

Material Safety Data Sheet



Issuing Date: 28-Feb-2014

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Version 1

1. PRODUCT AND COMPANY INFORMATION

Product ID:	92051651_NA
Product name	Vicks DayQuil Severe Cold & Flu Liquid
Product type	Finished Product - Consumer (Retail) Use Only
Recommended use	Health Care
Synonyms	No information available
Manufacturer	The Procter & Gamble Company Mason Business Center 8700 Mason-Montgomery Road Mason, OH 45040-9462
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

This mixture is not considered a hazard when used according to label directions.

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	WHMIS hazardous composition: No ingredients are hazardous according to the Controlled Products Regulation criteria.
Principle routes of exposure	Skin contact. Ingestion.
General hazards	This is a personal care product that is safe for consumers and other users under normal and reasonably foreseeable use.

3. COMPOSITION/INFORMATION ON INGREDIENTS

Hazardous ingredients

Chemical Name	CAS-No	Weight %
Propylene glycol	57-55-6	10 - 30
Glycerin	56-81-5	5 - 10
Acetamide, N-(4-hydroxyphenyl)-	103-90-2	1 - 5
1,2-Propanediol, 3-(2-methoxyphenoxy)-	93-14-1	1 - 5

Active pharmaceutical ingredient

Chemical Name	Synonyms	CAS-No	Weight %
Acetamide, N-(4-hydroxyphenyl)-	Acetaminophen	103-90-2	1 - 5
1,2-Propanediol, 3-(2-methoxyphenoxy)-	Guaifenesin	93-14-1	1 - 5
Morphinan, 3-methoxy-17-methyl-, hydrobromide, hydrate (1:1:1), (9alpha,13alpha,14alpha)-	Dextromethorphan Hydrobromide	6700-34-1	< 0.1
Benzenemethanol, 3-hydroxy-alpha-[(methylamino)methyl]-, hydrochloride (1:1), (alphaR)-	Phenylephrine Hydrochloride	61-76-7	< 0.1

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. Remove contact lenses, if present, after the first 5 minutes, then continue rinsing. If symptoms persist, call a physician.
Skin contact	Wash off with warm water and soap. In the case of skin irritation or allergic reactions see a physician.
Ingestion	Call a physician or poison control center immediately if overdosed.
Inhalation	Not an expected route of exposure.
Protection of first-aiders	Use personal protective equipment.
Most important symptoms/effects, acute and delayed	None known.
Notes to Physician	Treat symptomatically.

5. FIRE-FIGHTING MEASURES

Flash point	Not Applicable
Suitable extinguishing media	Dry chemical, CO ₂ , water spray or alcohol-resistant foam.
Extinguishing media which shall not be used for safety reasons	No information available.
Special hazard	None known based on information supplied.
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.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions	Non-household: Use personal protective equipment.
Advice for emergency responders	Use personal protective equipment.
Environmental precautions	Household: Product is safe to dispose of in household garbage or down the drain. Non-household: Do not discharge product into natural waters without pre-treatment or adequate dilution.
Methods for containment	Non-household: Prevent further leakage or spillage if safe to do so. Prevent product from entering drains.
Methods for cleaning up	Household: Product is safe to dispose of in household garbage or down the drain. Non-household: 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).

7. HANDLING AND STORAGE

Advice on safe handling	Keep out of the reach of children. Handle in accordance with good industrial hygiene and safety practice.
Technical measures/Storage conditions	Keep containers tightly closed in a dry, cool and well-ventilated place. Store in original container. Store at room temperature.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Exposure Guidelines

