

SAFETY DATA SHEET

MUCINEX® DM - (600 mg Guaifenesin, 30mg Dextromethorphan HBr)



HEALTH • HYGIENE • HOME

1. Product and company identification

Product name : MUCINEX® DM - (600 mg Guaifenesin, 30mg Dextromethorphan HBr)

Distributed by : Reckitt Benckiser LLC.
Morris Corporate Center IV
399 Interpace Parkway (P.O. Box 225)
Parsippany, New Jersey 07054-0225
+1 973 404 2600

Emergency telephone number (Medical) : 1-800-338-6167

Emergency telephone number (Transport) : 1-800-424-9300 (U.S. & Canada) CHEMTREC
Outside U.S. and Canada (North America), call Chemtrec:703-527-3887

Website: <http://www.rbnainfo.com>

Product use : Expectorant and Cough Suppressant

This SDS is designed for workplace employees, emergency personnel and for other conditions and situations where there is greater potential for large-scale or prolonged exposure, in accordance with the requirements of USDOL Occupational Safety and Health Administration.

This SDS 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 regulations, and shown in Section 15 of this SDS.

SDS # : D0216084 v4.0

Formulation #: : 0214009 v1.0; 3002009 v1.0; 3001304 v2.0; 8025382 v1.0; 3002429 v1.0; 3007579 v1.0; 8100008 v1.0; 8018132 v1.0; 3003168 v1.0; 3003178 v1.0; 3004696 v1.0; 3003404 v1.0; 3005750 v2.0 (600mg)
3005621 v1.0; 0214010 v1.0; 8025923 v1.0 (1200mg)
0392714 v2.0; 35201002 v3.0; 35201001 v2.0; 0214008 v2.0; 0296334 v3.0 (MR)

2. Hazards identification

Classification of the substance or mixture : ACUTE TOXICITY (oral) - Category 4

GHS label elements

Hazard pictograms :



Signal word : Warning

Hazard statements : Harmful if swallowed.

Precautionary statements

General : Keep out of reach of children.

Code # : D0216084_4_FF_600mg_US **SDS #** : D0216084 v4.0 **Date of issue** : 22/10/2014.

GHS

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2. Hazards identification

| | |
|-----------------------------------------|---------------------------------------------------------------------------------------------------------------------|
| Prevention | : Do not eat, drink or smoke when using this product. Wash hands thoroughly after handling. |
| Response | : IF SWALLOWED: Call a POISON CENTER or physician if you feel unwell. Rinse mouth. |
| Storage | : Not applicable. |
| Disposal | : Dispose of contents and container in accordance with all local, regional, national and international regulations. |
| Supplemental label elements | : None known. |
| Hazards not otherwise classified | : None known. |

3. Composition/information on ingredients

Substance/mixture : Mixture

| Ingredient name | % | CAS number |
|------------------------|----------|-------------------|
| guaifenesin | > 60 | 93-14-1 |
| dextromethorphan | 2.5 - 5 | 125-71-3 |

Any concentration shown as a range is to protect confidentiality or is due to batch variation.

There are no additional ingredients present which, within the current knowledge of the supplier and in the concentrations applicable, are classified as hazardous to health or the environment and hence require reporting in this section.

4. First aid measures

Description of necessary first aid measures

| | |
|---------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Eye contact | : In case of contact with eyes, rinse immediately with plenty of water. If irritation persists, get medical attention. |
| Inhalation | : In the event of any complaints or symptoms, avoid further exposure. Maintain an open airway. Get medical attention if adverse health effects persist or are severe. |
| Skin contact | : In the event of any complaints or symptoms, avoid further exposure. Rinse skin with water. Get medical attention if symptoms occur. |
| Ingestion | : Wash out mouth with water. Get medical attention if adverse health effects persist or are severe. Do not induce vomiting. If affected person is conscious, give plenty of water to drink. |

Most important symptoms/effects, acute and delayed

Potential acute health effects

| | |
|---------------------|--------------------------------------------------------------------------------------------------------------------|
| Eye contact | : No known significant effects or critical hazards. |
| Inhalation | : Exposure to decomposition products may cause a health hazard. Serious effects may be delayed following exposure. |
| Skin contact | : No known significant effects or critical hazards. |
| Ingestion | : Harmful if swallowed. |

Over-exposure signs/symptoms

| | |
|---------------------|---------------------|
| Eye contact | : No specific data. |
| Inhalation | : No specific data. |
| Skin contact | : No specific data. |
| Ingestion | : No specific data. |

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4. First aid measures

Indication of immediate medical attention and special treatment needed, if necessary

- Notes to physician** : Treat symptomatically.
- Specific treatments** : No specific treatment.
- Protection of first-aiders** : No action shall be taken involving any personal risk or without suitable training. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation.

See toxicological information (Section 11)

5. Fire-fighting measures

Extinguishing media

- Suitable extinguishing media** : Use an extinguishing agent suitable for the surrounding fire.
- Unsuitable extinguishing media** : None known.

