

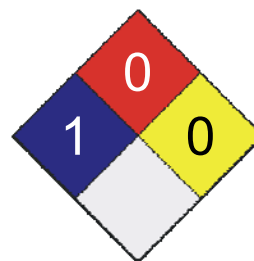
## 1. Product and Company Identification

**Product Name** MUCINEX® FAST-MAX™ Severe Congestion & Cough Caplets  
**CAS #** Mixture  
**This MSDS is designed for workplace employees, emergency personnel and for other conditions and situations where there is a greater potential for large-scale or prolonged exposure, in accordance with requirements of the U.S. Government's Occupational Safety and Health Administration (OSHA).**  
**This MSDS is not applicable for consumer use of our products. For consumer use, all precautionary and first aid language is provided on the product label in accordance with the applicable government regulation.**

**Product Use** Cough Suppressant, Expectorant, Nasal Decongestant  
**Distributed by** Reckitt Benckiser  
 Morris Corporate Center IV  
 399 Interpace Parkway  
 P.O. Box 225  
 Parsippany, NJ 07054-0225  
 In Case of Emergency: 1-800-338-6167  
 Transportation Emergencies: 24 Hour Number:  
 North America: CHEMTREC: 1-800-424-9300  
 Outside North America: 1-703-527-3887

LEGEND HMIS/NFPA	
Severe	4
Serious	3
Moderate	2
Slight	1
Minimal	0

Health	/ 1
Flammability	0
Physical Hazard	0
Personal Protection	



## 2. Hazards Identification

**Emergency overview** This product is regulated by the US FDA as an over-the-counter, monograph drug.

**WARNINGS:** Do not use if you are now taking a prescription monoamine oxidase inhibitor (MAOI) (certain drugs for depression, psychiatric or emotional conditions, or Parkinson's disease), or for 2 weeks after stopping the MAOI drug. If you do not know if your prescription drug contains an MAOI, ask a doctor or pharmacist before taking the product.

Ask a doctor before use if you have:  
 \* heart disease, high blood pressure, thyroid disease, diabetes, trouble urinating due to an enlarged prostate gland, persistent or chronic cough such as occurs with smoking, asthma, chronic bronchitis or emphysema, cough that occurs with too much phlegm (mucus)

When using this product do not use more than directed.  
 Stop use and ask a doctor if:  
 \*Nervousness, dizziness or sleeplessness occur.  
 \*Symptoms do not get better within 7 days or occur with fever  
 \*Cough comes back, or occurs with rash or persistent headache. These could be signs of a serious condition.

If pregnant or breast feeding, ask a health professional before use.  
 In case of overdose, get medical help or contact a Poison Control Center (1-800-222-1222) right away.

KEEP OUT OF REACH OF CHILDREN.

### Potential short term health effects

**Routes of exposure** Eye, Skin contact, Inhalation, Ingestion.

**Eyes** No risks anticipated in normal use. Exposure to dusts from broken tablets may cause irritation.

**Skin** No risks anticipated in normal use. Prolonged skin exposure to dusts from broken tablets may cause irritation.

<b>Inhalation</b>	No risks anticipated in normal use. Exposure to dusts from broken tablets may cause respiratory tract irritation.
<b>Ingestion</b>	No risks anticipated in normal use. Avoid occupational ingestion.
<b>Target organs</b>	Eyes. Respiratory system. Skin.
<b>Chronic effects</b>	The finished product is not expected to have chronic health effects.
<b>Signs and symptoms</b>	May cause irritation.
<b>OSHA Regulatory Status</b>	This product is a "Hazardous Chemical" as defined by the OSHA Hazard Communication Standard, 29 CFR 1910.1200.
<b>Potential environmental effects</b>	See section 12.

### 3. Composition / Information on Ingredients

Ingredient(s)	CAS #	Percent
Cellulose	9004-34-6	20 - 40
Guaifenesin	93-14-1	20 - 40
Dextromethorphan hydrobromide	6700-34-1	1 - 2.5
Talc	14807-96-6	1 - 2.5
Titanium oxide	13463-67-7	1 - 2.5
Phenylephrine hydrochloride	61-76-7	0.1 - 1

### 4. First Aid Measures

#### First aid procedures

<b>Eye contact</b>	In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.
<b>Skin contact</b>	In the event of occupational skin contact, wash contaminated area thoroughly.
<b>Inhalation</b>	Move person to non-contaminated air. Call a physician if symptoms develop or persist.
<b>Ingestion</b>	In the event of occupational ingestion, seek medical advice. Induction of vomiting is not a recommended first-aid procedure.

