

Material Safety Data Sheet



Issuing Date: 27-Mar-2013

Revision Date: 27-Mar-2013

Version 1

1. PRODUCT AND COMPANY IDENTIFICATION

| | |
|----------------------------|---|
| Product ID: | 92238238 |
| Product name | Nioxin Scalp Recovery Soothing Serum |
| Product Type | Finished Product - Consumer (Retail) and Professional Use |
| Recommended use | Personal Beauty Care Product |
| Synonyms | No information available |
| Manufacturer | The Procter & Gamble Company Sharon Woods Innovation Center 11510 Reed Hartman Highway Cincinnati OH 45202 |
| 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: 01-800-681-9531 |

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

| Chemical Name | CAS-No | Weight % |
|--|------------|----------|
| 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 | No information available |
| 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. |
| 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. |

9. PHYSICAL AND CHEMICAL PROPERTIES

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

| <u>Property</u> | <u>Values</u> | <u>Note</u> |
|--|--------------------------|-------------|
| pH VALUE | 5.0 - 6.5 | |
| melting/freezing point | No information available | |
| Boiling point/boiling range | No information available | |
| Flash Point | No information available | |
| 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) |
|---|--|
| 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 | LD50 Oral | LD50 Dermal | LC50 Inhalation |
|---|------------------------------|-------------------------------------|-------------------------------|
| Zinc, bis[1-(hydroxy-kappaO)-2(1H)-pyridinethionato-kappaS2]-, (T-4)- | 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.

MUTAGENIC EFFECTS

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

Acute Toxicity

| Chemical Name | 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)- | 0.0013 mg/L (Guideline EPA OPP 122-2, static, Skeletonema costatum) | 0.0026 mg/L (EPA OPP 72-1, static, activated sludge, Pimephales promelas) | 2.4 mg/L (OECD 209, static, activated sludge) | 0.0082 mg/L (EPA OPP 72-2, flow-through, Daphnia magna) | - |

| Chemical Name | 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)- | | | 0.1 mg/L (OECD 209, static, activated sludge) | | |

Persistence and degradability

| Chemical Name | Ready Test Results | Other Degradability / Persistence Test Results |
|---|--------------------|---|
| 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) |
|---|--|
| Zinc, bis[1-(hydroxy-kappaO)-2(1H)-pyridinethionato-kappaS2]-, (T-4)- | 11 (OECD 305 E, Crassostrea virginica) |

Mobility

| Chemical Name | KOC Values |
|---|---|
| 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 331
(non-household setting)

14. TRANSPORT INFORMATION

| | |
|-----------------|---------------|
| <u>DOT</u> | Not regulated |
| <u>TDG</u> | Not regulated |
| <u>MEX</u> | Not regulated |
| <u>ATA</u> | Not regulated |
| <u>ICAO</u> | Not regulated |
| <u>IMDG/IMO</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 | CAA (Clean Air Act) - 1990 Hazardous Air Pollutants |
|------------------|---|
| 2-Phenoxyethanol | 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 | - | - |

U.S. State Regulations

California Proposition 65

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

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

International Regulations

Canada

WHMIS Hazard Class

Not subject to WHMIS classification

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 |
| DSL | Exempt |
| NDSL | Exempt |

Perfumes contained with the products comply with appropriate IFRA guidance.

Legend

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

DSL/NDSL - Canadian Domestic Substances List/Non-Domestic Substances List

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