

# Material Safety Data Sheet



**Issuing Date:** 25-Jun-2014

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**Version** 1

## 1. PRODUCT AND COMPANY INFORMATION

<b>Product ID:</b>	96652154_PROF_NA
<b>Product Name</b>	Nioxin 3D Styling Bodifying Foam
<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 Company Sharon Woods Innovation Center 11510 Reed Hartman Highway Cincinnati 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>	Inhalation.
<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 %
Isobutane	75-28-5	1 - 5
Propane	74-98-6	1 - 5
2-Propenoic acid, 2-methyl-, 2-(dimethylamino)ethyl ester, polymer with 1-ethenyl-2-pyrrolidinone, compd. with diethyl sulfate	53633-54-8	1 - 5
Poly(oxy-1,2-ethanediyl), alpha-dodecyl-omega-hydroxy-	9002-92-0	0.1 - 1
Petroleum gases, liquefied, sweetened	68476-86-8	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>	Aerosol - 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>	The release of the following substances is possible in a fire: Carbon monoxide, carbon dioxide and unburned hydrocarbons (smoke). Nitrous oxides. Containers may explode when heated. Hazardous decomposition products formed under fire conditions. May form explosive mixtures with air.
<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>	Ensure adequate ventilation. Avoid contact with skin, eyes and inhalation of vapors.
<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). Do not puncture or incinerate cans.

## 7. HANDLING AND STORAGE

<b>Advice on safe handling</b>	Keep out of the reach of children. Observe label precautions. Keep away from open flames, hot surfaces and sources of ignition. Avoid breathing vapors or mists.
<b>Technical measures/Storage conditions</b>	Keep out of the reach of children. Keep containers tightly closed in a dry, cool and well-ventilated place. Keep away from open flames, hot surfaces and sources of ignition. Keep away from direct sunlight.
<b>Aerosol Classification Level</b>	1

## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

### Exposure Guidelines

Chemical Name		CAS-No	ACGIH TLV	OSHA PEL	Mexico PEL
Isobutane		75-28-5	STEL: 1000 ppm	-	-
Propane		74-98-6	TWA: 1000 ppm	TWA: 1000 ppm TWA: 1800 mg/m³ (vacated) TWA: 1000 ppm (vacated) TWA: 1800 mg/m³	-
Chemical Name	CAS-No	Alberta	Quebec	Ontario TWA/EV	British Columbia
Isobutane	75-28-5			TWA: 800 ppm TWA: 1000 ppm	TWA: 1000 ppm
Propane	74-98-6	TWA: 1000 ppm	TWA: 1000 ppm TWA: 1800 mg/m³	TWA: 1000 ppm	TWA: 1000 ppm

### Legend:

TLV - Threshold Limit Value  
TWA EV - Time Weighted Average Exposure Value  
ACGIH: (American Conference of Governmental Industrial Hygienists)  
OSHA: (Occupational Safety & Health Administration)  
PEL - Permissible Exposure Limit

<b>Engineering Measures</b>	Not applicable.
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### Personal Protective Equipment

<b>Eye Protection</b>	No special protective equipment required.
<b>Hand Protection</b>	No special protective equipment required.
<b>Skin and Body Protection</b>	No special protective equipment required.
<b>Respiratory Protection</b>	Maintain adequate ventilation.
<b>Thermal hazards</b>	Not applicable.
<b>Hygiene measures</b>	Handle in accordance with good industrial hygiene and safety practice. Avoid breathing vapors, mist or gas.

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

## 9. PHYSICAL AND CHEMICAL PROPERTIES

**Physical State @20°C**

**Appearance**

**Odor**

Aerosol

viscous. white.

Mint-like

### Property

### Values

### Note

pH value

4.0 - 6.0

**Melting/freezing point**

No information available

**Boiling point/boiling range**

No information available

**Flash point**

Aerosol - 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**

0.96

**Water solubility**

Soluble in water

**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)
Isobutane	2.8
Propane	2.8
Petroleum gases, liquefied, sweetened	2.8

**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**

Keep away from open flames, hot surfaces and sources of ignition. Extremes of temperature and direct sunlight.

**Materials to avoid**

Strong oxidizing agents.

**Hazardous Decomposition Products** None under normal use.

## 11. TOXICOLOGICAL INFORMATION

### Product Information

#### Acute toxicity

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#### Principle routes of exposure

Inhalation.

