

# Material Safety Data Sheet



**Issuing Date:** 24-Jul-2014

**Revision Date:** 24-Jul-2014

**Version** 1.01

## 1. PRODUCT AND COMPANY INFORMATION

|                            |  |
|----------------------------|--|
| <b>Product ID:</b>         | 92276528_PROF_NA   |
| <b>Product Name</b>        | Nioxin 3D Styling Definition Creme   |
| <b>Product Type</b>        | Finished Product - Consumer (Retail) and Professional Use  |
| <b>Recommended Use</b>     | Personal Beauty Care Product   |
| <b>Synonyms</b>            | Nioxin Volume Texture Creme  |
| <b>Manufacturer</b>        | The Procter & Gamble Company<br>Sharon Woods Innovation Center<br>11510 Reed Hartman Highway<br>Cincinnati OH 45241                  |
| <b>E-mail Address</b>      | pgsds.im@pg.com  |
| <b>Emergency Telephone</b> | Transportation (24 HR)<br>CHEMTREC - 1-800-424-9300<br>(U.S./ Canada) or 1-703-527-3887<br>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 % |
|-------------------------------|-----------|----------|
| Propylene glycol              | 57-55-6   | 1 - 5    |
| 2-Amino-2-methylpropanol      | 124-68-5  | 1 - 5    |
| 2-Propenoic acid, homopolymer | 9003-01-4 | 1 - 5    |
| Phenoxyethanol                | 122-99-6  | 1 - 5    |

**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.   |

**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**

Exposure guidelines are not relevant when product is used as intended in a household setting.

| Chemical Name    | CAS-No   | Alberta | Quebec | Ontario TWAEV  | British Columbia |
|------------------|----------|---------|--------|--|------------------|
| Propylene glycol | 57-55-6  |         |        | TWA: 10 mg/m <sup>3</sup><br>TWA: 50 ppm<br>TWA: 155 mg/m <sup>3</sup> |                  |
| Phenoxyethanol   | 122-99-6 |         |        | TWA: 25 ppm<br>TWA: 141 mg/m <sup>3</sup><br>Skin                      |                  |

**Legend:**

TLV - Threshold Limit Value

TWAEV - Time Weighted Average Exposure Value

ACGIH: (American Conference of Governmental Industrial Hygienists)

OSHA: (Occupational Safety & Health Administration)

PEL - Permissible Exposure Limit

**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. Cream/ Lotion.

Odor

Mint-like

**Property****Values****Note**

pH value

6.5

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

6000-18000 millipascal seconds

Bulk Density

No information available

| Chemical Name   | Partition Coefficient (n-octanol/water)                         |
|---|---|
| Cyclopentasiloxane, 2,2,4,4,6,6,8,8,10,10-decamethyl- | 8.023   |
| Propylene glycol                                      | -1.07   |
| 2-Amino-2-methylpropanol                              | -0.63   |
| Phenoxyethanol  | 1.2 (at 23 C with pH: 5-9; EU Method A.8 (shake-flask method )) |

VOC Content (%)

Products comply with US state and federal regulations for VOC content in consumer products.

Oxidizing properties

Not applicable

## 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

|                       |   |
|-----------------------|---|
| <b>Acute toxicity</b> | Product does not present an acute toxicity hazard based on known or supplied information. |
| <b>Inhalation</b>     | No known effect based on information supplied.  |
| <b>Skin contact</b>   | No known effect based on information supplied.  |
| <b>Ingestion</b>      | No known effect based on information supplied.  |
| <b>Eye contact</b>    | No known effect based on information supplied.  |

| Chemical Name  | CAS-No   | LD50 Oral   | LD50 Dermal   | LC50 Inhalation  |
|--|----------|---|---|--|
| Cyclopentasiloxane,<br>2,2,4,4,6,6,8,8,10,10-decamethyl- | 541-02-6 | > 5000 mg/kg bw (Similar to OECD 401; standard acute method; rat) | > 2000 mg/kg bw (Similar to OECD 402; standard acute method; rabbit)    | 8.67 mg/L air (OECD 403 and EPA OTS 798.1150; standard acute method; rat; 4 h) |
| Propylene glycol   | 57-55-6  | 22000 mg/kg (rat)   | > 2000 mg/kg bw (Guideline not indicated; fixed dose procedure; rabbit) | > 317.042 mg/L (Guideline not indicated; rabbit; 2 h)                          |
| 2-Amino-2-methylpropanol                                 | 124-68-5 | 2900 mg/kg bw (Similar to OECD 401; standard acute method; rat)   | > 2000 mg/kg bw (Similar to OECD 402; standard acute method; rabbit)    | -  |
| Phenoxyethanol   | 122-99-6 | 1850 mg/kg (rat)  | 2214 mg/kg (rat)  | > 1 mg/L (OECD 412, rat)   |