#### Notes to physician

<b>General advice</b>	Treat patient symptomatically. If you feel unwell, seek medical advice (show the label where possible). Ensure that medical personnel are aware of the material(s) involved, and take precautions to protect themselves. Show this safety data sheet to the doctor in attendance. Avoid contact with eyes and skin. Keep out of reach of children.
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### 5. Fire Fighting Measures

<b>Flammable properties</b>	Not flammable by OSHA criteria. Dusts may form an explosive mixture with air.
<b>Extinguishing media</b>	
<b>Suitable extinguishing media</b>	Treat for surrounding material. Water Fog. Water spray.
<b>Unsuitable extinguishing media</b>	Not available
<b>Protection of firefighters</b>	
<b>Specific hazards arising from the chemical</b>	Not available
<b>Protective equipment for firefighters</b>	Firefighters should wear full protective clothing including self contained breathing apparatus.
<b>Hazardous combustion products</b>	May include and are not limited to: Oxides of carbon. Oxides of nitrogen.
<b>Explosion data</b>	
<b>Sensitivity to mechanical impact</b>	Not available
<b>Sensitivity to static discharge</b>	Not available

### 6. Accidental Release Measures

<b>Personal precautions</b>	Keep unnecessary personnel away. Do not touch or walk through spilled material. Do not touch damaged containers or spilled material unless wearing appropriate protective clothing. Keep people away from and upwind of spill/leak.
<b>Environmental precautions</b>	Do not discharge into lakes, streams, ponds or public waters. Inform the relevant authorities if the product has caused environmental pollution.

**Methods for containment**

Prevent entry into waterways, sewers, basements or confined areas.

**Methods for cleaning up**

Before attempting clean up, refer to hazard data given above. Use broom or dry vacuum to collect material for proper disposal without raising dust. Rinse area with water. Prevent large spills from entering sewers or waterways. Contact emergency services and supplier for advice.

## 7. Handling and Storage

**Handling**

Tamper evident: do not use if outer package is opened or blister is torn or broken.  
 Use good industrial hygiene practices in handling this material.  
 Avoid contact with skin and clothing.  
 Avoid contact with eyes.  
 Keep container tightly closed.  
 Use only with adequate ventilation.  
 Wash thoroughly after handling.  
 Avoid breaking or crushing tablets.

**Storage**

Store between 20°C and 25°C (68°F-77°F).  
 Store in a closed container away from incompatible materials.  
 Protect from direct sunlight.  
 Keep out of reach of children.

## 8. Exposure Controls / Personal Protection

**Exposure limits****Ingredient(s)****Exposure Limits**

Cellulose

**ACGIH-TLV**TWA: 10 mg/m<sup>3</sup>**OSHA-PEL**TWA: 15 mg/m<sup>3</sup>

Dextromethorphan hydrobromide

**ACGIH-TLV**

Not established

**OSHA-PEL**

Not established

Guaifenesin

**ACGIH-TLV**

Not established

**OSHA-PEL**

Not established

Talc

**ACGIH-TLV**TWA: 2 mg/m<sup>3</sup>**OSHA-PEL**

Not established

Phenylephrine hydrochloride

**ACGIH-TLV**

Not established

**OSHA-PEL**

Not established

Titanium oxide

**ACGIH-TLV**TWA: 10 mg/m<sup>3</sup>**OSHA-PEL**TWA: 15 mg/m<sup>3</sup>**Engineering controls**

General ventilation normally adequate.

## Personal protective equipment

Consult the product label for special protection or precautions that have been identified for using this product under directed consumer use conditions. The following recommendations are given for workplace employees, emergency personnel and for other conditions and situations where there is a greater potential for large-scale or prolonged exposure.

<b>Eye / face protection</b>	No special requirements under normal use conditions. Emergency responders should wear full eye and face protection.
<b>Hand protection</b>	No special requirements under normal use conditions. Emergency responders should wear impermeable gloves.
<b>Skin and body protection</b>	As required by employer code.
<b>Respiratory protection</b>	No special requirements under normal use conditions. Emergency responders should wear self-contained breathing apparatus (SCBA) to avoid inhalation of vapours generated by this product during a spill or other clean-up operations.
<b>General hygiene considerations</b>	Handle in accordance with good industrial hygiene and safety practice. Wash hands before breaks and immediately after handling the product. Eye wash fountains and emergency showers are recommended.

