

# Material Safety Data Sheet



Issuing Date: 23-Apr-2012

Revision Date: 22-May-2012

Version 1.02

## 1. PRODUCT AND COMPANY IDENTIFICATION

Product ID:	92270366
Product Name	Pantene Pro-V Repair & Protect Shampoo
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

Irritating to eyes

OSHA Regulatory Status	Consumer use; While this material is not considered hazardous by the OSHA Hazard Communication Standard (29 CFR 1910.1200), this MSDS contains valuable information critical to the safe handling and proper use of the product. This MSDS should be retained and available for employees and other users of this product
WHMIS	Not subject to WHMIS classification
Principle Routes of Exposure	Skin contact. Eye contact.
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 %
Sulfuric acid monododecyl ester sodium salt (1:1)	151-21-3	5 - 10
Poly(oxy-1,2-ethanediyl), alpha-sulfo-omega-(dodecyloxy)-, sodium salt (1:1)	9004-82-4	3 - 7
1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-coco acyl derivs., inner salts	61789-40-0	1 - 5
Laureth-3	3055-94-5	0.1 - 1
1,2,3-Propanetriol	56-81-5	0.1 - 1
Sodium hydroxide	1310-73-2	< 0.1
Benzyl acetate	140-11-4	< 0.1

### 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>	Not an expected route of exposure.
<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>	No information available
<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>	None in particular
<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>	Use personal protective equipment. Avoid contact with the skin and the eyes.
<b>Advice for emergency responders</b>	Use personal protective equipment.
<b>Environmental precautions</b>	Do not discharge product into natural waters without pre-treatment or adequate dilution.
<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.
<b>Technical measures/Storage conditions</b>	Keep out of the reach of children. Keep container tightly closed in a dry and well-ventilated place.

### Aerosol Classification Level

## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

### Exposure Guidelines

Chemical Name	ACGIH TLV	OSHA PEL	NIOSH IDLH	Mexico OEL
1,2,3-Propanetriol	TWA: 10 mg/m <sup>3</sup> mist	TWA: 15 mg/m <sup>3</sup> mist, total particulate TWA: 5 mg/m <sup>3</sup> mist, respirable fraction (vacated) TWA: 10 mg/m <sup>3</sup> mist, total particulate (vacated) TWA: 5 mg/m <sup>3</sup> mist, respirable fraction		Mexico: TWA 10 mg/m <sup>3</sup>
Sodium hydroxide	Ceiling: 2 mg/m <sup>3</sup>	TWA: 2 mg/m <sup>3</sup> (vacated) Ceiling: 2 mg/m <sup>3</sup>	IDLH: 10 mg/m <sup>3</sup> Ceiling: 2 mg/m <sup>3</sup>	Mexico: Ceiling 2 mg/m <sup>3</sup>
Benzyl acetate	TWA: 10 ppm	-		-
Chemical Name	British Columbia	Alberta	Quebec	Ontario TWAEV
1,2,3-Propanetriol	TWA: 10 mg/m <sup>3</sup> TWA: 3 mg/m <sup>3</sup>	TWA: 10 mg/m <sup>3</sup>	TWA: 10 mg/m <sup>3</sup>	TWA: 10 mg/m <sup>3</sup>
Sodium hydroxide	Ceiling: 2 mg/m <sup>3</sup>	Ceiling: 2 mg/m <sup>3</sup>	Ceiling: 2 mg/m <sup>3</sup>	CEV: 2 mg/m <sup>3</sup>
Benzyl acetate	TWA: 10 ppm	TWA: 10 ppm TWA: 61 mg/m <sup>3</sup>	-	TWA: 10 ppm

<b>Engineering Measures</b>	Not applicable.
-----------------------------	-----------------

### 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>	No special protective equipment required
-------------------------------	--

<b>Thermal hazards</b>	Not applicable.
------------------------	-----------------

**Hygiene measures** Avoid contact with skin, eyes and clothing.

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

## 9. PHYSICAL AND CHEMICAL PROPERTIES

**Physical State @20°C** liquid  
**Appearance** white.  
**Odor** No information available

<u>Property</u>	<u>Values</u>	<u>Note</u>
<b>pH VALUE</b>	6	
<b>Melting/freezing point</b>	No information available	
<b>Boiling point/boiling range</b>	No information available	
<b>Flash Point</b>	No information available	
<b>Evaporation rate</b>	No information available	
<b>Flammability (solid, gas)</b>	No information available	
<b>Flammability Limits in Air</b>		
<b>upper flammability limit</b>	No information available	
<b>lower flammability limit</b>	No information available	
<b>Vapor pressure</b>	No information available	
<b>Vapor density</b>	No information available	
<b>Relative density</b>	No information available	
<b>Water solubility</b>	No information available	
<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>	5000 centipoise	
<b>Bulk Density</b>	No information available	

<u>Chemical Name</u>	<u>log Pow</u>
Sulfuric acid monododecyl ester sodium salt (1:1)	1.6
Dodecanol (Alcohol C12)	5.36
1,2,3-Propanetriol	-1.76
Benzyl acetate	1.96

## 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

**Principle Routes of Exposure** Skin contact. Eye contact.

**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**

Irritating to eyes.