### Chronic Toxicity

|                               |   |
|-------------------------------|---|
| <b>Corrosivity</b>            | No known effect.  |
| <b>Sensitization</b>          | No known effect.  |
| <b>Neurological Effects</b>   | No known effect.  |
| <b>Reproductive toxicity</b>  | The product contains no substances known to be hazardous to health in concentrations which need to be taken into account. |
| <b>Germ cell mutagenicity</b> | There are no known mutagenic chemicals in this product.   |
| <b>Developmental toxicity</b> | No known effect.  |
| <b>Teratogenicity</b>         | No known effect.  |
| <b>Carcinogenicity</b>        | 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  |
|---|----------|---|---|---|---|--|
| Cyclopentasiloxane, 2,2,4,4,6,6,8,8,10,10-decamethyl- | 541-02-6 | > 0.012 mg/L (OECD 201 and EPA OTS 797.1050; <i>Pseudokirchneriella subcapitata</i> ; static; freshwater; cell density and growth rate; based on active ingredient; 96 h) | > 0.016 mg/L (OECD 204, ASTM E729-96 and EPA-660/3-75-009; <i>Oncorhynchus mykiss</i> ; flow-through; freshwater; based on active ingredient)   | EC50: > 2000 mg/L (EU Method C.11; activated sludge, domestic; static; respiration rate)                                      | > 0.0029 mg/L (OECD 202, ASTM E729-96 and EPA-660/3-75-009; <i>Daphnia magna</i> ; flow-through; freshwater)  | 257 mg/kg sediment dw (OECD 218; <i>Chironomus riparius</i> ; semi-static; freshwater; artificial sediment; 28 d)                  |
| Propylene glycol                                      | 57-55-6  | 19300 (OECD 201; <i>Skeletonema costatum</i> ; static; saltwater; growth rate)  | 40613 mg/L (Guideline: Environment Canada (1990); <i>Oncorhynchus mykiss</i> ; static; freshwater)  | -   | 18800 mg/L (Guideline: US EPA FIFRA 72-3 (TSCA 797.1950); <i>Americamysis bahia</i> ; static; saltwater; mortality)   | 6983 mg/kg sediment dw (Guideline: OSPARCOM guidelines; <i>Corophium volutator</i> ; short-term toxicity; static; saltwater; 10 d) |
| 2-Amino-2-methylpropanol                              | 124-68-5 | 402 mg/L (Similar to OECD 201; static; <i>Scenedesmus</i> sp.; freshwater; biomass)   | 190 mg/L (Guideline: Methods of Acute Toxicity Tests with Fish, Macro invertebrates and Amphibians. Stephan, C. E., Chairman. 1975. Committee on Methods for Toxicity Tests with Aquatic Organisms. U.S. EPA, Ecol. Res. Ser. 660/3-75009; <i>Lepomis macrochirus</i> ; static; freshwater) | EC50: 342.9 mg/L (OECD 209 and EU Method C.11; static; activated sludge of a predominantly domestic sewage; respiration rate) | LC50: 193 mg/L (Guideline: Methods of Acute Toxicity Tests with Fish, Macro invertebrates, and Amphibians" (USEPA, 1975); <i>Daphnia magna</i> ; static; freshwater; mortality) | -  |
| Phenoxyethanol  | 122-99-6 | 443 mg/L (EU Method C.3, <i>Scenedesmus subspicatus</i> , static, biomass)  | 344 mg/L (ASTM (American Society for Testing and Materials) guideline; <i>Pimephales promelas</i> , flow-through)   | 1494 mg/L (DIN 38412, part 8, <i>Pseudomonas putida</i> , static, growth inhibition, 16 h)                                    | > 500 mg/L (OECD 202, <i>Daphnia magna</i> , static)  | -  |
| Chemical Name   | CAS-No   | Toxicity to algae   | Toxicity to fish  | Toxicity to Microorganisms  | Toxicity to daphnia and other aquatic invertebrates   | Toxicity to other organisms  |

