

# Procter & Gamble

MATERIAL SAFETY DATA SHEET  
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MSDS Identifier

Vicks Formula 44M Cough,  
Cold & Flu Relief

## SECTION I – CHEMICAL / PRODUCT AND COMPANY IDENTIFICATION

|  |   |   |   |
|--|---|---|---|
| <b>THE PROCTER &amp; GAMBLE COMPANY</b><br>Health Care Research Center<br>8700 Mason-Montgomery Road<br>Mason, OH 45040-9462 |   | <b>RATING KEY</b><br>4=EXTREME<br>3=HIGH<br>2=MODERATE<br>1=SLIGHT                          | <b>Hazard Rating</b><br>Health: 1<br>Flammability: 2<br>Reactivity: 0 |
| <b>EMERGENCY PHONE:</b>  | Transportation Emergency (24 hour) Telephone Number:<br>CHEMTREC: 1-800-424-9300 in the U.S. and Canada;<br>1-703-527-3887 for calls originating elsewhere or call<br>the Poison Control Center | Prepared by: Jill Karner, CIH<br>Issue Date: November 18, 2011<br>Last Reviewed: 12/12/2007 |   |
| <b>Material Name:</b>  | Vicks Formula 44M Cough, Cold & Flu Relief  |   |   |

## SECTION II – COMPOSITION AND INGREDIENTS

Hazardous ingredients as defined by OSHA, 29 CFR 1910.1200, and/or WHMIS under the HPA. These substances are listed because in their pure bulk form, they meet the OSHA definition of hazardous. Any hazards associated with this finished product are listed in Section III of this MSDS.

| Principal Hazardous Components: | CAS Number | Conc. % | Exposure Limit/LC50/LD50     |
|---------------------------------|------------|---------|------------------------------|
| Propylene Glycol                | 57-55-6    | 7 – 13  | Oral LD50 rat - 20,000 mg/kg |
| Alcohol                         | 64-17-5    | 5 – 10  | 1,000 ppm (ACGIH)            |

## SECTION III – HAZARDS IDENTIFICATION

**Emergency Overview:** This mixture is a product regulated by the FDA. Within the meaning of the OSHA Hazard Communication Standard [29 CFR 1910.1200]: this mixture is not considered a hazard when used in a manner which is consistent with the labeled directions.

|                    |   |
|--------------------|---|
| <b>Eye:</b>        | Contact causes mild irritation.   |
| <b>Skin:</b>       | Non-irritating to the skin.   |
| <b>Inhalation:</b> | Not an inhalation hazard.   |
| <b>Ingestion:</b>  | Seek medical attention, or call a poison control center immediately if overdosed. |

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| SECTION IV – FIRST AID MEASURES                  |   |
|--|---|
| <b>Eye:</b>                                      | Rinse eyes thoroughly with water. If irritation occurs, seek medical attention.                           |
| <b>Skin:</b>                                     | Wash thoroughly with water.   |
| <b>Inhalation:</b>                               | Inhalation is not an anticipated route of occupational exposure. For the intended use, see product label. |
| <b>Ingestion:</b>                                | Seek medical attention, or call a poison control center immediately.                                      |
| <b>Additional First Aid Measures:</b> None known |   |

| SECTION V – FIRE FIGHTING MEASURES |  |  |                                      |
|------------------------------------|--|--|--------------------------------------|
| <b>Flash Point:</b>                | 107° F   | <b>Flash Point test method:</b>              | Pensky Maartens Closed Cup           |
| <b>Auto-ignition Temperature:</b>  | <input checked="" type="checkbox"/> Not applicable <input type="checkbox"/> Not available<br><input type="checkbox"/> deg. C <input type="checkbox"/> deg F. | <b>Flammable Limits (% by volume in air)</b> | LEL        % N/A<br>UEL        % N/A |
| <b>Extinguishing Media:</b>        | Use water spray, alcohol foam, or carbon dioxide.  |  |                                      |
| <b>Explosion Hazards:</b>          | Material will not burn.  |  |                                      |
| <b>Special Instructions:</b>       | None   |  |                                      |

| SECTION VI – ACCIDENTAL RELEASE MEASURES |   |
|--|---|
| <b>Personal Safeguards:</b>              | Avoid excessive contact and contact with the eyes.  |
| <b>Environmental Precautions:</b>        | Treat and dispose of according to all regulations.  |
| <b>Spill Clean-up Procedures:</b>        | <p><i>Industrial:</i> Wipe up with sorbent material. Collect and place in a suitable disposal container. This material is not known to possess additional hazards when spilled, beyond those of other non-hazardous solids.</p> <p><i>Household:</i> Product used in household may be disposed of in refuse or sewer.</p> |

| SECTION VII – HANDLING AND STORAGE                         |                            |
|--|----------------------------|
| <b>Recommended Storage Temperature:</b>                    | Store at room temperature. |
| <b>Personal Precautions for Safe Storage and Handling:</b> | Store at room temperature. |
| <b>Conditions for Safe Storage:</b>                        | Store at room temperature. |
| <b>Other Precautions:</b>                                  | Avoid direct sunlight.     |

| SECTION VIII – EXPOSURE CONTROLS, PERSONAL PROTECTION                                |   |
|--|---|
| This section only applies to the product when used in an <u>industrial setting</u> . |   |
| <b>Ventilation:</b>  | Good general ventilation is sufficient for control. |
| <b>Eye Protection:</b>   | Wear safety glasses.                                |
| <b>Respiratory Protection:</b>   | None if in caplet form.                             |
| <b>Skin Protection:</b>  | Nitrile or PVC gloves are recommended.              |
| <b>Other Special Protection:</b>   | None  |