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## 9. Physical and Chemical Properties

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<b>Appearance</b>	Tablet.
<b>Color</b>	Pearlescent Red
<b>Form</b>	Tablets
<b>Odor</b>	None
<b>Odor threshold</b>	Not available
<b>Physical state</b>	Solid
<b>pH</b>	Not available
<b>Freezing point</b>	Not available
<b>Boiling point</b>	Not available
<b>Pour point</b>	Not available
<b>Evaporation rate</b>	Not available
<b>Flash point</b>	Not available
<b>Auto-ignition temperature</b>	Not available
<b>Flammability limits in air, lower, % by volume</b>	Not applicable
<b>Flammability limits in air, upper, % by volume</b>	Not applicable
<b>Vapor pressure</b>	Not available
<b>Vapor density</b>	Not available
<b>Specific gravity</b>	Not available
<b>Octanol/water coefficient</b>	Not available

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## 10. Stability and Reactivity

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<b>Reactivity</b>	Accumulation of dust, static discharge, sparks, high temperatures.
<b>Possibility of hazardous reactions</b>	Hazardous polymerization does not occur.
<b>Chemical stability</b>	Stable under recommended storage conditions.
<b>Conditions to avoid</b>	Do not mix with other chemicals. This product may react with oxidizing agents.
<b>Incompatible materials</b>	Caustics.
<b>Hazardous decomposition products</b>	May include and are not limited to: Oxides of carbon. Oxides of nitrogen.

## 11. Toxicological Information

### Component analysis - LC50

Ingredient(s)	LC50
Cellulose	Not available
Dextromethorphan hydrobromide	Not available
Guaifenesin N	ot available
Talc Not	available
Phenylephrine hydrochloride	Not available
Titanium oxide	Not available

### Component analysis - Oral LD50

Ingredient(s)	LD50
Cellulose	5000 mg/kg rat
Dextromethorphan hydrobromide	350 mg/kg rat; 165 mg/kg mouse
Guaifenesin	1510 mg/kg rat; 690 mg/kg mouse
Talc Not	available
Phenylephrine hydrochloride	350 mg/kg rat; 120 mg/kg mouse
Titanium oxide	24000 mg/kg rat

### Effects of acute exposure

<b>Eye</b>	No risks anticipated in normal use. Exposure to dusts from broken tablets may cause irritation.
<b>Skin</b>	No risks anticipated in normal use. Prolonged skin exposure to dusts from broken tablets may cause irritation.
<b>Inhalation</b>	No risks anticipated in normal use. Exposure to dusts from broken tablets may cause respiratory tract irritation.
<b>Ingestion</b>	No risks anticipated in normal use. Avoid occupational ingestion.
<b>Sensitization</b>	The finished product is not expected to have chronic health effects.
<b>Chronic effects</b>	The finished product is not expected to have chronic health effects.
<b>Carcinogenicity</b>	The finished product is not expected to have chronic health effects.
<b>Mutagenicity</b>	The finished product is not expected to have chronic health effects.
<b>Reproductive effects</b>	The finished product is not expected to have chronic health effects.
<b>Teratogenicity</b>	The finished product is not expected to have chronic health effects.
<b>Name of Toxicologically Synergistic Products</b>	Not available

## 12. Ecological Information

<b>Ecotoxicity</b>	See below
<b>Ecotoxicity - Freshwater Fish - Acute Toxicity Data</b>	
Talc	14807-96-6 96 Hr LC50 Brachydanio rerio: >100 g/L [semi-static]
<b>Persistence / degradability</b>	Not available
<b>Bioaccumulation / accumulation</b>	Not available
<b>Mobility in environmental media</b>	Not available
<b>Environmental effects</b>	Not available
<b>Aquatic toxicity</b>	Not available

Partition coefficient	Not available
Chemical fate information	Not available

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### 13. Disposal Considerations

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Disposal instructions	Dispose in accordance with all applicable regulations. Do not flush to surface water or sanitary sewer systems.
Waste from residues / unused products	Not available
Contaminated packaging	Not available

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### 14. Transport Information

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UN/ID N.o. Not applicable

U.S. Department of Transportation (DOT): Classification: Not regulated

Proper shipping name	Not applicable
U.S. DOT Hazard Class	Not applicable
Subsidiary Risk	Not applicable
Packing group	Not applicable
DOT RQ (lbs)	Not applicable
ERG NO	Not applicable

