

Material Safety Data Sheet



Issuing Date: 27-May-2014

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Version 1

1. PRODUCT AND COMPANY INFORMATION

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

Emergency Overview

OSHA regulatory status	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).
WHMIS	Not subject to WHMIS classification.
Principle routes of exposure	None reasonably foreseeable.
General hazards	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

General advice	No hazards which require special first aid measures. When symptoms persist or in all cases of doubt seek medical advice.
Eye contact	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.
Skin contact	If skin problems occur, discontinue use. If symptoms persist, call a physician.
Ingestion	Clean mouth with water and afterwards drink plenty of water. Do NOT induce vomiting. If symptoms persist, call a physician.
Inhalation	Move to fresh air.
Protection of first-aiders	Use personal protective equipment.
Most important symptoms/effects, acute and delayed	None known.
Notes to Physician	Treat symptomatically.

5. FIRE-FIGHTING MEASURES

Flash point	Not Applicable
Suitable extinguishing media	Dry chemical, CO ₂ , water spray or alcohol-resistant foam.
Extinguishing media which shall not be used for safety reasons	No information available.
Special hazard	None known based on information supplied.
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.

6. ACCIDENTAL RELEASE MEASURES

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

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

Property**Values****Note**

pH value

4.0 - 5.5

Melting/freezing point

No information available

Boiling point/boiling range

No information available

Flash point

Not Applicable

Evaporation rate

No information available

flammability (solid, gas)

No information available

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

Chemical Name**Partition Coefficient (n-octanol/water)**

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

No information available

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.

Hazardous Decomposition Products 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

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

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

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

DOT	Not regulated
TDG	Not regulated
MEX	Not regulated
IATA	Not regulated
ICAO	Not regulated
IMDG	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
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Zinc, bis[1-(hydroxy-kappaO)-2 (1H)-pyridinethionato-kap paS2]-, (T-4)-	-	X	-	-
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U.S. State Regulations (RTK)

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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

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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