#### **Inhalation**

Intentional misuse by deliberately concentrating and inhaling contents may be harmful or fatal.

#### **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
Isobutane	75-28-5	-	-	520400 ppm (Guideline not indicated; mouse; 2 h)
Propane	74-98-6	-	-	> 800000 ppm (Guideline not indicated; rat; 0.25 h)
Poly(oxy-1,2-ethanediyl), alpha-dodecyl-omega-hydroxy-	9002-92-0	9060 mg/kg (Method not indicated; 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
Isobutane	75-28-5	7.71 mg/L (QSAR data (ECOSAR Program v1.00); Green algae; freshwater)	24.11 mg/L (QSAR data (The Estimation Programs Interface (EPI) SuiteTM v4.00); Fish; freshwater)	-	LC50: 14.22 mg/L (QSAR data (ECOSAR Program v1.00); Daphnid; freshwater)	-
Propane	74-98-6	11.89 mg/L (QSAR DATA ((EPI) SuiteTM v4.00); Green algae (strain is not indicated); freshwater)	24.11 mg/L (Read across data on butane; Calculated by QSAR; strain not indicated; freshwater)	-	14.22 mg/L (Read across data on butane; Calculated value ((EPI) SuiteTM v4.00); Daphnid (strain not indicated); freshwater)	-
Poly(oxy-1,2-ethanediyl), alpha-dodecyl-omega-hydroxy-	9002-92-0	-	3.3 mg/L (Oncorhynchus mykiss (rainbow trout); semi-static test)	IC50: 100 mg/L (Pseudomonas putida)	-	-

### Persistence and degradability

Chemical Name	Ready Test Results	Persistence and degradability
Isobutane	100 % (QSAR (BIOWIN v 4.10 in EPI Suite 4.00); aerobic; 16 d; meets 10 d window criteria)	t1/2: 3.46 d (QSAR data (BioHCwin v1.01 in EPI Suite 4 (2009)))
Propane	100 % (Guideline not indicated; Test mat. Analysis; Model estuarine ecosystem; aerobic; 16 d; meets 10 d window criteria)	

**Bioaccumulative potential** No information available.

**Mobility** No information available.

**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 (non-household setting)** 331

**Other disposal recommendations** Aerosol cans, when disposed as waste, are regulated as D003 reactive hazardous waste in some States because of their potential to explode when heated. Check with your State environmental agency for guidance

## 14. TRANSPORT INFORMATION

### DOT

UN/ID no

UN1950

Proper shipping name	Aerosols
Hazard Class	2.2
Description	UN1950, Aerosols, 2.2, Ltd. Qty.
Emergency Response Guide Number	126

**TDG**

UN/ID no	UN1950
Proper shipping name	Aerosols
Hazard Class	2.2
Description	UN1950, Aerosols, 2.2, Ltd. Qty.

**MEX**

UN/ID no	UN1950
Proper shipping name	Aerosols
Hazard Class	2.2
Description	UN1950, Aerosols, 2.2, Ltd. Qty.

**IATA**

UN/ID no	UN1950
Proper shipping name	Aerosols, non-flammable
Hazard Class	2.2
ERG Code	2L
Description	UN1950, Aerosols, non-flammable, 2.2, Ltd. Qty.

IATA comment	Can also be shipped as ID8000 Consumer Commodity
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**ICAO**

UN/ID no	UN1958
Proper shipping name	Aerosols
Hazard Class	2.2
Description	UN1958, Aerosols, 2.2, Ltd. Qty.

ICAO Comment	Can also be shipped as ID8000 Consumer Commodity
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**IMDG**

UN/ID no	UN1950
Proper shipping name	Aerosols, non-flammable
Hazard Class	2.2
EmS-No	F-D, S-U
Description	UN1950, Aerosols, non-flammable, 2.2, Ltd. Qty.

<b>15. REGULATORY INFORMATION</b>
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**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	Yes
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
Phenoxyethanol	122-99-6	X

**Clean Water Act**

This product does not contain any substances regulated as pollutants pursuant to the Clean Water Act (40 CFR 122.21 and 40 CFR 122.42).

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

Chemical Name	New Jersey
Isobutane	X
Propane	X

Chemical Name	Massachusetts
Isobutane	X
Propane	X

Chemical Name	Pennsylvania
Isobutane	X
Propane	X
Phenoxyethanol	X
Butane	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



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**16. OTHER INFORMATION**

**Issuing Date:** 25-Jun-2014  
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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**