

Material Safety Data Sheet

Material Name: Maximum Strength Mucinex® Fast Max Severe Congestion & Cough

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

Product Use: Relieves chest congestion by making cough productive (expectorant); clears nasal congestion and relieve sinus pressure (nasal decongestant) and cough suppressant.

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

Emergency telephone number:
1-866-MUCINEX
(1-866-682-4639) USA & Canada only.

*** 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 Name (Common Name)
93-14-1	1,2-Propanediol, 3-(2-methoxyphenoxy)- (Guaifenesin)
6700-34-1	3-Methoxy-17-methyl-9 α ,13 α ,14 α -morphinan hydrobromide monohydrate (Dextromethorphan Hydrobromide)
56-81-5	Glycerin (glycerol)
57-55-6	1,2-Propylene glycol (propylene glycol)
56038-13-2	Sucralose
77-92-9	Citric acid

*** 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

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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 are 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/m3 TWA

OSHA: 10 mg/m3 TWA (total dust); 5 mg/m3 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.

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

Appearance:	Pinkish Red	Odor:	Pleasant
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 (UFL):	ND
Lower Flammability Limit (LFL):	ND	Burning Rate:	ND
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

Glycerin (56-81-5)

Inhalation LC50 Rat: >570 mg/m3/1H; Oral LD50 Rat: 12600 mg/kg; Dermal LD50 Rat: >21900 mg/kg

Propylene glycol (57-55-6)

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

Guaifenesin- (93-14-1)

Oral LD50 Rat: 1510 mg/kg

Dextromethorphan Hydrobromide (6700-34-1)

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

Sucralose (56038-13-2)

Oral LD50 Rat: >10,000 mg/kg

Oral LD50 mouse: >16,000 mg/kg

Citric acid (77-92-9)

Oral LD50 Rat: 3000 mg/kg

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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

Conditions

1,2-Propylene glycol (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

Conditions

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

Conditions

*** 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

The supply chain temperature limits provided in Section 7 must be adhered to during transportation

*** 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).

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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
Glycerin	56-81-5	No	Yes	Yes	No	Yes	Yes
Propylene glycol	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
Propylene glycol	57-55-6	1 %
Citric acid	77-92-9	1 %

Additional Regulatory Information

Component Analysis - Inventory

Component	CAS #	TSCA	CAN	EEC
Glucose	50-99-7	Yes	DSL	EINECS
Glycerin	56-81-5	Yes	DSL	EINECS
Propylene glycol	57-55-6	Yes	DSL	EINECS
Guaifenesin	93-14-1	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.