

Material Safety Data Sheet ANSI Format

Robitussin - DAC

Preparation Date 19-Sep-2007 Revision Date 19-Sep-2007 Revision Number 2

1. PRODUCT AND COMPANY IDENTIFICATION

Product NameRobitussin - DACCommon NameNot applicableChemical NameNot applicableSynonymsRobitussin- DACProduct UsePharmaceutical product

Classification Analgesic, Antihistamine, Antitussive, Decongestant, Expectorant, Central Nervous System

Agent

Supplier Wyeth

P.O. Box 8299

Philadelphia, PA 19101 USA. Telephone: 1-610-688-4400

Emergency Telephone Number Chemtrec USA, Puerto Rico, Canada 1-800-424-9300

Chemtrec International 1-703-527-3887

2. HAZARDS IDENTIFICATION

Emergency Overview

This contains an active pharmaceutical ingredient that can affect body functions; handle with caution.

Appearance Pharmaceutical Liquid Physical State Liquid Odor Not available

Potential Physical Hazards Slight fire hazard.

Potential Health Effects

EyesMay cause irritation.SkinNot availableInhalationNot available

Ingestion The most common effects may include allergy, drowsiness, nervousness, excitability,

dizziness, sleeplessness, and constipation. May impair ability when driving a motor vehicle or

operating machinery.

May cause harm to the unborn child. May cause harm to breastfed babies.

Please see Patient Package Insert for further information.

Therapeutic Target Organ(s) Nervous system, respiratory system.

Not listed by OSHA, NTP or IARC.

Potential Environmental Effects There is no known ecological information for this product.

3. COMPOSITION/INFORMATION ON INGREDIENTS

Common Name	CAS-No	Composition
Pseudoephedrine HCl	345-78-8	<1%
Guaifenesin	93-14-1	>1%
Codeine Phosphate	52-28-8	<1%
Inactive Ingredients	Not applicable	Remainder
Ethyl Alcohol	64-17-5	>1%

4. FIRST AID MEASURES

Eye Contact In the case of contact with eyes, rinse immediately with plenty of water for 15 minutes and seek

medical advice.

Skin ContactTake off contaminated clothing and shoes immediately. Wash off immediately with soap and

plenty of water. If skin irritation persists, call a physician.

Inhalation Move to fresh air. Artificial respiration and/or oxygen may be necessary. If symptoms persist,

call a physician.

Ingestion If symptoms persist, call a physician. Do not induce vomiting without medical advice. Never

give anything by mouth to an unconscious person.

5. FIRE-FIGHTING MEASURES

Flammable Properties Slight fire hazard.

Extinguishing Media

Suitable Extinguishing Media

Unsuitable Extinguishing

Media

Use alcohol-resistant foam, dry chemical or carbon dioxide...

Do NOT use water jet.

Fire Fighting Evacuate area and fight fire from a safe distance. Cool closed containers exposed to fire with

water spray. In the event of fire and/or explosion do not breathe fumes.

Hazardous Combustion Products Carbon oxides, nitrogen oxides.

Protective Equipment and Precautions for Firefighters

In the event of fire, wear self-contained breathing apparatus and special protective equipment

for fire fighters.

6. ACCIDENTAL RELEASE MEASURES

Personal Precautions Refer to protective measures listed in Sections 7 and 8.

Environmental Precautions Prevent product from entering drains. Local authorities should be advised if a significant spill

cannot be contained.

Methods for Containment Not available

Methods for Cleaning up Take up mechanically and collect in suitable container for disposal. Clean contaminated

surface thoroughly. Avoid formation of dust and aerosols.

7. HANDLING AND STORAGE

For personal protection see Section 8. Handle in accordance with good industrial hygiene and Handling

safety practice. Skin should be washed after contact. Avoid formation of dust and aerosols.