- Specific hazards arising from the chemical** : No specific fire or explosion hazard.

- Hazardous thermal decomposition products** : Decomposition products may include the following materials:
carbon dioxide
carbon monoxide
nitrogen oxides

- Special protective actions for fire-fighters** : Promptly isolate the scene by removing all persons from the vicinity of the incident if there is a fire. No action shall be taken involving any personal risk or without suitable training.

- Special protective equipment for fire-fighters** : Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.

6. Accidental release measures

Personal precautions, protective equipment and emergency procedures

- For non-emergency personnel** : No action shall be taken involving any personal risk or without suitable training. Evacuate surrounding areas. Keep unnecessary and unprotected personnel from entering. Do not touch or walk through spilled material. Provide adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Put on appropriate personal protective equipment.
- For emergency responders** : If specialised clothing is required to deal with the spillage, take note of any information in Section 8 on suitable and unsuitable materials. See also the information in "For non-emergency personnel".

- Environmental precautions** : Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air).

Methods and materials for containment and cleaning up

- Small spill** : Stop leak if without risk. Move containers from spill area. Vacuum or sweep up material and place in a designated, labeled waste container.

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6. Accidental release measures

- Large spill** :
- Stop leak if without risk. Move containers from spill area. Prevent entry into sewers, water courses, basements or confined areas. Vacuum or sweep up material and place in a designated, labeled waste container. Dispose of via a licensed waste disposal contractor.
 - See Section 1 for emergency contact information.
 - See Section 8 for information on appropriate personal protective equipment.
 - See section 13 for waste disposal information.

7. Handling and storage

Precautions for safe handling

- Protective measures** :
- Put on appropriate personal protective equipment (see Section 8). Avoid contact with eyes, skin and clothing. Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed. Workers should wash hands and face before eating, drinking and smoking. Keep in the original container or an approved alternative made from a compatible material, kept tightly closed when not in use. Remove contaminated clothing and protective equipment before entering eating areas. See also Section 8 for additional information on hygiene measures.

- Conditions for safe storage, including any incompatibilities** :
- Store between the following temperatures: 15 to 30°C (59 to 86°F). Store in accordance with local regulations. Store in original container protected from direct sunlight in a dry, cool and well-ventilated area, away from incompatible materials (see Section 10) and food and drink. Keep container tightly closed and sealed until ready for use. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Do not store in unlabeled containers. Use appropriate containment to avoid environmental contamination.

8. Exposure controls/personal protection

Control

Occupational exposure limits

Not applicable.

- Appropriate engineering controls** :
- Good general ventilation should be sufficient to control worker exposure to airborne contaminants.
- Environmental exposure controls** :
- Emissions from ventilation or work process equipment should be checked to ensure they comply with the requirements of environmental protection legislation. In some cases, fume scrubbers, filters or engineering modifications to the process equipment will be necessary to reduce emissions to acceptable levels.

Individual protection measures

- Hygiene measures** :
- Wash hands, forearms and face thoroughly after handling chemical products, before eating, smoking and using the lavatory and at the end of the working period. Appropriate techniques should be used to remove potentially contaminated clothing. Wash contaminated clothing before reusing. Ensure that eyewash stations and safety showers are close to the workstation location.
- Eye/face protection** :
- If operating conditions cause high dust concentrations to be produced, use dust goggles.
- Skin protection**
- Hand protection** :
- Chemical-resistant, impervious gloves complying with an approved standard should be worn at all times when handling chemical products if a risk assessment indicates this is necessary.
- Body protection** :
- Personal protective equipment for the body should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product.

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8. Exposure controls/personal protection

- Other skin protection** : Appropriate footwear and any additional skin protection measures should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product.
- Respiratory protection** : None required. However, use of adequate ventilation is good industrial practice.

9. Physical and chemical properties

Appearance

- Physical state** : Solid.
- Color** : Yellow and White.
- Odor** : None.
- Odor threshold** : Not available.
- pH** : Not available.
- Melting point** : Not available.
- Boiling point** : Not available.
- Flash point** : Not available.
- Evaporation rate** : Not available.
- Flammability (solid, gas)** : Not available.
- Lower and upper explosive (flammable) limits** : Not available.
- Vapor pressure** : Not available.
- Vapor density** : Not available.
- Relative density** : Not available.
- Solubility** : Not available.
- Partition coefficient: n-octanol/water** : Not available.
- Auto-ignition temperature** : Not available.
- Decomposition temperature** : Not available.
- Viscosity** : Not available.

10. Stability and reactivity

- Reactivity** : No specific test data related to reactivity available for this product or its ingredients.
- Chemical stability** : The product is stable.
- Possibility of hazardous reactions** : Under normal conditions of storage and use, hazardous reactions will not occur. Polymerization. : There are no data available on the mixture itself.
- Conditions to avoid** : No specific data.
- Incompatible materials** : Do not use with other products.
- Hazardous decomposition products** : Hazardous decomposition products : carbon oxides , Various Organic chemicals.