Chemical Name		CAS-No	ACGIH TLV	OSHA PEL	Mexico PEL
Glycerin		56-81-5	TWA: 10 mg/m³ mist	TWA: 15 mg/m³ mist, total particulate TWA: 5 mg/m³ mist, respirable fraction (vacated) TWA: 10 mg/m³ mist, total particulate (vacated) TWA: 5 mg/m³ mist, respirable fraction	Mexico: TWA 10 mg/m³
Chemical Name	CAS-No	Alberta	Quebec	Ontario TWAEV	British Columbia
Propylene glycol	57-55-6			TWA: 10 mg/m³ TWA: 50 ppm TWA: 155 mg/m³	
Glycerin	56-81-5		TWA: 10 mg/m³	TWA: 10 mg/m³	TWA: 10 mg/m³ TWA: 3 mg/m³

Legend:

TLV - Threshold Limit Value
ACGIH: (American Conference of Governmental Industrial Hygienists)
OSHA: (Occupational Safety & Health Administration)
PEL - Permissible Exposure Limit

Engineering Measures	Non-household: Ensure that eyewash stations and safety showers are close to the workstation location. Ensure adequate ventilation.
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Personal Protective Equipment

Eye Protection	Non-household: Safety glasses with side-shields.
Hand Protection	Non-household: Rubber/latex/neoprene or other suitable chemical resistant gloves.
Skin and body protection	Non-household: Wear protective gloves/clothing.
Respiratory protection	Non-household: None under normal use conditions.

Thermal hazards	Not applicable.
Hygiene measures	Handle in accordance with good industrial hygiene and safety practice.
Environmental exposure controls	See section 6 for more information.

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical State @20°C	liquid
Appearance	orange. viscous liquid.
Odor	Berry

<u>Property</u>	<u>Values</u>	<u>Note</u>
pH value	3.4 - 5.4	
Melting/freezing point	No information available	
Boiling point/boiling range	No information available	
Flash point	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	
Vvapor pressure	No information available	
vapor density	No information available	
Relative density	No information available	
Water solubility	No information available	
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	Partition Coefficient (n-octanol/water)
Propylene glycol	-1.07 (EU Method A.8, shake-flask method, at 20.5 C, pH: 6.2-6.4)
Acetamide, N-(4-hydroxyphenyl)-	0.4

Oxidizing properties	No information available
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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

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Principle routes of exposure

Skin contact. Ingestion.

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

No known effect based on information supplied.

Chemical Name	CAS-No	LD50 Oral	LD50 Dermal	LC50 Inhalation
Propylene glycol	57-55-6	22000 mg/kg bw (standard acute method, rat)	> 2000 mg/kg bw (fixed dose procedure, rabbit)	>158.521 mg/L (Rabbit)
Glycerin	56-81-5	-	-	> 2.75 mg/L (Rat)
Acetamide, N-(4-hydroxyphenyl)-	103-90-2	1944 mg/kg bw (Guideline not indicated; standard acute method; 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.

Germ cell mutagenicity developmental toxicity

There are no known mutagenic chemicals in this product.

Teratogenicity

No known effect.

Carcinogenicity

Contains no ingredients above reportable quantities listed as a carcinogen.

12. ECOLOGICAL INFORMATION

Ecotoxicity

Under normal use conditions as recommended: The product is not expected to be hazardous to the environment. The product is not expected to be hazardous to waste watertreatment processes.

