



SAFETY DATA SHEET

1. IDENTIFICATION

Product identifier: DAYTIME COLD & FLU NON-DROWSY LIQUID

Synonyms: 656

Manufacturer Name: Perrigo Company
Address: 515 Eastern Avenue
Allegan, MI 49010 USA

Telephone number: 269-673-8451

Emergency phone number: 888-464-2986

Recommended use: Human drug – Nasal Decongestant, Cough Suppressant, Pain Reliever, Fever Reducer

Restrictions on use: Use only as directed.

2. HAZARD(S) IDENTIFICATION

Classification:

Physical	Health
Not hazardous	Not hazardous

Label Elements

Not hazardous in accordance with the GHS and OSHA Hazcom 2012.

3. COMPOSITION / INFORMATION ON INGREDIENTS

Chemical name	CAS No.	Concentration
Acetaminophen	103-90-2	1.8%
Dextromethorphan Hydrobromide	125-69-9	<0.1%
Phenylephrine Hydrochloride	61-76-7	<0.1%
Sucrose	57-50-1	Proprietary
Water, purified	7732-18-5	Proprietary
Propylene Glycol	57-55-6	Proprietary
Glycerin	56-81-5	Proprietary
Polyethylene Glycol	25322-68-3	Proprietary
Artificial Fruit Flavor	Mixture	Proprietary
Monobasic sodium phosphate	7558-80-7	Proprietary
Sodium saccharin	6155-57-3	Proprietary
FD&C Yellow #6	2783-94-0	Proprietary
Disodium EDTA	6381-92-6	Proprietary
Butylated Hydroxyanisole	121-00-6	<0.1%
Menthol	2216-51-5	Proprietary
Xanthan Gum	11138-66-2	Proprietary

The exact percentage (concentration) of composition has been withheld as a trade secret.

4. FIRST-AID MEASURES

Inhalation: Remove victim to fresh air. If irritation occurs or symptoms develop, get medical attention.

Skin contact: First aid is not generally required for skin contact. Wash skin with soap and water. If irritation develops, get medical attention. Launder clothing before reuse.

Eye contact: Immediately flush eyes with water while lifting the upper and lower lids. Get medical attention if irritation persists.

Ingestion: In the case of unintended ingestion, rinse mouth with water. Do not induce vomiting unless directed to do so by medical personnel. Never give anything by mouth to a person who is unconscious or convulsing. Get medical attention if any adverse effects occur or for overdosage.

Most important symptoms/effects, acute and delayed: May cause mild eye irritation. Swallowing amounts above the recommended dosage may cause gastrointestinal effects, nervousness, dizziness and sleeplessness. Large ingestions or prolonged use may damage the liver and kidneys.

Indication of immediate medical attention and special treatment, if necessary: Immediate medical attention is required for large unintended ingestion.

5. FIRE-FIGHTING MEASURES

Extinguishing media: Use water spray, carbon dioxide, dry chemical or foam to extinguish a fire.

Specific hazards arising from the chemical: This product is not a fire hazard but may burn under fire conditions after the water has evaporated

Special protective equipment and precautions for fire-fighters: Firefighters should wear positive pressure self-contained breathing apparatus and full protective clothing for all fires involving chemicals. Cool fire exposed containers with water.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment, and emergency procedures: Wear appropriate protective clothing and equipment as described in Section 8. Caution – spilled liquid may present a slip hazard.

Environmental Precautions: Prevent spill from entering sewers and water courses. Report releases as required by local and national authorities.

Methods and materials for containment and cleaning up: Collect liquid with an inert absorbent and place in appropriate container for disposal. Clean area thoroughly.

7. HANDLING AND STORAGE

Precautions for safe handling: Avoid contact with eyes, skin and clothing. Wash thoroughly with soap and water after handling.

Conditions for safe storage, including any incompatibilities: Store as indicated on product packaging in a secure location.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION**Exposure guidelines:**