Transportation of Dangerous Goods (TDG - Canada): Classification: Not regulated

Proper shipping name	Not applicable
Status	Not applicable
Packing group	Not applicable

IMDG (Marine Transport): Classification: Not regulated

Proper shipping name	Not applicable
Class	Not applicable
Subsidiary Risk	Not applicable
Packing group	Not applicable
IMDG Page	Not applicable
Marine pollutant	Not applicable
EMS	Not applicable
MFAG	Not applicable
Maximum Quantity	Not applicable

**IATA/ICAO (Air): Classification:** Not regulated

**Proper shipping name** Not applicable

**Class** Not applicable

**Subsidiary Risk:** Not applicable

**Packing group** Not applicable

**Maximum Quantity** Not applicable

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## 15. Regulatory Information

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### Occupational Safety and Health Administration (OSHA)

**29 CFR 1910.1200 hazardous chemical** Yes

### US Federal regulations

This product is a "Hazardous Chemical" as defined by the OSHA Hazard Communication Standard, 29 CFR 1910.1200.

All components of this product are either on the Toxic Substances Control Act list (TSCA) or exempt.

### CERCLA (Superfund) reportable quantity

None

### Superfund Amendments and Reauthorization Act of 1986 (SARA)

**Hazard categories** Immediate Hazard - Yes  
Delayed Hazard - Yes  
Fire Hazard - No  
Pressure Hazard - No  
Reactivity Hazard - No

**Section 302 extremely hazardous substance** No

**Section 311 hazardous chemical** Yes

**Clean Water Act (CWA)** Not available

**State regulations**

This product is not subject to warning labeling under the California Proposition 65 regulation.

**U.S. - California - 8 CCR Section 339 - Director's List of Hazardous Substances**

Hydrous magnesium silicate 14807-96-6 Present (exempt except when inhalable dust is present or can be generated by use)

**U.S. - Illinois - Toxic Air Contaminant Carcinogens**

Titanium oxide 13463-67-7 IARC 2B Carcinogen

**U.S. - Massachusetts - Right To Know List**

Cellulose 9004-34-6 Present

Talc 14807-96-6 Present (exempt when encapsulated or if particulates are not present and cannot be substantially generated through use of the product)

Titanium oxide 13463-67-7 Present

**U.S. - Minnesota - Hazardous Substance List**

Cellulose 9004-34-6 Present (dust, paper fiber)

Talc 14807-96-6 Present (fibrous, nonasbestiform, dust and fume)

Titanium oxide 13463-67-7 Present (dust)

**U.S. - New Jersey - Right to Know Hazardous Substance List**

Cellulose 9004-34-6 sn 3227

Talc 14807-96-6 sn 1773

Titanium oxide 13463-67-7 sn 1861

**U.S. - Pennsylvania - RTK (Right to Know) List**

Cellulose 9004-34-6 Present

Talc 14807-96-6 Present

Titanium oxide 13463-67-7 Present

**U.S. - Rhode Island - Hazardous Substance List**

Cellulose 9004-34-6 Toxic

Talc 14807-96-6 Toxic (powder or fibrous)

Titanium oxide 13463-67-7 Toxic

**Inventory status**

Country(s) or region	Inventory name	On inventory (yes/no)*
United States & Puerto Rico	Toxic Substances Control Act (TSCA) Inventory	No

A "Yes" indicates that all components of this product comply with the inventory requirements administered by the governing country(s)

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## 16. Other Information

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**Disclaimer**

This product should only be used as directed on the label and for the purpose intended. To the best of our knowledge, the information contained herein is accurate. However, neither the above named supplier nor any of its subsidiaries assumes any liability whatsoever for the accuracy or completeness of the information contained herein. Final determination of suitability of any material is the sole responsibility of the user. All materials may present unknown hazards and should be used with caution. Although certain hazards are described herein, we cannot guarantee that these are the only hazards that exist.

**Further information**

MUCINEX® FAST-MAX™ Severe Congestion & Cough Caplets, 20 ct/30 ct  
- 8070227v1.0

**Issue date**

18-Jul-2013

**Effective date**

15-Jul-2013

**Prepared by**

Reckitt Benckiser Regulatory Department 800-333-3899

**Other information**

For an updated MSDS, please contact the supplier/manufacturer listed on the first page of the document.

This MSDS conforms to the ANSI Z400.1/Z129.1-2010 Standard.