



# Material Safety Data Sheet

Issuing Date: 24-May-2012

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Version 1

## 1. PRODUCT AND COMPANY IDENTIFICATION

**Product ID:** 99303404

**Product Name** Pantene Pro-V Stylers Anti-Humidity Hairspray Maximum Hold

**Recommended use** Personal Beauty Care Product

**Uses advised against** All other uses

**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

Flammable

**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** Eye contact. Skin contact. Inhalation.

**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 %
Dimethyl ether	115-10-6	15 - 40
Ethanol	64-17-5	10 - 30
Cyclohexylamine	108-91-8	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. If symptoms persist, call a physician. Remove contact lenses, if present, after the first 5 minutes, then continue rinsing.
<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.
<b>Inhalation</b>	Move to fresh air.
<b>Protection of First-aiders</b>	Remove all sources of ignition.
<b>Most important symptoms/effects, acute and delayed</b>	None known.
<b>Notes to physician</b>	Treat symptomatically.

#### 5. FIRE-FIGHTING MEASURES

<b>Flammable Properties</b>	<b>Non-household:</b> Flammable aerosol.
<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>Unsuitable Extinguishing Media</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.
<b>Special protective equipment for fire-fighters</b>	As in any fire, wear self-contained breathing apparatus and full protective gear.

## 6. ACCIDENTAL RELEASE MEASURES

<b>Personal precautions</b>	Remove all sources of ignition. Evacuate personnel to safe areas. Ensure adequate ventilation.
<b>Advice for emergency responders</b>	Use personal protective equipment.
<b>Environmental precautions</b>	Should not be released into the environment.
<b>Methods for Containment</b>	No information available.
<b>Methods for Cleaning up</b>	No information available.

## 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	ACGIH TLV	OSHA PEL	NIOSH IDLH	Mexico OEL
Ethanol	STEL: 1000 ppm	TWA: 1000 ppm TWA: 1900 mg/m <sup>3</sup> (vacated) TWA: 1000 ppm (vacated) TWA: 1900 mg/m <sup>3</sup>	IDLH: 3300 ppm TWA: 1000 ppm TWA: 1900 mg/m <sup>3</sup>	Mexico: TWA 1000 ppm Mexico: TWA 1900 mg/m <sup>3</sup>
Cyclohexylamine	TWA: 10 ppm	(vacated) TWA: 10 ppm (vacated) TWA: 40 mg/m <sup>3</sup>	TWA: 10 ppm TWA: 40 mg/m <sup>3</sup>	Mexico: TWA 10 ppm Mexico: TWA 40 mg/m <sup>3</sup>
Chemical Name	British Columbia	Alberta	Quebec	Ontario TWAEV
Dimethyl ether	TWA: 1000 ppm	-	-	-
Ethanol	STEL: 1000 ppm	TWA: 1000 ppm TWA: 1880 mg/m <sup>3</sup>	TWA: 1000 ppm TWA: 1880 mg/m <sup>3</sup>	STEL: 1000 ppm
Cyclohexylamine	TWA: 10 ppm	TWA: 10 ppm TWA: 41 mg/m <sup>3</sup>	TWA: 10 ppm TWA: 41 mg/m <sup>3</sup>	TWA: 10 ppm

<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>	Avoid breathing vapors, mist or gas.
<b>Thermal hazards</b>	Not applicable.

**Hygiene measures** Avoid breathing vapors, mist or gas. When using, do not eat, drink or smoke.

**Environmental Exposure Controls** No special environmental precautions required.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

**Physical State @20°C** Aerosol, liquid  
**Appearance** Aerosol Container - Liquid.  
**Odor** Pleasant

Property	Values	Note
<b>pH VALUE</b>	8.75 - 9.25	
<b>Melting/freezing point</b>	Not applicable	
<b>Boiling point/boiling range</b>	No information available	
<b>Flash Point</b>	Aerosol - Not applicable	
<b>Evaporation rate</b>	No information available	
<b>Flammability (solid, gas)</b>	No information available	
<b>Flammability Limits in Air</b>		
upper flammability limit	No information available	
lower flammability limit	No information available	
<b>Vapor pressure</b>	No information available	
<b>Vapor density</b>	No information available	
<b>Relative density</b>	0.95-0.99	
<b>Water solubility</b>	slightly soluble	
<b>Solubility in other solvents</b>	No information available	
<b>Partition coefficient: n-octanol/water</b>	No information available	
<b>Autoignition temperature</b>	No information available	.
<b>Decomposition temperature</b>	No information available	.
<b>Viscosity of Product</b>	No information available	
<b>Bulk Density</b>	No information available	

