

# MATERIAL SAFETY DATA SHEET

## 1. Product and Company Identification

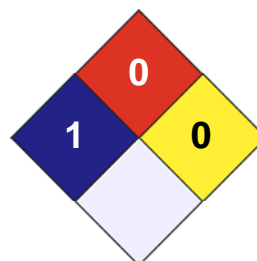
**Product name** MUCINEX® ALLERGY Indoor & Outdoor Allergy Relief – All Sizes  
**CAS #** Mixture  
 This MSDS is designed for workplace employees, emergency personnel and for other conditions and situations where there is a greater potential for large-scale or prolonged exposure, in accordance with 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** Antihistamine

**Distributed by** Reckitt Benckiser  
 Morris Corporate Center IV  
 399 Interpace Parkway  
 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	
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 have ever had an allergic reaction to this product or any of its ingredients.  
 Ask a doctor before use if you have: kidney disease. Your doctor should determine if you need a different dose.  
 When using this product do not use more than directed.  
 Do not take at the same time as aluminum or magnesium antacids.  
 Do not take with fruit juices (see Directions).  
 Stop use and ask a doctor if: an allergic reaction to this product occurs. Seek medical help right away.  
 If pregnant or breast feeding, ask a health professional before use.  
**KEEP OUT OF REACH OF CHILDREN.**  
 In case of overdose, get medical help or contact a Poison Control Center right away.  
 Do not use for children under 12 years of age.

### Potential short term health effects

**Routes of exposure** Eye, Skin contact, Inhalation, Ingestion.  
**Eyes** No risks anticipated in normal use.  
**Skin** No risks anticipated in normal use.  
**Inhalation** No risks anticipated in normal use.  
**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.

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**3. Composition/Information on Ingredients**

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Components	CAS #	Percent
Cellulose	9004-34-6	>1
Octadecanoic acid, magnesium salt	557-04-0	>1
Silica	7631-86-9	>1
Starch	9005-25-8	>1
Fexofenadine Hcl	138452-21-8	<1

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**4. First Aid Measures**

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**First aid procedures****Eye contact**

In case of contact with eyes, rinse immediately with plenty of water and seek medical advice. Remove any contact lenses and continue to rinse with water.

**Skin contact**

In the event of occupational skin contact, wash contaminated area thoroughly.

**Inhalation**

Move person to non-contaminated air. Call a physician if symptoms develop or persist.

**Ingestion**

In the event of occupational ingestion, seek medical advice. Induction of vomiting is not a recommended first-aid procedure. Rinse mouth out with water.

**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.

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**5. Fire Fighting Measures**

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**Flammable properties**

Not flammable by OSHA criteria.

**Extinguishing media****Suitable extinguishing media**

Water spray. Fog. Foam. Dry chemical.

**Unsuitable extinguishing media**

Not available

**Protection of firefighters****Specific hazards arising from the chemical**

Not available

**Protective equipment and precautions 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.

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**6. Accidental Release Measures**

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**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. Advise authorities if product has penetrated drains, sewers or water pipes.

**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

<b>Handling</b>	Safety sealed: do not use if carton is opened or if individual blister units are torn or opened. Use good industrial hygiene practices in handling this material. Avoid contact with skin and clothing. Avoid contact with eyes. Wash thoroughly after handling.
<b>Storage</b>	Store between 20°C and 25°C (68°F-77°F). Store in a closed container away from incompatible materials. Protect from direct sunlight. Protect from moisture and heat. Do not refrigerate. Keep out of reach of children.

## 8. Exposure Controls/Personal Protection

### Occupational exposure limits

#### US. ACGIH Threshold Limit Values

Components	Type	Value
Cellulose (CAS 9004-34-6)	TWA	10 mg/m3
Octadecanoic acid, magnesium salt (CAS 557-04-0)	TWA	10 mg/m3
Starch (CAS 9005-25-8)	TWA	10 mg/m3

#### US. OSHA Table Z-1 Limits for Air Contaminants (29 CFR 1910.1000)

Components	Type	Value	Form
Cellulose (CAS 9004-34-6)	PEL	5 mg/m3	Respirable fraction.
		15 mg/m3	Total dust.
Starch (CAS 9005-25-8)	PEL	5 mg/m3	Respirable fraction.
		15 mg/m3	Total dust.

#### US. OSHA Table Z-3 (29 CFR 1910.1000)

Components	Type	Value
Silica (CAS 7631-86-9)	TWA	0.8 mg/m3
		20 millions of particle

**Exposure limits** Chemicals listed in section 3 that are not listed here do not have established limit values for ACGIH or OSHA PEL.

**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.  
Avoid contact with eyes.

## 9. Physical and Chemical Properties

<b>Appearance</b>	Tablet
<b>Color</b>	Pink
<b>Form</b>	Solid.
<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, upper, % by volume</b>	Not available.
<b>Flammability limits in air, lower, % by volume</b>	Not available.
<b>Vapor pressure</b>	Not available.
<b>Vapor density</b>	Not available.
<b>Specific gravity</b>	Not available.
<b>Partition coefficient (n-octanol/water)</b>	Not available.
<b>Solubility (water)</b>	Not available.
<b>Relative density</b>	Not available.
<b>Viscosity</b>	Not available.
<b>VOC</b>	Not available
<b>Percent volatile</b>	Not available

## 10. Stability and Reactivity

<b>Reactivity</b>	This product may react with strong oxidizing agents.
<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>	Extreme heat and freezing temperatures. Do not mix with incompatible materials.
<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

### Toxicological data

Components	Species	Test Results
Cellulose (CAS 9004-34-6)		
<b>Acute</b>		
<i>Dermal</i>		
LD50	Rabbit	2000 mg/kg
<i>Oral</i>		
LD50	Rat	5000 mg/kg
<b>LC50</b>		
Not available.		
Fexofenadine Hcl (CAS 138452-21-8)		
<b>Acute</b>		
<i>Oral</i>		
LD50	Rat	> 5146 mg/kg
<b>LC50</b>		
Not available.		

