Product Safety Data Sheet

Document Code:	D0285534	**Version :**	1.0
Description:	MUCINEX ADULT COLD & SINUS LIQ	**Status:**	Published
Project Name:	Mercury	**Project Number :**	GU+APAP+PE
Category:	Cough	**Segment:**	Multi-Symptom Cough
Formula Type:	FILL FORMULA		

PSDS

PSDS

ALL FORMULATIONS OF RECKITT BENCKISER HOUSEHOLD
AND TOILETRY, PHARMACEUTICAL AND INDUSTRIAL
PRODUCTS ARE PROPRIETARY, WHERE ADVICE IS AVAILABLE TO MEDICAL
PRACTITIONERS ONLY.
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IN CASE OF EMERGENCY, CONTACT A MEDICAL PRACTITIONER OR *Reckitt Benckiser Healthcare North America Inc.*
Emergency Contact: 1-866-MUCINEX (1-866-682-4639) (USA)
AND ASK FOR THE MEDICAL INFORMATION UNIT.

Material Name: Maximum Strength Mucinex® Fast Max Cold & Sinus Liquid

1. PRODUCT AND COMPANY IDENTIFICATION

Product Use: Relieves chest congestion by making cough productive (expectorant); reduces fever and pain (analgesi nasal congestion and relieve sinus pressure (nasal decongestant).

Manufactured for: Reckitt Benckiser LLC, Morris Corporate Centre IV, 399 Interspace Parkway (P.O. Box 225), Parsippany, New Jers USA

Emergency Telephone: 1-866-MUCINEX (1-866-682-4639) (USA)

2. COMPOSITION

Mucinex Cold & Sinus (Maximum Strength) Liquid: Each 20 mL of liquid contains Paracteamol (BP) or Acetaminophen (USP) 650 mg + Guaifenes Phenylephrine Hydrochloride 10 mg.

CAS #	Component
93-14-1	1,2-Propanediol, 3-(2-methoxyphenoxy)- (Guaifenesin)
61-76-1	(R)-m-Hydroxy-α-(methylaminomethyl-benzylalcohol) Phenylephrine hydrochloride

50-70-4	D-Glucitol (Sorbitol)
56-81-5	Glycerol (Glycerin)
57-55-6	1,2-Propylene glycol
50-99-7	Sucralose
77-92-9	Citric acid
103-90-2	Paracetamol, BP; Acetaminophen, USP

3. 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

Guaifenesin

Gastro-intestinal discomfort has occasionally been reported for guaifenesin. Very large doses cause nausea and vomiting.

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.

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

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.

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.

The following requirements are in place for shipping and distribution (they may be different to those on the pack which provide guidance for long te
consumer):

Protect from direct sunlight. Long term average storage temperature should not exceed 30 °C and do not store below 15 °C. The following excursions
60 °C - Not permitted
50 °C - Not permitted
40 °C - Not more than 4 weeks
The excursions are not cumulative

8. EXPOSURE CONTROL AND PERSONAL PROTECTION

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.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance:	Blue Colour	**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		

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.

11. TOXICOLOGY INFORMATION

Acute Dose Effects

A: General Product Information
No information available for the product.

B: Component Analysis - LD50

Citric acid (77-92-9)
Oral LD50 Rat: 3000 mg/kg

Glycerin (Glycerol) (56-81-5)
Inhalation LC50 Rat: >570 mg/m3/1H; Oral LD50 Rat:12600 mg/kg; Dermal LD50 Rat:>21900 mg/kg

Guaifenesin (93-14-1)
Oral LD50 Rat: 1510 mg/kg

Paracetamol (UK) or Acetaminophen (USA) (103-90-2)
Oral Rat LD50: 2404 mg/kg
IPR-Rat LD50: 1205 mg/kg
IPR-Mouse LD50: 367 mg/kg

Propylene glycol (57-55-6)
Oral LD50 Rat: 20000 mg/kg; Dermal LD50 Rabbit:20800 mg/kg

Sorbitol (50-70-4)
Oral LD50 Rat (IV) 29,600 mg/kg
Oral LD50 mouse: 17,800 mg/kg

Sucralose (56038-13-2)
Oral LD50 Rat: >10,000 mg/kg
Oral LD50 mouse: >16,000 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.

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	

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	

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	

13. DISPOSAL CONSIDERATION

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.

14. TRANSPORTATION INFORMATION

US DOT Information

Shipping Name: Not Regulated

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 (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
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
Phenlephrine Hydrochloride, USP	61-76-1	Yes	DSL
D-Glucitol (Sorbitol)	50-70-4	Yes	DSL
Glycerin (Glycerol)	56-81-5	Yes	DSL
Propylene glycol	57-55-6	Yes	DSL
Guaifenesin, USP	93-14-1	Yes	DSL
Citric Acid	77-92-9	Yes	DSL
Acetaminophen, USP	103-90-2	Yes	DSL

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 impli
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
International Agency for Research on Cancer; NIOSH = National Institute for Occupational Safety and Health; NTP = National Toxicology Program; O
Occupational Safety and Health Administration, NJTSR = New Jersey Trade Secret Registry.

Where Used

Where Used

Customer Product Bill of Material	Formulation Bill of Material
	0326655 : FIL,MUCNX,ADLT CLD&SI LIQ(ALT)
	0285475 : FIL,MUCNX,ADLT COLD& SINUS LIQ

History

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