

# Material Safety Data Sheet

Material Name: Delsym<sup>®</sup> Night Time Multi-Symptom Relief Liquid (Honey Lemon flavor)

## \*\*\* Section 1 - Chemical Product and Company Identification \*\*\*

**Product Use:** Relieves or reduces fever and pain, relieves cough and nasal congestion

**Manufactured For:** Reckitt Benckiser North America, Inc.  
Morris Corporate Center IV  
399 Interpace Parkway (P.O. Box 225)  
Parsippany, New Jersey 07054-0225, USA

**Emergency telephone number:** 1-800-228-4722 (U.S.)

## \*\*\* Section 2 - Hazards Identification \*\*\*

### Emergency Overview

No hazards anticipated under normal product use as per labeling instructions.

### Potential Health Effects: Eyes

None anticipated under normal product use conditions.

### Potential Health Effects: Skin

None anticipated under normal product use conditions.

### Potential Health Effects: Ingestion

None anticipated under normal product use conditions. Avoid occupational ingestion.

### Potential Health Effects: Inhalation

None anticipated under normal product use conditions.

### HMIS Ratings: Health: 1 Fire: 0 HMIS Reactivity 0

Hazard Scale: 0 = Minimal 1 = Slight 2 = Moderate 3 = Serious 4 = Severe \* = Chronic hazard

## \*\*\* Section 3 - Composition / Information on Ingredients \*\*\*

CAS #	Chemical Component (common name)
50-70-4	D Glucitol (Sorbitol)
57-55-6	1,2 Propanediol (propylene glycol)
56-81-5	Glycerin
103-90-2	Acetamide, N-(4-hydroxy phenyl) (Acetaminophen in USA, Paracetamol in rest of the world)
77-92-9	Citric acid
562-10-7	Ethanamine, -N,N-dimethyl-2- (1-phenyl-1-pyridin-2-yl-ethoxy)-, Butanedioate (Doxylamine Succinate)
6700-34-1	3-Methoxy-17-methyl-9 $\alpha$ ,13 $\alpha$ ,14 $\alpha$ -morphinan hydrobromide (Dextromethorphan Hydrobromide)
61-76-1	(R)-1-(3-Hydroxyphenyl)-2- methylaminoethanol hydrochloride (Phenylephrine Hydrochloride)

## \*\*\* Section 4 - First Aid Measures \*\*\*

### First Aid: Eyes

In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.

### First Aid: Skin

In the event of occupational skin contact, wash contaminated area thoroughly.

### First Aid: Ingestion

In the event of occupational ingestion, seek medical advice. Induction of vomiting is not a recommended first-aid procedure.

### First Aid: Inhalation

Move person to non-contaminated air. Call a physician if symptoms develop or persist.

## \*\*\* Section 5 - Fire Fighting Measures \*\*\*

### General Fire Hazards

See Section 9 for Flammability Properties.

None anticipated

# Material Safety Data Sheet

Material Name: Delsym<sup>®</sup> Night Time Multi-Symptom Relief Liquid (Honey Lemon flavor)

## Hazardous Combustion Products

Not determined

## Extinguishing Media

Use extinguishing media suitable for surrounding fire.

## Fire Fighting Equipment/Instructions

Firefighters should wear full protective gear.

**NFPA Ratings: Health: 1 Fire: 0 Reactivity: 0**

Hazard Scale: 0 = Minimal 1 = Slight 2 = Moderate 3 = Serious 4 = Severe

## \*\*\* Section 6 - Accidental Release Measures \*\*\*

### Containment Procedures

Containment of this material should not be necessary.

### Clean-Up Procedures

Clean up residual material by washing area with water.

### Evacuation Procedures

Isolate area. Keep unnecessary personnel away.

### Special Procedures

None necessary.

## \*\*\* Section 7 - Handling and Storage \*\*\*

### Handling Procedures

Avoid contact with skin and eyes.

### Storage Procedures

No storage requirements necessary for occupational hazards. Follow storage recommendations for the product.

