

1. Product and Company Identification

Product Name MUCINEX® FAST-MAX™ Adult Caplets - Cold & Sinus

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).

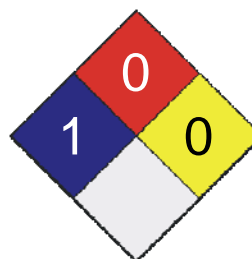
This MSDS is not applicable for consumer use of our products. For consumer use, all precautionary and first aid language is provided on the product label in accordance with the applicable government regulation.

Product Use Pain Reliever/Fever Reducer, 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.

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

Eye contact	In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.
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.

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.
Unsuitable extinguishing media	Not available

Protection of firefighters

Specific hazards arising from the chemical	Not available
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Protective equipment for firefighters	Firefighters should wear full protective clothing including self contained breathing apparatus.
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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.

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 at 15-30°C (59-86°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
Acetaminophen	ACGIH-TLV Not established OSHA-PEL Not established
Cellulose	ACGIH-TLV TWA: 10 mg/m ³ OSHA-PEL TWA: 15 mg/m ³
Guaifenesin	ACGIH-TLV Not established OSHA-PEL Not established
Phenylephrine hydrochloride	ACGIH-TLV Not established OSHA-PEL Not established
Titanium oxide	ACGIH-TLV TWA: 10 mg/m ³ OSHA-PEL TWA: 15 mg/m ³

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.

9. Physical and Chemical Properties

Appearance	Tablet.
Color	Orange
Form	Tablets
Odor	None
Odor threshold	Not available
Physical state	Solid
pH	Not available
Freezing point	Not available
Boiling point	Not available

Pour point	Not available
Evaporation rate	Not available
Flash point	Not available
Auto-ignition temperature	Not available
Flammability limits in air, lower, % by volume	Not applicable
Flammability limits in air, upper, % by volume	Not applicable
Vapor pressure	Not available
Vapor density	Not available
Specific gravity	Not available
Octanol/water coefficient	Not available

10. Stability and Reactivity

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

11. Toxicological Information

Component analysis - LC50

Ingredient(s)	LC50
Acetaminophen	Not available
Cellulose	Not available
Guaifenesin	Not available
Phenylephrine hydrochloride	Not available
Titanium oxide	Not available

Component analysis - Oral LD50

Ingredient(s)	LD50
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

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

Carcinogenicity	The finished product is not expected to have chronic health effects.
Mutagenicity	The finished product is not expected to have chronic health effects.
Reproductive effects	The finished product is not expected to have chronic health effects.
Teratogenicity	The finished product is not expected to have chronic health effects.
Name of Toxicologically Synergistic Products	Not available

12. Ecological Information

Ecotoxicity	See below
Ecotoxicity - Freshwater Fish - Acute Toxicity Data	
Acetaminophen	103-90-2 96 Hr LC50 Pimephales promelas: 814 mg/L [flow-through]
Ecotoxicity - Water Flea - Acute Toxicity Data	
Acetaminophen	103-90-2 48 Hr EC50 Daphnia magna: 6.1 - 14 mg/L
Persistence / degradability	Not available
Bioaccumulation / accumulation	Not available
Mobility in environmental media	Not available
Environmental effects	Not available
Aquatic toxicity	Not available
Partition coefficient	Not available
Chemical fate information	Not available

13. Disposal Considerations

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

14. Transport Information

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

15. Regulatory Information

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**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)

16. Other Information**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™ Adult Caplets - Cold & Sinus - 6/20 ct. 0390598v2.0
 MUCINEX® FAST-MAX™ Adult Caplets - Cold & Sinus - 6/30 ct. 0390598v2.0

Issue date

12-Sep-2012

Effective date

01-Sep-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.