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| SECTION IX – PHYSICAL AND CHEMICAL PROPERTIES |                             |   |  |
|---|-----------------------------|---|--|
| <b>Appearance / Color:</b>                    | Slightly viscous red liquid | <b>Melting Point:</b>                       | Not available  |
| <b>Odor:</b>                                  | Cherry                      | <b>Boiling Point:</b>                       | Not available  |
| <b>Odor Threshold:</b>                        | Not available               | <b>Solubility in Water:</b>                 | Soluble  |
| <b>Physical State:</b>                        | Liquid                      | <b>Vapor Pressure (mm Hg):</b>              | Not available  |
| <b>Vapor Density:</b>                         | Not available               | <b>Specific Gravity (H<sub>2</sub>O=1):</b> | ~ 1.16   |
| <b>pH:</b>                                    | 4.0 – 6.0                   | <b>Other Data:</b>                          | Product complies with State and Federal regulations for VOC content. |

| SECTION X – STABILITY AND REACTIVITY         |  |
|--|--|
| <b>Stability:</b>                            | Stable                                   |
| <b>Possibility of Hazardous Reaction:</b>    | Hazardous polymerization will not occur. |
| <b>Incompatibility: (Materials to avoid)</b> | None known                               |
| <b>Hazardous Decomposition Products:</b>     | None known                               |

| SECTION XI – TOXICOLOGICAL INFORMATION |   |
|--|---|
| <b>Chronic Effects:</b>                | No chronic health effects reported.                 |
| <b>Target Organs:</b>                  | No target organs reported.                          |
| <b>Carcinogenicity:</b>                | This finished consumer product is not carcinogenic. |
| <b>NTP:</b>                            | No  |
| <b>IARC:</b>                           | No  |

| SECTION XII – ECOLOGICAL INFORMATION  |
|---|
| <p>Relevant ecotoxicity and fate data for ingredients in this formulation have been reviewed. Under normal and foreseeable consumer uses, there are no concerns for aquatic organisms exposed to product ingredients at the anticipated environmental concentrations. The product is compatible with down-the-drain disposal routes, including municipal wastewater treatment processes and septic tank systems. This product is intended for dispersive use and should not be disposed of directly into the environment.</p> |

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| SECTION XIII – DISPOSAL CONSIDERATIONS  |  |
|---|--|
| <b>Waste Disposal Method:</b> Disposal is to be performed in compliance with Federal, State/Provincial and Local regulations. |  |
| <b>Households:</b> Product is safe for disposal down the drain after use.   |  |
| <b>Industrial Setting:</b>  |  |
| Agency  | Requirement  |
| US EPA  | This material has a water content <50% and a flashpoint <140°, and is therefore considered a D001 ignitable hazardous waste when disposed in a commercial setting. |

| SECTION XIV – TRANSPORTATION      |  |
|-----------------------------------|--|
| Agency                            | Classification   |
| US DOT (transportation by ground) | In Bulk Packaging- UN 1993, Flammable Liquid, N.O.S. (ethanol), Class 3, PG III;<br>In Consumer Packaging - not regulated                        |
| IMDG (transportation by sea)      | UN 1993, Flammable Liquid, N.O.S. (ethanol), Class 3, PG III   |
| IATA/ICAO (transportation by air) | In Bulk Packaging- UN 1993, Flammable Liquid, N.O.S. (ethanol), Class 3, PG III;<br>In Consumer Packaging - Consumer Commodity, ID 8000, Class 9 |

| SECTION XV – ADDITIONAL REGULATORY INFORMATION   |                |  |
|--|----------------|--|
| <b>The product(s) described in this Material Safety Data Sheet are regulated under the Federal Food, Drug and Cosmetics Act and are safe to use as per directions on container, box or accompanying literature (where applicable).</b> |                |  |
| <b>US Federal:</b>   |                |  |
| TSCA – All intentionally-added components of this product are listed on the US TSCA Inventory.   |                |  |
| SARA 313/302/304/311/312 chemicals: None   |                |  |
| <b>US States:</b>  |                |  |
| <b>California:</b> This product has been evaluated and does not require warning labeling under California Proposition 65.  |                |  |
| <b>California Registration Number:</b> None  |                |  |
| <b>State Right-to-Know and CERCLA:</b> The following ingredients present in the finished product are listed on state right-to-know lists or state work exposure lists.   |                |  |
| Ingredient(s)  | CERCLA RQ      | State(s)   |
| Propylene Glycol   | Not applicable | MN, PA, RI   |
| Alcohol  | 100 lbs        | CA, CT, IL, IN, KY, LA, MA, MN, NC, NJ, OR, PA, RI |

| SECTION XVI – OTHER INFORMATION   |
|---|
| <b>DISCLAIMER:</b> This MSDS is intended to provide a brief summary of our knowledge and guidance regarding the use of this material. The information contained here has been compiled from sources considered by Procter & Gamble to be dependable and is accurate to the best of the Company's knowledge. It is not meant to be an all-inclusive document on worldwide hazard communication regulations.    |
| This information is offered in good faith. Each user of this material needs to evaluate the conditions of use and design the appropriate protective mechanisms to prevent employee exposures, property damage or release to the environment. Procter & Gamble assumes no responsibility for injury to the recipient or third persons, or for any damage to any property resulting from misuse of the product. |