## \*\*\* Section 8 - Exposure Controls / Personal Protection \*\*\*

### Exposure Guidelines

#### A: General Product Information

General mechanical ventilation is adequate for normal use. Local exhaust is recommended for confined areas.

#### B: Component Exposure Limits

##### Glycerin (56-81-5)

ACGIH: 10 mg/m<sup>3</sup> TWA

OSHA: 10 mg/m<sup>3</sup> TWA (total dust); 5 mg/m<sup>3</sup> TWA (respirable fraction)

### Engineering Controls

### PERSONAL PROTECTIVE EQUIPMENT

#### Personal Protective Equipment: Eyes/Face

None required under anticipated product use conditions.

#### Personal Protective Equipment: Skin

None required under anticipated product use conditions.

#### Personal Protective Equipment: Respiratory

None required under anticipated product use conditions.

#### Personal Protective Equipment: General

Eye wash fountain and emergency showers are recommended.

## \*\*\* Section 9 - Physical & Chemical Properties \*\*\*

# Material Safety Data Sheet

Material Name: Delsym<sup>®</sup> Night Time Multi-Symptom Relief Liquid (Honey Lemon flavor)

<b>Appearance:</b>	Colored	<b>Odor:</b>	Honey Lemon
<b>Physical State:</b>	Liquid	<b>pH:</b>	4.0 – 6.9
<b>Vapor Pressure:</b>	ND	<b>Vapor Density:</b>	ND
<b>Boiling Point:</b>	ND	<b>Melting Point:</b>	ND
<b>Solubility (H2O):</b>	ND	<b>Specific Gravity:</b>	ND
<b>Evaporation Rate:</b>	ND	<b>VOC:</b>	ND
<b>Octanol/H2O Coeff.:</b>	ND	<b>Flash Point:</b>	ND
<b>Flash Point Method:</b>	ND	<b>Upper Flammability Limit (UFL):</b>	ND
<b>Lower Flammability Limit (LFL):</b>	ND	<b>Burning Rate:</b>	ND
<b>Auto Ignition:</b>	ND		

## \*\*\* Section 10 - Chemical Stability & Reactivity Information \*\*\*

### Chemical Stability

This is a stable material.

### Chemical Stability: Conditions to Avoid

None for normal handling of this product.

### Incompatibility

None

### Hazardous Decomposition

Not Determined

### Possibility of Hazardous Reactions

Will not occur.

## \*\*\* Section 11 - Toxicological Information \*\*\*

### Acute Dose Effects

#### A: General Product Information

No information available for the product.

#### B: Component Analysis - LD50/LC50

##### D-Glucitol (50-70-4)

Oral LD50 Rat: 15,900 mg/kg; Oral LD50 Mouse: 17,800 mg/kg

##### 1,2 Propanediol (57-55-6)

Oral LD50 Rat: 20000 mg/kg; Oral LD50 Mouse: 22000 mg/kg;

##### Glycerin (56-81-5)

Inhalation LC50 Rat: >570 mg/m<sup>3</sup>/1H; Oral LD50 Rat: 12600 mg/kg; Dermal LD50 Rat: >21900 mg/kg

##### Citric acid (77-92-9)

Oral LD50 Rat: 3000 mg/kg; Oral LD50 Mouse: 5040 mg/kg

##### Doxylamine Succinate (562-10-7)

Oral LD50 Rabbit: 250 mg/kg; Oral LD50 Mouse: 470 mg/kg

##### Phenylephrine Hydrochloride (61-76-7)

Oral LD50 Rat: 350 mg/kg; Oral LD50 Mouse: 120 mg/kg

# Material Safety Data Sheet

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## Dextromethorphan Hydrobromide (6700-34-1)

Oral LD50 Rat: 350 mg/kg; Oral LD50 Mouse: 165 mg/kg; Oral LD50 Guinea Pig: 336 mg/kg;

## Acetaminophen (103-90-2)

Oral LD50 Rat: 1,944 mg/kg; Oral LD50 Mouse: 338 mg/kg

### Carcinogenicity

#### A: General Product Information

No information available for the product.