Storage No special safety precautions required. Keep container tightly closed.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Common Name Exposure Guideline

3000 mca/m3 Guaifenesin Codeine Phosphate 200 mcg/m³ Pseudoephedrine HCI 200 mcg/m³ Ethyl Alcohol 1000 ppm

Engineering Controls Apply technical measures to comply with the occupational exposure guideline. Local exhaust

ventilation is needed for limited open handling or where aerosols may be generated.

Personal Protective Equipment

Eye/face Protection Provide eye protection based on risk assessment. Skin Protection Wear nitrile or latex gloves. Wear protective garment. **Respiratory Protection** Base respirator selection on a risk assessment.

When using, do not eat, drink or smoke. General industrial hygiene practice. Wash hands **General Hygiene** Considerations

before breaks and at the end of workday.

Other Limit access to only personnel trained in the safe handling of this material Consult a health and

safety professional for specific PPE, respirator, and risk assessment guidance

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance Pharmaceutical Liquid **Physical State** Liquid

Color Red Odor Not available **Odor Threshold** Not available

Ha Not available

Specific Gravity Not applicable **Water Solubility** Not available Solubility Not applicable **Evaporation Rate** Not available

Partition Coefficient Not available Vapor Pressure Not available (n-octanol/water)

Boiling Point Not available Not available Autoignition Temperature Flash Point >110°C Method None

Melting Point Not applicable **Flammability Limits**

Upper Not applicable Lower Not applicable in Air

Lower Not applicable **Explosion Limits Upper** Not applicable

10. STABILITY AND REACTIVITY

Chemical Stability Stable at room temperature.

Conditions to Avoid No data available

Materials to Avoid No materials to be especially mentioned.

Hazardous Decomposition Products None under normal use.

Possibility of Hazardous Reactions None under normal use.

11. TOXICOLOGICAL INFORMATION

The following effects are based on the Active Pharmaceutical Ingredient.

Acute Toxicity

Guaifenesin

LD50 Oral 1510 mg/kg rats
Acute Dermal Irritation Not applicable
Primary Eye Irritation Not applicable
Sensitization Not applicable

Codeine Phosphate

LD50 Oral 427 mg/kg rats, 250 mg/kg mice

Acute Dermal Irritation No data available Primary Eye Irritation No data available Sensitization No data available

Pseudoephedrine HCI

LD50 Oral371 mg/kg miceAcute Dermal IrritationNo data availablePrimary Eye IrritationNo data availableSensitizationNo data available

Ethyl Alcohol

LD50 Oral 7060 mg/kg rats, 8300 mg/kg mice
Acute Dermal Irritation Moderate irritation effects in rabbits.

Primary Eye Irritation Severe irritation effects in rabbits.

Sensitization Not applicable

Multiple Dose Toxicity

Guaifenesin

No Toxicologic Effect No data available Dose/Species/Study Length:

Pseudoephedrine HCI

No Toxicologic Effect No data available

Dose/Species/Study Length:

Ethyl Alcohol

No Toxicologic Effect Repeated contact can dry the skin with cracking, peeling, and itching. Repeated high exposure

Dose/Species/Study Length: may affect the liver and nervous system.

Maximum Tolerated Dose (MTD), Oral

Guaifenesin

CarcinogenicityNo studies to assess the carcinogenic potential have been performed.Genetic ToxicityNo studies to assess the mutagenic potential have been performed.Reproductive ToxicityAnimal studies to evaluate effects on fertility have not been conducted.Developmental ToxicityStudies to evaluate the teratogenic potential have not been performed.

Codeine Phosphate

CarcinogenicityLong-term studies in rats and mice revealed no evidence of carcinogenicity. **Genetic Toxicity**No evidence of mutagenicity was observed in a battery of *in vitro* and *in vivo* assays.

Reproductive Toxicity At a maternally toxic dose of 120 mg/kg/day, embryo resorptions at the time of implantation

were reported. In pregnant mice, a single dose of 100 mg/kg resulted in delayed ossification of

offspring.