Chemical Name	CAS-No	Toxicity to algae	Toxicity to fish	Toxicity to Microorganisms	Toxicity to daphnia and other aquatic invertebrates	Toxicity to other organisms
Propylene glycol	57-55-6	19300 (OECD 201, Skeletonema costatum, static, growth rate)	40613 mg/L (Guideline: Environment Canada (1990), Oncorhynchus mykiss, static, mortality)	-	18800 mg/L (Guideline: US EPA FIFRA Guideline 72-3 (TSCA 797.1950), Americamysis bahia, static, mortality)	-
Acetamide, N-(4-hydroxyphenyl)-	103-90-2	394.7323 mg/L (Calculated value (Multicase model); pseudokirchneriella subcapitata; duration not indicated; based on growth rate)	812 mg/L (QSAR value (OECD QSAR toolbox version 2.2); Pimephales promelas)	EC50: 2090 mg/L (QSAR value (QSAR toolbox version 2.2); Escherichia coli; 12 h)	LC50: 5305.71 mg/L (QSAR value (QSAR toolbox version 2.2); Brachionus calyciflorus; static; freshwater; 24 h)	LD50: 93.938 mg/kg soil dw (QSAR value (QSAR Toolbox version 3.2); Apis mellifera; 48 h)
Chemical Name	CAS-No	Toxicity to algae	Toxicity to fish	Toxicity to Microorganisms	Toxicity to daphnia and other aquatic invertebrates	Toxicity to other organisms
Propylene glycol	57-55-6			> 20000 mg/L (Guideline published in: Bewertung wassergefährdender Stoffe; Pseudomonas putida, 18 h)	13020 mg/L (Guideline: EPA 600/4-89/001; Ceriodaphnia sp., semi-static,)	
Acetamide, N-(4-hydroxyphenyl)-	103-90-2					8.2 mg/kg soil dw (QSAR value (QSAR Toolbox version 3.2); Allolobophora caliginosa; 7 d)

Persistence and degradability

Chemical Name	Ready Test Results	Persistence and degradability
Propylene glycol	CO2 evolution: 81.7% (OECD 301 F, aerobic; activated sludge, domestic)	96% (Degradation in soil; CH4 and CO2 evolution at test concentration 1000 mg/Kg)
Acetamide, N-(4-hydroxyphenyl)-		t1/2: 30 d (Calculated value (PBT profiler and EPI Suite(Fugacity Model)); soil)

Bioaccumulative potential

Chemical Name	Bioconcentration factor (BCF)
Propylene glycol	0.09 (Calculated value)
Acetamide, N-(4-hydroxyphenyl)-	3.162

Mobility

Chemical Name	KOC Values
Propylene glycol	2.9 (Calculated value)
Acetamide, N-(4-hydroxyphenyl)-	45.09 (Calculated value (KOCWIN Program (v2.00)); MCI method; adsorption: soil; at 25 C)

Other adverse effects No information available.

13. DISPOSAL CONSIDERATIONS**Waste from Residues / Unused Products**

Dispose of in accordance with local regulations. **Household:** Product is safe to dispose of in household garbage or down the drain. **Non-household:** Do not discharge product into natural waters without pre-treatment or adequate dilution.

Contaminated packaging

Dispose of in accordance with local regulations.

California Hazardous Waste Codes (non-household setting)

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14. TRANSPORT INFORMATION**DOT**

Not regulated

TDG

Not regulated

MEX

Not regulated

IATA

Not regulated

ICAO

Not regulated

IMDG

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	No
Chronic Health Hazard	No
Fire Hazard	No
Sudden release of pressure hazard	No
Reactive Hazard	No

CERCLA

This material, as supplied, does not contain any substances regulated as hazardous substances under the Comprehensive Environmental Response Compensation and Liability Act (CERCLA) (40 CFR 302) or the Superfund Amendments and Reauthorization Act (SARA) (40 CFR 355). There may be specific reporting requirements at the local, regional, or state level pertaining to releases of this material.

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 does not contain any substances regulated as pollutants pursuant to the Clean Water Act (40 CFR 122.21 and 40 CFR 122.42).

U.S. State Regulations (RTK)

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Chemical Name	New Jersey
Propylene glycol	X
Glycerin	X

Chemical Name	Massachusetts
Glycerin	X

Chemical Name	Pennsylvania
Propylene glycol	X
Glycerin	X
1,2-Benzisothiazol-3(2H)-one, 1,1-dioxide, sodium salt (1:1)	X

California Proposition 65

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

International Regulations**Canada****WHMIS Statement**

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.

International Inventories**TSCA**

All intentionally-added components of this product(s) are listed on the US TSCA Inventory.

CEPA

P&G Canadian Regulatory reviewed finished products to ensure CEPA Compliance.

Legend

TSCA - United States Toxic Substances Control Act Section 8(b) Inventory

CEPA - Canadian Environmental Protection Act

16. OTHER INFORMATION

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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