

Material Safety Data Sheet



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Version 1

1. PRODUCT AND COMPANY INFORMATION

Product ID:	92276528_PROF_NA
Product Name	Nioxin 3D Styling Definition Creme
Product Type	Finished Product - Consumer (Retail) and Professional Use
Recommended Use	Personal Beauty Care Product
Synonyms	Nioxin Volume Texture Creme
Manufacturer	The Procter & Gamble Company Sharon Woods Innovation Center 11510 Reed Hartman Highway Cincinnati 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.
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 %
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

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.
Inhalation	Not an expected route of exposure.
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

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 ³ TWA: 50 ppm TWA: 155 mg/m ³	
Phenoxyethanol	122-99-6			TWA: 25 ppm TWA: 141 mg/m ³ 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

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
Cyclopentasiloxane, 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

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
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; Pseudokirchneriella subcapitata; 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; Oncorhynchus mykiss; 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; Daphnia magna; flow-through; freshwater)	257 mg/kg sediment dw (OECD 218; Chironomus riparius; semi-static; freshwater; artificial sediment; 28 d)
Propylene glycol	57-55-6	19300 (OECD 201; Skeletonema costatum; static; saltwater; growth rate)	40613 mg/L (Guideline: Environment Canada (1990); Oncorhynchus mykiss; static; freshwater)	-	18800 mg/L (Guideline: US EPA FIFRA 72-3 (TSCA 797.1950); Americamysis bahia; static; saltwater; mortality)	6983 mg/kg sediment dw (Guideline: OSPARCOM guidelines; Corophium volutator; short-term toxicity; static; saltwater; 10 d)
2-Amino-2-methylpropanol	124-68-5	402 mg/L (Similar to OECD 201; static; Scenedesmus 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; Lepomis macrochirus; 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); Daphnia magna; static; freshwater; mortality)	-
Phenoxyethanol	122-99-6	443 mg/L (EU Method C.3, Scenedesmus subspicatus, static, biomass)	344 mg/L (ASTM (American Society for Testing and Materials) guideline; Pimephales promelas, flow-through)	1494 mg/L (DIN 38412, part 8, Pseudomonas putida, static, growth inhibition, 16 h)	> 500 mg/L (OECD 202, Daphnia magna, 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; Pseudokirchneriella subcapitata; static; freshwater; cell density and growth rate; based on active ingredient; 96 h)	> 0.014 mg/L (OECD 210; Oncorhynchus mykiss; flow-through; freshwater)		> 0.015 mg/L (OECD 211; Daphnia magna; semi-static; freshwater; based on active ingredient)	70 mg/kg sediment dw (OECD 218; Chironomus riparius; semi-static; freshwater; artificial sediment; based on development rate; 28 d)
Propylene glycol	57-55-6	< 5300 mg/L (OECD 201; Skeletonema costatum; static; saltwater; growth rate)		NOEC: > 20000 mg/L (Guideline not indicated; Pseudomonas putida; freshwater; 18 h)	13020 mg/L (EPA 600/4-89/001; Ceriodaphnia sp.; semi-static; freshwater)	1368.77 mg/kg sediment dw (Guideline: OSPARCOM guidelines; Corophium volutator; short-term toxicity; static; saltwater; 10 d)
Phenoxyethanol	122-99-6		23 mg/L (OECD 210, Pimephales promelas, flow-through, 34 d)	1,000 mg/kg (OECD 207, Eisenia foetida, artificial soil, 14 d)	9.43 mg/L (reproduction) and 49.2 mg/L (growth) (OECD 211, Daphnia magna, semi-static)	34 mg/L, (OECD 208, Brassica napus, 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); CO2 evolution)	t1/2: 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); CO2 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; O2 consumption; meets 10-d window criterion)	40% (OECD 301 D; aerobic; activated sludge, domestic, non-adapted; O2 consumption)
Phenoxyethanol	>90 % DOC removal (OECD 301 A (old version)) (aerobic, activated sludge, domestic, 15 d)	90% O2 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 Koc to Koc 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	-
Chronic Health Hazard	-
Fire Hazard	-
Sudden release of pressure hazard	-
Reactive Hazard	-

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
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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

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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