Chemical Name	LD50 Oral	LD50 Dermal	LC50 Inhalation
Sulfuric acid monododecyl ester sodium salt (1:1)	1288 mg/kg ( Rat )	580 mg/kg ( Rabbit )	3900 mg/m <sup>3</sup> ( Rat ) 1 h
Poly(oxy-1,2-ethanediyl), alpha-sulfo-omega-(dodecyloxy)-, sodium salt (1:1)	1600 mg/kg ( Rat )	-	-
1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-coco acyl derivs., inner salts	4900 mg/kg ( Rat )	-	-
Guar gum, 2-hydroxy-3-(trimethylammonio) propyl ether, chloride	12500 mg/kg ( Rat )	-	-
Dodecanol (Alcohol C12)	5000 mg/kg ( Rat )	-	-
1,2,3-Propanetriol	4090.00 mg/kg (rat)	21900 mg/kg ( Rat )	-
Sodium hydroxide	-	1350 mg/kg ( Rabbit )	-
Benzyl acetate	2490 mg/kg ( Rat )	5 g/kg ( Rabbit )	-

#### 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
Sulfuric acid monododecyl ester sodium salt (1:1)	EC50 72 h = 53 mg/L Desmodesmus subspicatus EC50 96 h = 30 - 100 mg/L Desmodesmus subspicatus EC50 96 h = 117 mg/L Pseudokirchneriella subcapitata EC50 96 h = 3.59 - 15.6 mg/L Pseudokirchneriella subcapitata static	LC50 96 h 8 - 12.5 mg/L Pimephales promelas static LC50 96 h 15 - 18.9 mg/L Pimephales promelas static LC50 96 h 22.1 - 22.8 mg/L Pimephales promelas static LC50 96 h 4.3 - 8.5 mg/L Oncorhynchus mykiss static LC50 96 h = 4.62 mg/L Oncorhynchus mykiss flow-through LC50 96 h = 4.2 mg/L Oncorhynchus mykiss LC50 96 h = 7.97 mg/L Brachydanio rerio flow-through LC50 96 h 9.9 - 20.1 mg/L Brachydanio rerio semi-static LC50 96 h 4.06 - 5.75 mg/L Lepomis macrochirus static LC50 96 h 4.2 - 4.8 mg/L Lepomis macrochirus flow-through LC50 96 h = 4.5 mg/L Lepomis macrochirus LC50 96 h 5.8 - 7.5 mg/L Pimephales promelas static LC50 96 h 10.2 - 22.5 mg/L Pimephales promelas semi-static LC50 96 h 6.2 - 9.6 mg/L Pimephales promelas LC50 96 h 13.5 - 18.3 mg/L Poecilia reticulata semi-static LC50 96 h 10.8 - 16.6 mg/L Poecilia reticulata static LC50 96 h = 1.31 mg/L Cyprinus carpio semi-static	-	EC50 48 h = 1.8 mg/L Daphnia magna = 53 mg/L EC50 30 - 100 mg/L EC50 = 117 mg/L EC50 3.59 - 15.6 mg/L EC50	-
1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-coco acyl derivs., inner salts	EC50 72 h 1.0 - 10.0 mg/L Desmodesmus subspicatus EC50 96 h = 0.55 mg/L Desmodesmus subspicatus	LC50 96 h 1.0 - 10.0 mg/L Brachydanio rerio LC50 96 h = 2 mg/L Brachydanio rerio semi-static	-	EC50 48 h = 6.5 mg/L Daphnia magna 1.0 - 10.0 mg/L EC50 = 0.55 mg/L EC50	-

Dodecanol (Alcohol C12)	EC50 96 h = 0.62 mg/L Desmodesmus subspicatus	LC50 96 h = 1.01 mg/L Pimephales promelas flow-through LC50 96 h = 0.1855 mg/L Pimephales promelas	-	EC50 48 h = 320 mg/L Daphnia magna = 0.62 mg/L EC50	-
1,2,3-Propanetriol	-	LC50 96 h 51 - 57 mL/L Oncorhynchus mykiss static	-	EC50 24 h > 500 mg/L Daphnia magna	-
Sodium hydroxide	-	LC50 96 h = 45.4 mg/L Oncorhynchus mykiss 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** **Household:** Do not discharge product into natural waters without pre-treatment or adequate dilution.

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

### 14. TRANSPORT INFORMATION

**DOT** Not regulated

**TDG** Not regulated

**MEX** Not regulated

**IATA** Not regulated

**ICAO** Not regulated

**IMDG/IMO** Not regulated

### 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	Yes
Chronic Health Hazard	no
Fire Hazard	no

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

**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 does not contain any substances regulated as hazardous air pollutants (HAPS) under Section 112 of the Clean Air Act Amendments of 1990.

**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
Sodium hydroxide	1000 lb	-	-	X

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

This product is not subject to warning labeling under California Proposition 65

**U.S. State Regulations**

Chemical Name	Pennsylvania
Sulfuric acid sodium salt (1:2)	X
Sodium hydroxide	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:** 23-Apr-2012**Revision Date:** 22-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**