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11. Toxicological information

Information on toxicological effects

Acute toxicity

| Product/ingredient name | Result | Species | Dose | Exposure |
|-------------------------|-----------|---------|------------|----------|
| guaifenesin | LD50 Oral | Rat | 1510 mg/kg | - |
| dextromethorphan | LD50 Oral | Rat | 116 mg/kg | - |

Irritation/Corrosion

Not available.

Sensitization

Not available.

Mutagenicity

Not available.

Carcinogenicity

Not available.

Reproductive toxicity

Not available.

Teratogenicity

Not available.

Specific target organ toxicity (single exposure)

Not available.

Specific target organ toxicity (repeated exposure)

Not available.

Aspiration hazard

Not available.

Information on the likely routes of exposure : Not available.

Potential acute health effects

Eye contact : No known significant effects or critical hazards.
Inhalation : Exposure to decomposition products may cause a health hazard. Serious effects may be delayed following exposure.
Skin contact : No known significant effects or critical hazards.
Ingestion : Harmful if swallowed.

Symptoms related to the physical, chemical and toxicological characteristics

Eye contact : No specific data.
Inhalation : No specific data.
Skin contact : No specific data.
Ingestion : No specific data.

Delayed and immediate effects and also chronic effects from short and long term exposure

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11. Toxicological information

Short term exposure

Potential immediate effects : Not available.

Potential delayed effects : Not available.

Long term exposure

Potential immediate effects : Not available.

Potential delayed effects : Not available.

Potential chronic health effects

Not available.

General : No known significant effects or critical hazards.

Carcinogenicity : No known significant effects or critical hazards.

Mutagenicity : No known significant effects or critical hazards.

Teratogenicity : No known significant effects or critical hazards.

Developmental effects : No known significant effects or critical hazards.

Fertility effects : No known significant effects or critical hazards.

Numerical measures of toxicity

Acute toxicity estimates

| Route | ATE value |
|-------|--------------|
| Oral | 1166.2 mg/kg |

12. Ecological information

Toxicity

Not available.

Persistence and degradability

Not available.

Bioaccumulative potential

| Product/ingredient name | LogP _{ow} | BCF | Potential |
|-------------------------|--------------------|-----|-----------|
| guaifenesin | 1.39 | - | low |

Mobility in soil

Soil/water partition coefficient (K_{oc}) : Not available.

Other adverse effects : No known significant effects or critical hazards.

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13. Disposal considerations

Disposal methods : Waste packaging should be recycled. Waste must be disposed of in accordance with federal, state and local environmental control regulations.

14. Transport information

Not a DOT controlled material (United States). Not a TDG-controlled material. This preparation is not classified as dangerous according to international transport regulations (ADR/RID, IMDG or ICAO/IATA).

15. Regulatory information

U.S. Federal regulations : TSCA 8(a) CDR Exempt/Partial exemption: Not determined
United States inventory (TSCA 8b): Not determined.

Clean Air Act Section 112 (b) Hazardous Air Pollutants (HAPs) : Not listed

Clean Air Act Section 602 Class I Substances : Not listed

Clean Air Act Section 602 Class II Substances : Not listed

DEA List I Chemicals (Precursor Chemicals) : Not listed

DEA List II Chemicals (Essential Chemicals) : Not listed

SARA 302/304

Composition/information on ingredients

No products were found.

SARA 304 RQ : Not applicable.

SARA 311/312

Classification : Immediate (acute) health hazard

Composition/information on ingredients

| Name | % | Fire hazard | Sudden release of pressure | Reactive | Immediate (acute) health hazard | Delayed (chronic) health hazard |
|---------------------------------|-----------------|-------------|----------------------------|------------|---------------------------------|---------------------------------|
| guaifenesin dextromethorphan | > 60 2.5 - 5 | No. No. | No. No. | No. No. | Yes. Yes. | No. No. |

State regulations

Massachusetts : The following components are listed: CELLULOSE

New York : None of the components are listed.

New Jersey : The following components are listed: CELLULOSE

Pennsylvania : The following components are listed: CELLULOSE

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15. Regulatory information

Label elements

Precautionary measures : Read label before use.
 Avoid contact with eyes.
 Keep out of reach of children.

16. Other information

**Hazardous Material
 Information System (U.S.A.)** :

| | |
|---------------------|---|
| Health | 1 |
| Flammability | 0 |
| Physical hazards | 0 |
| Personal protection | B |

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The customer is responsible for determining the PPE code for this material.

**National Fire Protection
 Association (U.S.A.)** :



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Version : 4

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16. Other information

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Revision comments : Revision as per US GHS

▣ Indicates information that has changed from previously issued version.

Notice to reader

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.



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