

# Material Safety Data Sheet

Material Name: Mucinex<sup>®</sup> DM 1200 Tablets (Maximum Strength)

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

**Product Use:** Helps loosen phlegm (mucus) and thin bronchial secretions to rid the bronchial passageways of bothersome mucus, making cough productive (expectorant) and reduces the frequency of non productive cough (cough suppressant)

### Manufacturer Information

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

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

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

### Emergency Overview

Contact with broken tablets may result in skin, eye, and respiratory tract irritation. Dusts may form explosive mixtures in air.

### Potential Health Effects: Eyes

None anticipated under normal product use conditions. Exposure to dusts from broken tablets may cause irritation.

### Potential Health Effects: Skin

None anticipated under normal product use conditions. Prolonged skin exposure to dusts from broken tablets may cause irritation.

### 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. Exposure to dusts from broken tablets may cause respiratory tract irritation.

### 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
93-14-1	1,2-Propanediol, 3-(2-methoxyphenoxy)-
6700-34-1	(3-Methoxy-17-methyl-9 $\alpha$ ,13 $\alpha$ ,14 $\alpha$ -morphinan hydrobromide monohydrate (Dextromethorphan Hydrobromide)
557-04-0	Magnesium stearate
9003-01-4	Acrylic resin
9004-65-3	Cellulose hydroxypropyl methyl ether
9063-38-1	Starch, carboxymethyl ether, sodium salt
9004-34-6	Cellulose
68814-04-0	D&C Yellow No. 10 Aluminum Lake (14-18%)

### Component Related Regulatory Information

This product may be regulated, have exposure limits or other information identified as the following: Guaifenesin (12041-73-5) and Dextromethorphan Hydrobromide (6700-34-1)

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## \*\*\* 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.

Dusts may present an explosion hazard.

### Hazardous Combustion Products

Oxides of carbon.

### 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

Sweep up and place in an appropriate closed container. Avoid creation of dusty conditions. Clean up residual material by washing area with water.

### Evacuation Procedures

Isolate area. Keep unnecessary personnel away.

### Special Procedures

Avoid inhalation of dust from the spilled material.

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

### Handling Procedures

Avoid breaking or crushing tablets.

### 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.

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## B: Component Exposure Limits

### Cellulose (9004-34-6)

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)

## 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: Yellow and white Bilayer tablets

Physical State: Solid

Vapor Pressure: ND

Boiling Point: ND

Solubility (H2O): ND

Evaporation Rate: ND

Octanol/H2O Coeff.: ND

Flash Point Method: ND

Lower Flammability Limit ND

(LFL):

Auto Ignition: ND

Odor: None

pH: ND

Vapor Density: ND

Melting Point: ND

Specific Gravity: ND

VOC: ND

Flash Point: ND

Upper Flammability Limit ND

(UFL):

Burning Rate: 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

Oxides of carbon may be evolved if product is involved in a fire.

### 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

1,2-Propanediol, 3-(2-methoxyphenoxy)- (93-14-1)

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Oral LD50 Rat: 1510 mg/kg

**Acrylic resin (9003-01-4)**

Oral LD50 Rat: 2500 mg/kg

**Cellulose (9004-34-6)**

Inhalation LC50 Rat: >5800 mg/m<sup>3</sup>/4H; Oral LD50 Rat: >5 g/kg; Dermal LD50 Rabbit: >2 g/kg

**3-Methoxy-17-methyl-9 $\alpha$ ,13 $\alpha$ ,14 $\alpha$ -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

## Carcinogenicity

### A: General Product Information

No information available for the product.

### B: Component Carcinogenicity

**Acrylic resin (9003-01-4)**

IARC: Supplement 7 [1987], Monograph 19 [1979] (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

**Acrylic resin (9003-01-4)**

#### Test & Species

96 Hr LC50 *Lepomis macrochirus*

580 mg/L

96 Hr EC50 water flea

168 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

## \*\*\* 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

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### 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
Cellulose	9004-34-6	No	Yes	Yes	No	Yes	Yes

### Component Analysis - WHMIS IDL

No components are listed in the WHMIS IDL.

### Additional Regulatory Information

### Component Analysis - Inventory

Component	CAS #	TSCA	CAN	EEC
1,2-Propanediol, 3-(2-methoxyphenoxy)-	93-14-1	Yes	DSL	EINECS
3-Methoxy-17-methyl-9 $\alpha$ ,13 $\alpha$ ,14 $\alpha$ -morphinan hydro bromide monohydrate	6700-34-1	No	No	No
Acrylic resin	9003-01-4	Yes	DSL	No
Cellulose	9004-34-6	Yes	DSL	EINECS
Cellulose hydroxypropyl methyl ether	9004-65-3	Yes	DSL	No
Starch, carboxymethyl ether, sodium salt	9063-38-1	Yes	DSL	No
Magnesium stearate	557-04-0	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. All raw material ingredients meet or exceed United States Pharmacopeia requirements.

### 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.