

## 1. Product and Company Identification

**Product Name** MUCINEX® SINUS-MAX™ Severe Congestion Relief  
**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).**

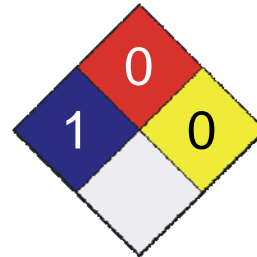
**This MSDS is not applicable for consumer use of our products. For consumer use, all precautionary and first aid language is provided on the product label in accordance with the applicable government regulation.**

**Product Use** Pain Reliever, 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		



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## 2. Hazards Identification

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### Emergency overview

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

#### WARNINGS:

Liver warning: This product contains acetaminophen. Severe liver damage may occur if you take:

\* more than 12 caplets in 24 hours, which is the maximum daily amount.

\*with other drugs containing acetaminophen.

\*3 or more alcoholic drinks daily while using this product.

Do not use with any other drug containing acetaminophen (prescription or nonprescription). If you are not sure whether a drug contains acetaminophen, ask a doctor or pharmacist.

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:

\*Liver disease, heart disease, diabetes, high blood pressure, thyroid disease, 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).

Ask a doctor or pharmacist before use if you are taking the blood thinning drug warfarin.

When using this product do not use more than directed.

Stop use and ask a doctor if:

\*Nervousness, dizziness or sleeplessness occur.

\*Pain, nasal congestion or cough gets worse or lasts more than 7 days.

\*Fever gets worse or lasts more than 3 days.

\*Redness or swelling is present.

\*New symptoms occur.

\*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.

KEEP OUT OF REACH OF CHILDREN.

Overdose warning: Taking more than the recommended dose (overdose) may cause liver damage. In case of overdose, get medical help or contact a Poison Control Center right away (1-800-222-1222). Quick medical attention is critical for adults as well as for children even if you do not notice any signs of symptoms.

### 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.

#### Inhalation

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

#### Ingestion

No risks anticipated in normal use. Avoid occupational ingestion.

#### Target organs

Eyes. Respiratory system. Skin.

#### Chronic effects

The finished product is not expected to have chronic health effects.

#### Signs and symptoms

May cause irritation.

#### OSHA Regulatory Status

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

#### Potential environmental effects

See section 12.

### 3. Composition / Information on Ingredients

Ingredient(s)	CAS #	Percent
Acetaminophen	103-90-2	20 - 40
Cellulose	9004-34-6	20 - 40
Guaifenesin	93-14-1	20 - 40
Phenylephrine hydrochloride	61-76-7	0.1 - 1
Titanium oxide	13463-67-7	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

Treat patient symptomatically.

#### General advice

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.

### 5. Fire Fighting Measures

#### Flammable properties

Not flammable by OSHA criteria.  
Dusts may form an explosive mixture with air.

#### Extinguishing media

**Suitable extinguishing media** Treat for surrounding material. Water Fog. Water spray.

**Unsuitable extinguishing media** Not available

#### Protection of firefighters

**Specific hazards arising from the chemical** Not available

**Protective equipment for firefighters** Firefighters should wear full protective clothing including self contained breathing apparatus.

#### Hazardous combustion products

May include and are not limited to: Oxides of carbon. Oxides of nitrogen.

#### Explosion data

**Sensitivity to mechanical impact** Not available

**Sensitivity to static discharge** Not available

### 6. Accidental Release Measures

#### Personal precautions

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.

#### Environmental precautions

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.

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## 7. Handling and Storage

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<b>Handling</b>	Tamper evident: do not use if outer package is opened or blister is torn or broken or missing. 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.
<b>Storage</b>	Store at room temperature (68-77°F)(20-25°C). Store in a closed container away from incompatible materials. Protect from direct sunlight. Keep out of reach of children.

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## 8. Exposure Controls / Personal Protection

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### Exposure limits

Ingredient(s)	Exposure Limits
Acetaminophen	<b>ACGIH-TLV</b> Not established <b>OSHA-PEL</b> Not established
Cellulose	<b>ACGIH-TLV</b> TWA: 10 mg/m <sup>3</sup> <b>OSHA-PEL</b> TWA: 15 mg/m <sup>3</sup>
Guaifenesin	<b>ACGIH-TLV</b> Not established <b>OSHA-PEL</b> Not established
Phenylephrine hydrochloride	<b>ACGIH-TLV</b> Not established <b>OSHA-PEL</b> Not established
Titanium oxide	<b>ACGIH-TLV</b> TWA: 10 mg/m <sup>3</sup> <b>OSHA-PEL</b> 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.**

#### Eye / face protection

No special requirements under normal use conditions. Emergency responders should wear full eye and face protection.

#### Hand protection

No special requirements under normal use conditions.  
Emergency responders should wear impermeable gloves.

#### Skin and body protection

As required by employer code.

#### Respiratory protection

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.

**General hygiene considerations** 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.

## 9. Physical and Chemical Properties

<b>Appearance</b>	Tablet.
<b>Color</b>	Orange
<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

## 10. Stability and Reactivity

<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

<b>Ingredient(s)</b>	<b>LC50</b>
Acetaminophen	Not available
Cellulose	Not available
Guaifenesin	Not available
Phenylephrine hydrochloride	Not available
Titanium oxide	Not available

### Component analysis - Oral LD50

<b>Ingredient(s)</b>	<b>LD50</b>
Acetaminophen	2404 mg/kg rat; 338 mg/kg mouse
Cellulose	5000 mg/kg rat
Guaifenesin	1510 mg/kg rat; 690 mg/kg mouse
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>	
Acetaminophen	103-90-2      96 Hr LC50 Pimephales promelas: 814 mg/L [flow-through]
<b>Ecotoxicity - Water Flea - Acute Toxicity Data</b>	
Acetaminophen	103-90-2      48 Hr EC50 Daphnia magna: 6.1 - 14 mg/L
<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
<b>Partition coefficient</b>	Not available
<b>Chemical fate information</b>	Not available

## 13. Disposal Considerations

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

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## 14. Transport Information

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**Basic shipping requirements:**

**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 Air Act (CAA)** Not available

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

**State regulations** See below

#### 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

Titanium oxide 13463-67-7 Present

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

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

Titanium oxide 13463-67-7 Present (dust)

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

Cellulose 9004-34-6 sn 3227

Titanium oxide 13463-67-7 sn 1861

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

Cellulose 9004-34-6 Present

Titanium oxide 13463-67-7 Present

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

Cellulose 9004-34-6 Toxic

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® SINUS-MAX™ Severe Congestion Relief - 20/30 ct. 0390598v3.0

### Issue date

03-Oct-2012

### Effective date

01-Oct-2012

### 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.