Developmental Toxicity No teratogenic effects were observed in rats or rabbits.

Pseudoephedrine HCI

CarcinogenicityNo data availableGenetic ToxicityNo data availableReproductive ToxicityNo data availableDevelopmental ToxicityNo data available

Ethyl Alcohol

Carcinogenicity No data available

Genetic Toxicity May cause genetic changes. **Reproductive Toxicity** See Developmental Toxicity.

Developmental Toxicity Repeated exposure may cause spontaneous abortions, as well as birth defects and other

developmental problems (fetal alcohol syndrome).

Guaifenesin

Target Organ(s) of Toxicity No data available

Codeine Phosphate

Target Organ(s) of Toxicity No data available

Pseudoephedrine HCI

Target Organ(s) of Toxicity No data available

Ethyl Alcohol

Target Organ(s) of Toxicity No data available

12. ECOLOGICAL INFORMATION

The following effects are based on the Active Pharmaceutical Ingredient.

Chemical Fate Information Not available

Pseudoephedrine HCI

Mobility Not available

Biodegradability Moderately biodegradable.

Stability in Water Not available Bioaccumulation Not available

Ethanol

Mobility May adsorb on sludge or particles in natural waters.

BiodegradabilityNot availableStability in WaterHydrolyses in water.BioaccumulationBioaccumulative potential.

Ecotoxicity Not available

Pseudoephedrine HCI

MicroorganismsNot availableAlgaeNot availableDaphniaNot available

Fish LC50/96h/golden orfe = 460-1000 mg/l

Ethanol

Microorganisms EC50 > Aqueous solubility limit

Algae EC50/72h/algae = 0.063 mg/l, NOEC = 0.015 mg/l

Daphnia EC50/48h/daphnia > Aqueous solubility limit, NOEC = Aqueous solubility limit

Fish LC50/96h/fathead minnow > Aqueous solubility limit, NOEC > Aqueous solubility limit

13. DISPOSAL CONSIDERATIONS

Waste Disposal Method Dispose of in accordance with local and national regulations.

14. TRANSPORT INFORMATION

Transport Information This material is not classified as hazardous for transport.

U.S. Department of Transport (DOT)

Canadian Transport of Dangerous Goods (TDG)

International Civil Aviation Organization (ICAO)

Not regulated Not regulated International Maritime Dangerous Goods (IMDG)/International Not regulated Not regulated

Maritime Organization (IMO)

Transport of Dangerous Goods by Rail (RID)

Transport of Dangerous Goods by Road (ADR)

Not regulated

Transportation of Dangerous Goods via Inland Waterways

Not regulated

(ADN)

15. REGULATORY INFORMATION

USA

Federal Regulations

OSHA Regulatory Status

This material is not considered hazardous by the OSHA Hazard Communication Standard (29 CFR 1910.1200)

SARA 313

Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product does not contain any chemicals which are subject to the reporting requirements of the Act and Title 40n of the Code of Federal Regulations, Part 372.

SARA 311/312 Hazardous Categorization

Acute Health Hazard Yes
Chronic Health Hazard No
Fire Hazard No
Sudden Release of Pressure Hazard No
Reactive Hazard No

This product does not contain any HAPs..

State Regulations

California Proposition 65

This product contains the following Proposition 65 chemicals:

Common Name	CAS-No	Type
Codeine Phosphate	52-28-8	Developmental

Canada

Not classified

WHMIS Hazard Class

Non-controlled

European Union

In accordance with EC directives or respective national laws, the product does not need to be classified nor labeled.

16. OTHER INFORMATION

Prepared ByWyeth Department of Environment, Health & SafetyFormatThis MSDS was prepared in accordance with ANSI Z400.1-2004.List of ReferencesToxNet, Toxicology Data Network, US National Library of MedicineRevision SummaryUpdated for Canadian Products, Changes to Section 2 and 11

Disclaimer:

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End of MSDS