



Material Safety Data Sheet

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Version 1

1. PRODUCT AND COMPANY IDENTIFICATION

Product ID: 99292437

Product Name Pantene Pro-V Stylers HAIRSPRAY Flexible 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

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. If symptoms persist, call a physician. Remove contact lenses, if present, after the first 5 minutes, then continue rinsing.
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	Move to fresh air.
Protection of First-aiders	Remove all sources of ignition.
Most important symptoms/effects, acute and delayed	None known.
Notes to physician	Treat symptomatically.

5. FIRE-FIGHTING MEASURES

Flammable Properties	Non-household: Flammable aerosol.
Flash Point	Aerosol - Not applicable
Suitable Extinguishing Media	Dry chemical, CO ₂ , water spray or alcohol-resistant foam.
Unsuitable Extinguishing Media	No information available.
Special Hazard	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.
Special protective equipment for fire-fighters	As in any fire, wear self-contained breathing apparatus and full protective gear.

6. ACCIDENTAL RELEASE MEASURES

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

7. HANDLING AND STORAGE

Advice on safe handling	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.
Technical measures/Storage conditions	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.
Aerosol Classification Level	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 ³ (vacated) TWA: 1000 ppm (vacated) TWA: 1900 mg/m ³	IDLH: 3300 ppm TWA: 1000 ppm TWA: 1900 mg/m ³	Mexico: TWA 1000 ppm Mexico: TWA 1900 mg/m ³
Chemical Name	British Columbia	Alberta	Quebec	Ontario TWA EV
Dimethyl ether	TWA: 1000 ppm	-	-	-
Ethanol	STEL: 1000 ppm	TWA: 1000 ppm TWA: 1880 mg/m ³	TWA: 1000 ppm TWA: 1880 mg/m ³	STEL: 1000 ppm

Engineering Measures	Not applicable.
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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	Avoid breathing vapors, mist or gas.
Thermal hazards	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

<u>Property</u>	<u>Values</u>	<u>Note</u>
pH VALUE	8.4 - 9.4	
Melting/freezing point	Not applicable	
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	0.95 - 0.97	
Water solubility	slightly soluble	
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	log Pow
Dimethyl ether	-0.18
Ethanol	-0.32

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 Heat, flames and sparks. 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

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	The table below indicates whether each agency has listed any ingredient as a carcinogen.

Legend

ACGIH: (American Conference of Governmental Industrial Hygienists)

A1 - Known Human Carcinogen
A2 - Suspected Human Carcinogen
A3 - Animal Carcinogen

IARC: (International Agency for Research on Cancer)

Group 1 - Carcinogenic to Humans
Group 2A - Probably Carcinogenic to Humans
Group 2B - Possibly Carcinogenic to Humans

NTP: (National Toxicity Program)

Reasonably Anticipated - Reasonably Anticipated to be a Human Carcinogen

MEX Classification

A3 - Animal 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	-

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
Potassium hydroxide	1000 lb	-	RQ 1000 lb final RQ RQ 454 kg final RQ

Benzoic acid, ammonium salt (1:1)	5000 lb	-	RQ 5000 lb final RQ RQ 2270 kg final RQ
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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	-

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
Potassium hydroxide	1000 lb	-	-	X
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

Chemical Name	Massachusetts
Dimethyl ether	X
Ethanol	X

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

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

Revision Date: 31-May-2012

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