Chemical Name	log Pow
Dimethyl ether	-0.18
Ethanol	-0.32
Cyclohexylamine	1.2

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

## 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

#### Principle Routes of Exposure

Eye contact. Skin contact. 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	LD50 Oral	LD50 Dermal	LC50 Inhalation
Dimethyl ether	-	-	308.5 mg/L ( Rat ) 4 h
Ethanol	7060 mg/kg ( Rat )	-	124.7 mg/L ( Rat ) 4 h
Cyclohexylamine	11 mg/kg ( 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
Ethanol	-	LC50 96 h 12.0 - 16.0 mL/L Oncorhynchus mykiss static LC50 96 h > 100 mg/L Pimephales promelas static LC50 96 h 13400 - 15100 mg/L Pimephales promelas flow-through	-	LC50 48 h 9268 - 14221 mg/L Daphnia magna EC50 24 h = 10800 mg/L Daphnia magna EC50 48 h = 2 mg/L Daphnia magna Static	-
Cyclohexylamine	EC50 96 h = 20 mg/L Pseudokirchneriella subcapitata static EC50 96 h = 20 mg/L Pseudokirchneriella subcapitata	LC50 96 h 44 - 90 mg/L Oncorhynchus mykiss LC50 96 h = 470 mg/L Brachydanio rerio static	-	EC50 24 h = 49 mg/L Daphnia magna = 20 mg/L EC50	-

**Persistence and degradability** No information available.

**Bioaccumulative potential** No information available.

**Mobility** No information available.

**Other adverse effects** No information available

## 13. DISPOSAL CONSIDERATIONS

**Waste from Residues / Unused Products** Dispose of in accordance with local regulations.

**Contaminated packaging** Dispose of in accordance with local regulations.

**Other disposal recommendations** **Non-household:** Products covered by this MSDS, in their original form, when disposed as waste, are ignitable hazardous waste, D001, according to Federal RCRA regulations(40 CFR 261). 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.

**California Hazardous Waste Codes** 331  
(non-household setting)

## 14. TRANSPORT INFORMATION

#### **DOT**

UN/ID No	UN1950
Proper shipping name	Aerosols, flammable
Hazard class	2.1
Description	UN1950, Aerosols, flammable, 2.1
Emergency Response Guide Number	126

#### **TDG**

UN/ID No	UN1950
Proper shipping name	Aerosols
Hazard class	2.1
Description	UN1950, Aerosols, 2.1

#### **MEX**

UN/ID No	UN1950
Proper shipping name	Aerosols
Hazard class	2.1
Description	UN1950, Aerosols, 2.1

#### **IATA**

UN/ID No	UN1950
Proper shipping name	Aerosols, flammable
Hazard class	2.1
ERG Code	10L
Description	UN1950, Aerosols, flammable, 2.1

#### **ICAO**

UN/ID No	UN1950
Proper shipping name	Aerosols
Hazard class	2.1
Description	UN1950, Aerosols, 2.1

#### **IMDG/IMO**

UN/ID No	UN1950
Proper shipping name	Aerosols
Hazard class	2
EmS No.	F-D, S-U
Description	UN1950, Aerosols, 2.1

### **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	Yes
Sudden Release of Pressure Hazard	no
Reactive Hazard	no

**CERCLA**

This material, as supplied, contains one or more substances regulated as a hazardous substance under the Comprehensive Environmental Response Compensation and Liability Act (CERCLA) (40 CFR 302):

Chemical Name	Hazardous Substances RQs	Extremely Hazardous Substances RQs	RQ
Benzoic acid, ammonium salt (1:1)	5000 lb	-	RQ 5000 lb final RQ RQ 2270 kg final RQ
Cyclohexylamine	-	10000 lb	-

**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	Volatile Organic Compounds	CAA (Clean Air Act) - 1990 Hazardous Air Pollutants
Dimethyl ether	Present	-
Ethanol	Present	-
Cyclohexylamine	Present	-
Acetamide, N-(2-hydroxyethyl)-	Present	-

**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
Benzoic acid, ammonium salt (1:1)	5000 lb	-	-	X

**U.S. State Regulations****California Proposition 65**

This product contains the following Proposition 65 chemicals:

Chemical Name	CAS-No	California Prop. 65
Ethanol	64-17-5	Carcinogen Developmental

Ethanol is only considered a Proposition 65 developmental hazard when it is ingested as an alcoholic beverage.

**U.S. State Regulations**

Chemical Name	New Jersey
Dimethyl ether	X
Ethanol	X
Cyclohexylamine	X

Chemical Name	Massachusetts
Dimethyl ether	X
Ethanol	X

Chemical Name	Pennsylvania
Dimethyl ether	X
Ethanol	X
Benzoic acid, ammonium salt (1:1)	X

Cyclohexylamine	X
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Chemical Name	Rhode Island
Dimethyl ether	X
Ethanol	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 Exempt

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

**Issuing Date:** 24-May-2012

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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**