#### B: Component Carcinogenicity

None of this product's components are listed by ACGIH, IARC, OSHA, NIOSH, or NTP.

### \*\*\* Section 12 - Ecological Information \*\*\*

#### Ecotoxicity

##### A: General Product Information

No data available for this product.

##### B: Component Analysis - Ecotoxicity - Aquatic Toxicity

#### Glycerin (56-81-5)

##### Test & Species

	Conditions
96 Hr LC50 Oncorhynchus mykiss	51000-57000 mg/L
24 Hr EC50 Daphnia magna	>500 mg/L

#### 1,2-Propanediol (57-55-6)

##### Test & Species

	Conditions
96 Hr LC50 Oncorhynchus mykiss	51600 mg/L [static]
96 Hr LC50 Pimephales promelas	51400 mg/L [static]
96 Hr EC50 Selenastrum capricornutum	19000 mg/L
30 min EC50 Photobacterium phosphoreum	710 mg/L
48 Hr EC50 water flea	>10000 mg/L

#### Citric acid (77-92-9)

##### Test & Species

	Conditions
96 Hr LC50 Lepomis macrochirus	1516 mg/L [static]
96 Hr LC50 Leuciscus idus	440 mg/L [static]
15 min EC50 Photobacterium phosphoreum	14 mg/L
72 Hr EC50 Daphnia magna	120 mg/L

### \*\*\* Section 13 - Disposal Considerations \*\*\*

#### US EPA Waste Number & Descriptions

#### Component Waste Numbers

No EPA Waste Numbers are applicable for this product's components.

#### Disposal Instructions

All wastes must be handled in accordance with local, state and federal regulations.

See Section 7 for Handling Procedures. See Section 8 for Personal Protective Equipment recommendations.

### \*\*\* Section 14 - Transportation Information \*\*\*

#### US DOT Information

Shipping Name: Not Regulated

# Material Safety Data Sheet

Material Name: Delsym<sup>®</sup> Night Time Multi-Symptom Relief Liquid (Honey Lemon flavor)

## \*\*\* Section 15 - Regulatory Information \*\*\*

### US Federal Regulations

#### Component Analysis

None of this products components are listed under SARA Section 302 (40 CFR 355 Appendix A), SARA Section 313 (40 CFR 372.65), or CERCLA (40 CFR 302.4).

#### State Regulations

#### Component Analysis - State

The following components appear on one or more of the following state hazardous substances lists:

Component	CAS	CA	MA	MN	NJ	PA	RI
Glycerin	56-81-5	No	Yes	Yes	No	Yes	Yes
1,2-Propanediol	57-55-6	No	No	Yes	No	Yes	Yes

#### Component Analysis - WHMIS IDL

The following components are identified under the Canadian Hazardous Products Act Ingredient Disclosure List:

Component	CAS #	Minimum Concentration
1,2-Propanediol	57-55-6	1 %
Citric acid	77-92-9	1 %

### Additional Regulatory Information

#### Component Analysis - Inventory

Component	CAS #	TSCA	CAN	EEC
D-Glucitol	50-70-4	Yes	DSL	EINECS
Glycerin	56-81-5	Yes	DSL	EINECS
1,2-Propanediol	57-55-6	Yes	DSL	EINECS
Citric acid	77-92-9	Yes	DSL	EINECS

## \*\*\* Section 16 - Other Information \*\*\*

### Other Information

The information herein is presented in good faith and believed to be accurate as of the effective date given. However, no warranty, expressed or implied, is given. It is the buyer's responsibility to ensure that its activities comply with Federal, State or provincial and local laws.

### Key/Legend

EPA = Environmental Protection Agency; TSCA = Toxic Substance Control Act; ACGIH = American Conference of Governmental Industrial Hygienists; IARC = International Agency for Research on Cancer; NIOSH = National Institute for Occupational Safety and Health; NTP = National Toxicology Program; OSHA = Occupational Safety and Health Administration, NJTSR = New Jersey Trade Secret Registry.