# SAFETY DATA SHEET

## 1. IDENTIFICATION

<table>
<thead>
<tr>
<th>Product Name</th>
<th>Pantene Pro-V 24 Hour Volume Hairspray</th>
</tr>
</thead>
<tbody>
<tr>
<td>Product ID:</td>
<td>99303400_RET_NG</td>
</tr>
<tr>
<td>Product Type:</td>
<td>Finished Product - Consumer (Retail) Use Only</td>
</tr>
<tr>
<td>Recommended Use</td>
<td>Personal Beauty Care Product</td>
</tr>
<tr>
<td>Manufacturer</td>
<td>The Procter &amp; Gamble Company</td>
</tr>
<tr>
<td></td>
<td>Sharon Woods Innovation Center</td>
</tr>
<tr>
<td></td>
<td>11510 Reed Hartman Highway</td>
</tr>
<tr>
<td></td>
<td>Cincinnati OH 45241</td>
</tr>
<tr>
<td></td>
<td>+1 513 626-2500</td>
</tr>
<tr>
<td>E-mail Address</td>
<td><a href="mailto:pgsds.im@pg.com">pgsds.im@pg.com</a></td>
</tr>
<tr>
<td>Emergency Telephone</td>
<td>Transportation (24 HR)</td>
</tr>
<tr>
<td></td>
<td>CHEMTREC - 1-800-424-9300</td>
</tr>
<tr>
<td></td>
<td>(U.S./ Canada) or 1-703-527-3887</td>
</tr>
<tr>
<td></td>
<td>Mexico toll free in country: 800-681-9531</td>
</tr>
</tbody>
</table>

## 2. HAZARD IDENTIFICATION

"Consumer Products", as defined by the US Consumer Product Safety Act and which are used as intended (typical consumer duration and frequency), are exempt from the OSHA Hazard Communication Standard (29 CFR 1910.1200). This SDS is being provided as a courtesy to help assist in the safe handling and proper use of the product.

This product is classified under 29CFR 1910.1200(d) and the Canadian Hazardous Products Regulation as follows:

- **Eye Damage / Irritation** Category 2B
- **Flammable aerosols** Category 1
- **Signal Word** DANGER
- **Hazard Statements** Causes eye irritation
- **Hazard pictograms** EXTREMELY FLAMMABLE AEROSOL
3. COMPOSITION/INFORMATION ON INGREDIENTS

Ingredients are listed according to 29CFR 1910.1200 Appendix D and the Canadian Hazardous Products Regulation

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>Synonyms</th>
<th>Trade Secret</th>
<th>CAS-No</th>
<th>Weight %</th>
</tr>
</thead>
<tbody>
<tr>
<td>Neodecanoic acid, ethenyl ester, polymer with 2-butenoic acid and ethenyl acetate</td>
<td>-</td>
<td>No</td>
<td>58748-38-2</td>
<td>5 - 10</td>
</tr>
<tr>
<td>Cyclohexylamine</td>
<td>-</td>
<td>No</td>
<td>108-91-8</td>
<td>0.1 - 1.0</td>
</tr>
</tbody>
</table>

4. FIRST AID MEASURES

First aid measures for different exposure routes

Eye contact  
IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention.

Skin contact  
None under normal use.

Ingestion  
Not an expected route of exposure. If swallowed: Clean mouth with water and afterwards drink plenty of water.

Inhalation  
Move to fresh air.

Most important symptoms/effects, acute and delayed  
May cause eye irritation.

Indication of immediate medical attention and special treatment needed, if necessary  

Notes to Physician  
Treat symptomatically.

5. FIRE-FIGHTING MEASURES

Flammable properties  
Extremely flammable aerosol

Suitable extinguishing media  
Water. Dry chemical. Alcohol-resistant foam.

Unsuitable Extinguishing Media  
None.

Special hazard  
Containers may explode when heated or if contaminated with water. Extremely flammable.
May form explosive mixtures with air.

**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.

**Specific hazards arising from the chemical**
Containers may explode when heated. Keep product and empty container away from heat and sources of ignition.

### 6. ACCIDENTAL RELEASE MEASURES

#### Personal precautions, protective equipment and emergency procedures

**Personal precautions**
Avoid breathing vapors or mists.

**Advice for emergency responders**
Use personal protective equipment as required.

**Environmental precautions**
Do not discharge product into natural waters without pre-treatment or adequate dilution.

#### Methods and materials for containment and cleaning up

**Methods for containment**
Prevent product from entering drains. Prevent further leakage or spillage if safe to do so. Ventilate the area.

**Methods for cleaning up**
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. ELIMINATE all ignition sources (no smoking, flares, sparks or flames in immediate area).

### 7. HANDLING AND STORAGE

#### Precautions for safe handling

**Advice on safe handling**
Keep container closed when not in use. Keep away from open flames, hot surfaces and sources of ignition. Keep out of the reach of children. Observe label precautions. Avoid breathing vapors or mists.

