

Material Safety Data Sheet

Material Name: Delsym[®] Grape Flavored Suspension

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

Product Use: Grape colored and flavored cough suppressant for both adults and children.

Manufactured For:

Reckitt Benckiser Inc
399 Interpace Parkway (P.O. Box 225)
Parsippany, New Jersey 07054-0225

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

*** Section 2 - Hazards Identification ***

Emergency Overview

No hazards anticipated under normal product use conditions.

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 #	Component
7732-18-5	Water
57-55-6	1,2-Propylene glycol
Not Available	High Fructose Corn Syrup
6700-34-1	Dextromethorphan Hydrobromide (3-Methoxy-17-methyl-9 α ,13 α ,14 α -morphinan hydrobromide monohydrate)
141-78-6	Ethylacetate
3844-45-9	FD&C Blue # 1 Dye
3567-66-6	D&C Red # 33 Dye
77-92-9	Citric acid
6381-92-6	Edetate disodium (Ethylenediaminetetraacetic acid, disodium, dihydrate)
9005-65-6	Polyoxyethylene 20 sorbitan monooleate
9000-65-1	Tragacanth
11138-66-2	Xanthan gum
94-13-3	Propylparaben (Propyl-p-hydroxybenzoate)
99-76-3	Methylparaben (Methyl p-hydroxybenzoate)
57-50-1	Sucrose

*** 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.

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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

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

Sucrose (57-50-1)

ACGIH: 10 mg/m3 TWA

OSHA: 15 mg/m3 TWA (total dust); 5 mg/m3 TWA (respirable fraction)

NIOSH: 10 mg/m3 TWA (total dust); 5 mg/m3 TWA (respirable dust)

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Ethylacetate (141-78-6)

ACGIH: 400 ppm TWA
OSHA: 400 ppm TWA; 1400 mg/m3 TWA
NIOSH: 400 ppm TWA; 1400 mg/m3 TWA

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 ***

Appearance:	Purple	Odor:	None
Physical State:	Liquid	pH:	ND
Vapor Pressure:	ND	Vapor Density:	ND
Boiling Point:	ND	Melting Point:	ND
Solubility (H2O):	ND	Specific Gravity:	ND
Evaporation Rate:	ND	VOC:	ND
Octanol/H2O Coeff.:	ND	Flash Point:	ND
Flash Point Method:	ND	Upper Flammability Limit	ND
		(UFL):	
Lower Flammability Limit	ND	Burning Rate:	ND
(LFL):			
Auto Ignition:	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

Water (7732-18-5)

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Oral LD50 Rat: >90 mL/kg

Dextromethorphan Hydrobromide (3-Methoxy-17-methyl-9 α ,13 α ,14 α -morphinan hydro bromide monohydrate) –(6700-34-1)

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

1,2-Propylene glycol (57-55-6)

Oral LD50 Rat: 20000 mg/kg; Dermal LD50 Rabbit:20800 mg/kg

Sucrose (57-50-1)

Oral LD50 Rat: 29700 mg/kg

Ethylacetate (141-78-6)

Oral LD50 Rat: 5620 mg/kg; Dermal LD50 Rabbit:>20 mL/kg; Dermal LD50 Rabbit:>18000 mg/kg

Citric acid (77-92-9)

Oral LD50 Rat: 3000 mg/kg

Gum tragacanth (9000-65-1)

Oral LD50 Rat: 10200 mg/kg

Polyoxyethylene 20 sorbitan monooleate (9005-65-6)

Oral LD50 Rat: 34500 μ L/kg

Propylparaben - Propyl-p-hydroxybenzoate (94-13-3)

Oral LD50 Mouse: 6332 mg/kg

Methylparaben - Methyl p-hydroxybenzoate (99-76-3)

Oral LD50 Rat: 2100 mg/kg

Carcinogenicity

A: General Product Information

No information available for the product.