|   |          |   |  |  |   |   |
|---|----------|---|--|--|---|---|
| Cyclopentasiloxane, 2,2,4,4,6,6,8,8,10,10-decamethyl- | 541-02-6 | > 0.012 mg/L (OECD 201 and EPA OTS 797.1050; <i>Pseudokirchneriella subcapitata</i> ; static; freshwater; cell density and growth rate; based on active ingredient; 96 h) | > 0.014 mg/L (OECD 210; <i>Oncorhynchus mykiss</i> ; flow-through; freshwater) |  | > 0.015 mg/L (OECD 211; <i>Daphnia magna</i> ; semi-static; freshwater; based on active ingredient) | 70 mg/kg sediment dw (OECD 218; <i>Chironomus riparius</i> ; semi-static; freshwater; artificial sediment; based on development rate; 28 d) |
| Propylene glycol                                      | 57-55-6  | < 5300 mg/L (OECD 201; <i>Skeletonema costatum</i> ; static; saltwater; growth rate)  |  | NOEC: > 20000 mg/L (Guideline not indicated; <i>Pseudomonas putida</i> ; freshwater; 18 h) | 13020 mg/L (EPA 600/4-89/001; <i>Ceriodaphnia</i> sp.; semi-static; freshwater)                     | 1368.77 mg/kg sediment dw (Guideline: OSPARCOM guidelines; <i>Corophium volutator</i> ; short-term toxicity; static; saltwater; 10 d)       |
| Phenoxyethanol  | 122-99-6 |   | 23 mg/L (OECD 210, <i>Pimephales promelas</i> , flow-through, 34 d)            | 1,000 mg/kg (OECD 207, <i>Eisenia foetida</i> , artificial soil, 14 d)                     | 9.43 mg/L (reproduction) and 49.2 mg/L (growth) (OECD 211, <i>Daphnia magna</i> , semi-static)      | 34 mg/L, (OECD 208, <i>Brassica napus</i> , 19 d)   |

**Persistence and degradability**

| Chemical Name   | Ready Test Results   | Persistence and degradability   |
|---|--|---|
| Cyclopentasiloxane, 2,2,4,4,6,6,8,8,10,10-decamethyl- | 0.14 % (OECD 310; aerobic; activated sludge and sewage (primarily domestic waste); CO <sub>2</sub> evolution)  | t <sub>1/2</sub> : 3100 d (Similar to OECD 308; non-sterilised; anaerobic; natural sediment; at 24 C) |
| Propylene glycol                                      | 81.7 % (OECD 301 F; aerobic; activated sludge, domestic (adaptation not specified); CO <sub>2</sub> evolution; meets 10-d window criterion)                            | 95.8 % (OECD 306; aerobic; natural water; DOC removal; 64 d)  |
| 2-Amino-2-methylpropanol                              | 89.3 % (OECD Guideline 301 F, EPA OPPTS 835.3110 and EU Method C.4-D; aerobic; activated sludge, non-adapted; O <sub>2</sub> consumption; meets 10-d window criterion) | 40% (OECD 301 D; aerobic; activated sludge, domestic, non-adapted; O <sub>2</sub> consumption)        |
| Phenoxyethanol  | >90 % DOC removal (OECD 301 A (old version)) (aerobic, activated sludge, domestic, 15 d)   | 90% O <sub>2</sub> consumption (OECD Guideline 301 F, aerobic, activated sludge, 28 d)                |

**Bioaccumulative potential**

| Chemical Name   | Bioconcentration factor (BCF) |
|---|-------------------------------|
| Cyclopentasiloxane, 2,2,4,4,6,6,8,8,10,10-decamethyl- | 13300                         |
| Propylene glycol                                      | 0.09 (Calculated value)       |
| 2-Amino-2-methylpropanol                              | 320                           |
| Phenoxyethanol  | 0.3493 (QSAR)                 |

**Mobility**

| Chemical Name   | KOC Values  |
|---|---|
| Cyclopentasiloxane, 2,2,4,4,6,6,8,8,10,10-decamethyl- | 147910.8388 (OECD 106; batch equilibrium method; adsorption; soil; converted value from log K <sub>oc</sub> to K <sub>oc</sub> value) |
| Propylene glycol                                      | 2.9 (Calculated value; TGD (non-hydrophobics) method)   |
| 2-Amino-2-methylpropanol                              | 18 (Calculated value)   |
| Phenoxyethanol  | 40.74 (OECD 121 )   |

**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

**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**

Not applicable for consumer use.

| Chemical Name  | CAS-No   | Weight % | SARA 313 - Threshold Values % |
|----------------|----------|----------|-------------------------------|
| Phenoxyethanol | 122-99-6 | 1        | 1.0                           |

**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**

Not applicable for consumer use.

**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)**

Not applicable for consumer use.

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

**Clean Water Act**

Not applicable for consumer use.

**U.S. State Regulations (RTK)**

Not applicable for consumer use.

| Chemical Name | New Jersey |
|---------------|------------|
|---------------|------------|



|                          |   |
|--------------------------|---|
| Propylene glycol         | X |
| 2-Amino-2-methylpropanol | X |
| Phenoxyethanol           | X |

| Chemical Name            | Massachusetts |
|--------------------------|---------------|
| 2-Amino-2-methylpropanol | X             |

| Chemical Name            | Pennsylvania |
|--------------------------|--------------|
| Propylene glycol         | X            |
| 2-Amino-2-methylpropanol | X            |
| Phenoxyethanol           | X            |
| Dipropylene 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.

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**

**Issuing Date:** 24-Jul-2014

**Revision Date:** 24-Jul-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**