**Conditions for safe storage, including any incompatibilities**

**Storage Conditions**
Keep containers tightly closed in a dry, cool and well-ventilated place.

**Incompatible products**
None known.

**Aerosol Classification Level**
1

### 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

#### Control parameters

**Exposure Guidelines**
Exposure guidelines are not relevant when product is used as intended in a household setting.

#### Exposure controls

**Engineering Measures**
No information available

**Personal Protective Equipment**

**Eye Protection**

**Manufacturing Sites:**
Safety glasses with side-shields

**Distribution, Workplace and Household Settings:**
Hand Protection  No special protective equipment required
Skin and Body Protection  No special protective equipment required
Respiratory Protection  No special protective equipment required
Hygiene measures  Avoid breathing vapors, mist or gas
                  When using, do not eat, drink or smoke

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical State @20°C  Aerosol, liquid
Appearance  Aerosol Container - Liquid Light, milky yellow
Odor  Pleasant
Odor threshold  No information available

<table>
<thead>
<tr>
<th>Property</th>
<th>Values</th>
<th>Note</th>
</tr>
</thead>
<tbody>
<tr>
<td>pH value</td>
<td>7.5 - 9.5</td>
<td></td>
</tr>
<tr>
<td>Melting/freezing point</td>
<td>Not Applicable</td>
<td></td>
</tr>
<tr>
<td>Boiling point/boiling range</td>
<td>No information available</td>
<td></td>
</tr>
<tr>
<td>Flash point</td>
<td>Aerosol - Not Applicable</td>
<td></td>
</tr>
<tr>
<td>Evaporation rate</td>
<td>No information available</td>
<td></td>
</tr>
<tr>
<td>Flammability (solid, gas)</td>
<td>No information available</td>
<td></td>
</tr>
<tr>
<td>Flammability Limits in Air</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Upper flammability limit</td>
<td>No information available</td>
<td></td>
</tr>
<tr>
<td>Lower Flammability Limit</td>
<td>No information available</td>
<td></td>
</tr>
<tr>
<td>Vapor pressure</td>
<td>No information available</td>
<td></td>
</tr>
<tr>
<td>Vapor density</td>
<td>No information available</td>
<td></td>
</tr>
<tr>
<td>Relative density</td>
<td>0.95 - 0.99</td>
<td></td>
</tr>
<tr>
<td>Water solubility</td>
<td>slightly soluble</td>
<td></td>
</tr>
<tr>
<td>Solubility in other solvents</td>
<td>No information available</td>
<td></td>
</tr>
<tr>
<td>Partition coefficient: n-octanol/water</td>
<td>No information available</td>
<td></td>
</tr>
<tr>
<td>Autoignition temperature</td>
<td>No information available</td>
<td></td>
</tr>
<tr>
<td>Decomposition temperature</td>
<td>No information available</td>
<td></td>
</tr>
<tr>
<td>Viscosity of Product</td>
<td>No information available</td>
<td></td>
</tr>
<tr>
<td>VOC Content (%)</td>
<td>Products comply with US state and federal regulations for VOC content in consumer products.</td>
<td></td>
</tr>
</tbody>
</table>

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  None in particular.
Hazardous Decomposition Products  None under normal use.

11. TOXICOLOGICAL INFORMATION

Product Information  Information on likely routes of exposure
Inhalation
Intentional misuse by deliberately concentrating and inhaling contents may be harmful or fatal.

Skin contact
No known effect.

Ingestion
No known effect.

Eye contact
Avoid contact with eyes. Irritating to eyes.

Delayed and immediate effects as well as chronic effects from short and long-term exposure

Acute toxicity
No known effect.

Skin corrosion/irritation
No known effect.

Serious eye damage/eye irritation
Irritating to eyes.

Skin sensitization
No known effect.

Respiratory sensitization
No known effect.

Germ cell mutagenicity
No known effect.

Neurological Effects
No known effect.

Reproductive toxicity
No known effect.

Developmental toxicity
No known effect.

Teratogenicity
No known effect.

STOT - single exposure
No known effect.

STOT - repeated exposure
No known effect.

Target Organ Effects
No known effect.

Aspiration hazard
No known effect.

Carcinogenicity
No known effect.

12. ECOLOGICAL INFORMATION

Ecotoxicity
The product is not expected to be hazardous to the environment.

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 treatment

Waste from Residues / Unused Products
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. 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).

Contaminated packaging
Pressurized container: Do not pierce or burn, even after use. Empty containers may contain flammable or explosive vapors.

California Hazardous Waste Codes (non-household setting)
331

14. TRANSPORT INFORMATION

DOT
UN no
UN1950

UN Proper shipping name
Aerosols

Description
UN1950, Aerosols, 2.1
Hazard Class 2.1
Emergency Response Guide Number 126

IMDG
UN Number UN1950
UN Proper shipping name Aerosols
Description UN1950, Aerosols, 2.1
Transport hazard class(es) 2.2
EmS-No F-D, S-U

IATA
UN no UN1950
UN Proper shipping name Aerosols, flammable
Description UN1950, Aerosols, flammable, 2.1
Hazard Class 2.1
ERG Code 10L
IATA comment Can also be shipped as ID8000 Consumer Commodity

15. REGULATORY INFORMATION

U.S. Federal Regulations
SARA 313
Not applicable for consumer use

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

Clean Water Act
Not applicable for consumer use

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

U.S. State Regulations (RTK)
Not applicable for consumer use

International Inventories
United States
Product is a personal care product and regulated under FDA.

Canada
This product is in compliance with CEPA for import by P&G.

Legend
Perfumes contained with the products comply with appropriate IFRA guidance.

## 16. OTHER INFORMATION

<table>
<thead>
<tr>
<th>Issuing Date:</th>
<th>10-Mar-2015</th>
</tr>
</thead>
<tbody>
<tr>
<td>Revision Date:</td>
<td>10-Mar-2015</td>
</tr>
<tr>
<td>Reason for revision</td>
<td>Initial Release.</td>
</tr>
</tbody>
</table>

**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 SDS