B: Component Carcinogenicity

Sucrose (57-50-1)

ACGIH: A4 - Not Classifiable as a Human Carcinogen

C.I. Acid blue 9, disodium salt (3844-45-9)

IARC: Supplement 7 [1987], Monograph 16 [1978] (Group 3 (not classifiable))

*** Section 12 - Ecological Information ***

Ecotoxicity

A: General Product Information

No data available for this product.

B: Component Analysis - Ecotoxicity - Aquatic Toxicity

1,2-Propylene glycol (57-55-6)

Test & Species

96 Hr LC50 Oncorhynchus mykiss

51600 mg/L [static]

96 Hr LC50 Pimephales promelas

51400 mg/L [static]

96 Hr EC50 Selenastrum

19000 mg/L

capricornutum

Conditions

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30 min EC50 Photobacterium phosphoreum	710 mg/L
48 Hr EC50 water flea	>10000 mg/L

Ethylacetate (141-78-6)

Test & Species

Conditions

96 Hr LC50 Pimephales promelas	230 mg/L [flow-through]
96 Hr LC50 Oncorhynchus mykiss	484 mg/L [flow-through]
48 Hr EC50 Scenedesmus subspicatus	3300 mg/L
5 min EC50 Photobacterium phosphoreum	1180 mg/L
15 min EC50 Photobacterium phosphoreum	5870 mg/L
2 Hr EC50 Pseudomonas fluorescens	7400 mg/L
15 min EC50 Pseudomonas fluorescens	1500 mg/L
48 Hr EC50 Daphnia magna	717 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

Ethylacetate (141-78-6)

RCRA: waste number U112 (Ignitable waste)

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

*** Section 15 - Regulatory Information ***

US Federal Regulations

Component Analysis

This material contains one or more of the following chemicals required to be identified under SARA Section 302 (40 CFR 355 Appendix A), SARA Section 313 (40 CFR 372.65) and/or CERCLA (40 CFR 302.4).

Ethylacetate (141-78-6)

CERCLA: 5000 lb final RQ; 2270 kg final RQ

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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
1,2-Propylene glycol	57-55-6	No	No	Yes	No	Yes	Yes
Sucrose	57-50-1	No	Yes	Yes	No	Yes	Yes
Ethylacetate	141-78-6	Yes	Yes	Yes	Yes	Yes	Yes
Gum tragacanth	9000-65-1	No	No	No	Yes	No	No
C.I. Acid blue 9, disodium salt	3844-45-9	Yes	Yes	No	Yes	No	No

Component Analysis - WHMIS IDL

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

Component	CAS #	Minimum Concentration
1,2-Propylene glycol	57-55-6	1 %
Ethylacetate	141-78-6	1 %
Citric acid	77-92-9	1 %
Gum tragacanth	9000-65-1	0.1 %

Additional Regulatory Information

Component Analysis - Inventory

Component	CAS #	TSCA	CAN	EEC
Water	7732-18-5	Yes	DSL	EINECS
Dextromethorphan Hydrobromide (3-Methoxy-17-methyl-9α,13α,14α-morphinan hydro bromide monohydrate)	6700-34-1	No	No	No
1,2-Propylene glycol	57-55-6	Yes	DSL	EINECS
Sucrose	57-50-1	Yes	DSL	EINECS
Xanthan gum	11138-66-2	Yes	DSL	EINECS
Ethylenediaminetetraacetic acid, disodium, dihydrate	6381-92-6	No	DSL	No
Ethylacetate	141-78-6	Yes	DSL	EINECS
C.I. Acid red 33, disodium salt	3567-66-6	Yes	DSL	EINECS
Citric acid	77-92-9	Yes	DSL	EINECS
Gum tragacanth	9000-65-1	Yes	DSL	EINECS
Polyoxyethylene 20 sorbitan monooleate	9005-65-6	Yes	DSL	No
Propyl-p-hydroxybenzoate	94-13-3	Yes	DSL	EINECS
Methyl p-hydroxybenzoate	99-76-3	Yes	DSL	EINECS
C.I. Acid blue 9, disodium salt	3844-45-9	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.