Components	Species	Test Results
Octadecanoic acid, magnesium salt (CAS 557-04-0)		
<b>LC50</b>		
Not available.		
<b>LD50</b>		
Not available.		
Silica (CAS 7631-86-9)		
<b>Acute</b>		
<i>Dermal</i>		
LD50	Rabbit	2000 mg/kg
<i>Oral</i>		
LD50	Mouse	> 15000 mg/kg
	Rat	5000 mg/kg
<b>LC50</b>		
Not available.		
Starch (CAS 9005-25-8)		
<b>LC50</b>		
Not available.		
<b>LD50</b>		
Not available.		

#### Effects of acute exposure

<b>Eye contact</b>	No risks anticipated in normal use.
<b>Skin contact</b>	No risks anticipated in normal use.
<b>Inhalation</b>	No risks anticipated in normal use.
<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

Ecotoxicity	See below		
Ecotoxicological data			
Components		Species	Test Results
Silica (CAS 7631-86-9)			
Algae	IC50	Algae	440 mg/L, 72 Hours
Crustacea	EC50	Daphnia	7600 mg/L, 48 Hours
Persistence and degradability	Not available.		
Bioaccumulation / Accumulation	Not available		
Mobility in environmental media	Not available.		
Environmental effects	Not available.		
Aquatic toxicity	Not available.		

Chemical fate information Not available.

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### 13. Disposal Considerations

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<b>Disposal instructions</b>	Dispose in accordance with all applicable regulations. Do not reuse container. Rinse container and offer for recycling where facilities exist.
<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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**U.S. Department of Transportation (DOT)**

Not regulated as dangerous goods.

**Transportation of Dangerous Goods (TDG - Canada)**

Not regulated as dangerous goods.

**IATA/CAO (Air)**

Not regulated as dangerous goods.

**IMDG (Marine Transport)**

Not regulated as dangerous goods.

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### 15. Regulatory Information

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**Occupational Safety and Health Administration (OSHA)**

<b>29 CFR 1910.1200 hazardous chemical</b>	Yes
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<b>US federal regulations</b>	This product is a "Hazardous Chemical" as defined by the OSHA Hazard Communication Standard, 29 CFR 1910.1200.
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	All components of this product are either on the Toxic Substances Control Act list (TSCA) or exempt.
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**TSCA Section 12(b) Export Notification (40 CFR 707, Subpt. D)**

Not regulated.

**CERCLA Hazardous Substance List (40 CFR 302.4)**

Not listed.

**Clean Air Act (CAA) Section 112(r) Accidental Release Prevention (40 CFR 68.130)**

Not regulated.

**Clean Air Act (CAA) Section 112 Hazardous Air Pollutants (HAPs) List**

Not regulated.

**CERCLA (Superfund) reportable quantity**

None

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

<b>Hazard categories</b>	Immediate Hazard - Yes Delayed Hazard - No Fire Hazard - No Pressure Hazard - No Reactivity Hazard - No
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<b>State regulations</b>	This product is not subject to warning labeling under the California Proposition 65 regulation.
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**US - California Hazardous Substances (Director's): Listed substance**

Silica (CAS 7631-86-9)	Listed.
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**US - Minnesota Haz Subs: Listed substance**

Cellulose (CAS 9004-34-6)	Listed.
Octadecanoic acid, magnesium salt (CAS 557-04-0)	Listed.
Silica (CAS 7631-86-9)	Listed.
Starch (CAS 9005-25-8)	Listed.

**US - New Jersey RTK - Substances: Listed substance**

Cellulose (CAS 9004-34-6)	Listed.
Silica (CAS 7631-86-9)	Listed.

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**US - Texas Effects Screening Levels: Listed substance**

Cellulose (CAS 9004-34-6)	Listed.
Silica (CAS 7631-86-9)	Listed.
Starch (CAS 9005-25-8)	Listed.

**US. Massachusetts RTK - Substance List**

Cellulose (CAS 9004-34-6)	Listed.
Silica (CAS 7631-86-9)	Listed.
Starch (CAS 9005-25-8)	Listed.

**US. Pennsylvania RTK - Hazardous Substances**

Cellulose (CAS 9004-34-6)	Listed.
Silica (CAS 7631-86-9)	Listed.
Starch (CAS 9005-25-8)	Listed.

**US. Rhode Island RTK**

Not regulated.

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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<b>Disclaimer</b>	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.
<b>Further information</b>	MUCINEX® ALLERGY Indoor & Outdoor Allergy Relief – 5 ct. MUCINEX® ALLERGY Indoor & Outdoor Allergy Relief – 10 ct. MUCINEX® ALLERGY Indoor & Outdoor Allergy Relief – 30 ct. MUCINEX® ALLERGY Indoor & Outdoor Allergy Relief – 40 ct. MUCINEX® ALLERGY Indoor & Outdoor Allergy Relief – 60 ct. MUCINEX® ALLERGY Indoor & Outdoor Allergy Relief – 80 ct.
<b>Issue date</b>	20-March-2014
<b>Effective date</b>	15-March-2014
<b>Prepared by</b>	Reckitt Benckiser Regulatory Department Phone: 800-333-3899
<b>Other information</b>	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.