)-2(1H)-pyridinethionato-kappaS2]-, (T-4)-	13463-41-7	NOEC: 0.46 µg/L (0.00046 mg/L)	NOEC: 1.22 µg/L (0.00122 mg/L)	0.1 mg/L (OECD 209, static, activated sludge)	NOEC: 2.28 µg/L (0.00228 mg/L)	

### **Persistence and degradability**

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Chemical Name	Ready Test Results	Persistence and degradability
1-Octadecanol	67% (activated sludge, readily biodegradable, but failing 10-day window)	Half life: 1.1 day (sediment, primary degradation, for readily bioavailable test material), 34.7 day (sediment, primary degradation, less bioavailable test material)
Zinc, bis[1-(hydroxy-kappaO)-2(1H)-pyridinethionato-kappaS2]-, (T-4)-	39% (OECD 301 B)	t1/2: 17 hours (River water at ambient temperature)

### **Bioaccumulative potential**

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Chemical Name	Bioconcentration factor (BCF)
1-Octadecanol	100000 L/kg (Calculated value)
Zinc, bis[1-(hydroxy-kappaO)-2(1H)-pyridinethionato-kappaS2]-, (T-4)-	11 (OECD 305 E, <i>Crassostrea virginica</i> )

### **Mobility**

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Chemical Name	KOC Values
1-Octadecanol	471350 L/Kg (adsorption, batch equilibrium method)
Octadecanamide, N-[3-(dimethylamino)propyl]-	Koc = ~1,000-500,000
Zinc, bis[1-(hydroxy-kappaO)-2(1H)-pyridinethionato-kappaS2]-, (T-4)-	Koc (adsorption): 2347 (Soil #1 sandy loam), 783 (Soil #2 loam), 10632 (Sediment #1 sandy loam) and 3596 (Sediment #2 silt loam); Koc (desorption): 3,293 (Soil #1 sandy loam), 873 (Soil #2 loam), 21814 (Sediment #1 sandy loam) and 6523 (Sediment #2 silt loam)

### **Other adverse effects**

No information available.

## 13. DISPOSAL CONSIDERATIONS

**Waste from Residues / Unused Products** **Household:** Do not discharge product into natural waters without pre-treatment or adequate dilution. **Non-household:** Should not be released into the environment. Dispose of in accordance with local regulations.

**Contaminated packaging** Dispose of in accordance with local regulations.

**California Hazardous Waste Codes** 561  
(non-household setting)

#### 14. TRANSPORT INFORMATION

<u>DOT</u>	Not regulated
<u>TDG</u>	Not regulated
<u>MEX</u>	Not regulated
<u>IATA</u>	Not regulated
<u>ICAO</u>	Not regulated
<u>IMDG</u>	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.

##### **SARA 311/312 Hazard Categories**

Acute Health Hazard	No
Chronic Health Hazard	No
Fire Hazard	No
Sudden release of pressure hazard	No
Reactive Hazard	No

##### **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.

##### **Food and Drug Administration (FDA)**

The product described in this Material Safety Data Sheet is regulated under the Federal Food, Drug, and Cosmetics Act and is safe to use as per directions on container, box or accompanying literature (where applicable).

##### **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:.

Chemical Name	CAS-No	CAA (Clean Air Act) - 1990 Hazardous Air Pollutants
2-Phenoxyethanol	122-99-6	X

##### **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):

Chemical Name	CWA - Reportable Quantities	CWA - Toxic Pollutants	CWA - Priority Pollutants	CWA - Hazardous Substances

Zinc, bis[1-(hydroxy-kappaO)-2(1H)-pyridinethionato-kappaS2]-, (T-4)-	-	X	-	-
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#### U.S. State Regulations (RTK)

Chemical Name	Pennsylvania
Zinc, bis[1-(hydroxy-kappaO)-2(1H)-pyridinethionato-kappaS2]-, (T-4)-	X
2-Phenoxyethanol	X
Benzyl alcohol	X
Propylene glycol	X

#### **California Proposition 65**

This product is not subject to warning labeling under California Proposition 65.

#### International Regulations

##### **Canada**

##### **WHMIS Hazard Class**

Not subject to WHMIS classification.

##### **WHMIS Statement**

This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations (CPR) and the MSDS contains all the information required by the CPR. This product is regulated by the Food and Drug Administration of Health Canada and is therefore exempt from the requirements of CEPA.

#### International Inventories

##### **TSCA**

Product is a personal care product and regulated under FDA.

##### **CEPA**

P&G Canadian Regulatory reviewed finished products to ensure CEPA Compliance.

Perfumes contained with the products comply with appropriate IFRA guidance.

##### Legend

**TSCA** - United States Toxic Substances Control Act Section 8(b) Inventory

**CEPA** - Canadian Environmental Protection Act

#### **16. OTHER INFORMATION**

##### **NFPA Ratings**

**Issuing Date:** 27-Mar-2013  
**Revision Date:** 27-May-2014

##### **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 MSDS**