Acetaminophen	4000 ug/m ³ TWA (Perrigo OEB1)
Dextromethorphan Hydrobromide	100 ug/m ³ TWA (Perrigo OEB2)
Phenylephrine Hydrochloride	30 ug/m ³ TWA (Perrigo OEB3)
Sucrose	10 mg/m ³ TWA ACGIH TLV 15 mg/m ³ (total dust) TWA OSHA PEL 5 mg/m ³ (respirable dust) TWA OSHA PEL
Water, purified	None Established
Propylene Glycol	10 mg/m ³ TWA AIHA WEEL
Glycerin	5 mg/m ³ (respirable particulate) TWA OSHA PEL 15 mg/m ³ (total particulate) TWA OSHA PEL
Polyethylene Glycol	10 mg/m ³ TWA AIHA WEEL
Artificial Fruit Flavor	None Established
Monobasic sodium phosphate	None Established
Sodium saccharin	None Established
FD&C Yellow #6	None Established
Disodium EDTA	None Established
Butylated Hydroxyanisole	None Established
Menthol	None Established
Xanthan Gum (as PNOC)	5 mg/m ³ (respirable particulate) TWA OSHA PEL 15 mg/m ³ (total particulate) TWA OSHA PEL

Appropriate engineering controls: Use with adequate general or local exhaust ventilation to keep exposures below occupational exposure limits.

Individual protection measures:

Respiratory protection: None needed under normal use conditions. If exposure limits are exceeded, a NIOSH approved particulate respirator is recommended. Selection of respiratory protection depends on the contaminant type, form and concentration. Select in accordance with OSHA 1910.134 and good Industrial Hygiene practice.

Skin protection: None required for normal use. Impervious gloves recommended for bulk handling.

Eye protection: None required for normal use. Chemical safety goggles recommended for bulk handling.

Other: None known.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance (physical state, color, etc.): Orange Liquid

Odor: Menthol/fruity

Odor threshold: Not available	pH: 4.97
Melting point/freezing point: Not available	Boiling Point: Not available
Flash point: None	Evaporation rate: Not available
Flammability (solid, gas): Not applicable	VOC: Not available
Flammable limits: LEL: Not applicable	UEL: Not applicable
Vapor pressure: Not available	Vapor density: Not available
Relative density: Not available	Solubility(ies): Completely soluble in water
Partition coefficient: n-octanol/water: Not available	Auto-ignition temperature: Not available
Decomposition temperature: Not available	Viscosity: Not available

10. STABILITY AND REACTIVITY

Reactivity: Not reactive under normal conditions of use.

Chemical stability: Stable.

Possibility of hazardous reactions: None known.

Conditions to avoid: None known.

Incompatible materials: Avoid oxidizing agents.

Hazardous decomposition products: Thermal decomposition may yield carbon oxides.

11. TOXICOLOGICAL INFORMATION**Acute effects of exposure:**

Inhalation: Inhalation of mists may cause irritation of the mucous membranes and upper respiratory tract.

Ingestion: Swallowing amounts above the recommended dosage may cause gastrointestinal effects, nervousness, dizziness and sleeplessness.

Skin contact: Contact may cause slight irritation.

Eye contact: Contact may cause slight irritation with redness and tearing.

Chronic Effects: Large ingestions or prolonged use may damage the liver and kidney.

Sensitization: Components are not known to be sensitizers. Allergic reactions are possible in sensitive individuals.

Germ Cell Mutagenicity: None of the components have been shown to cause germ cell mutagenicity.

Acetaminophen was not mutagenic in in-vitro bacterial reverse mutation assays and the drosophila SLRL test but induced sister chromatid exchange and chromosomal aberration in in-vitro and in-vivo tests with human cells. It was negative in an in-vivo mouse micronucleus assay.

Reproductive Toxicity: Acetaminophen did not cause effects on reproductive performance or development in studies with rats but cause some developmental toxicity in mice. The significance of this finding to humans is not known.

Carcinogenicity: None of the components are listed as carcinogens or suspected carcinogens by IARC, NTP, ACGIH or OSHA. Acetaminophen was tested for carcinogenicity in rats and mice with no evidence of carcinogenic effect.

Acute Toxicity Values: Acute Oral Toxicity Estimate (ATE) calculated: 52,632 mg/kg

Acetaminophen: Oral rat LD50 1944 mg/kg

Dextromethorphan Hydrobromide: Oral rat LD50 350 mg/kg

Phenylephrine Hydrochloride: Oral rat LD50 350 mg/kg

12. ECOLOGICAL INFORMATION

Ecotoxicity values: Acetaminophen: EC50 daphnia magna 6.1-14 mg/L/48 hr.; LC50 fathead minnow 814 mg/L/96 hr.

Persistence and degradability: No data is available

Bioaccumulative potential: No data is available

Mobility in soil: No data is available.

Other adverse effects: None known.

13. DISPOSAL CONSIDERATIONS

Dispose in accordance with all local, state and federal regulations. No specific disposal method is recommended.

14. TRANSPORT INFORMATION

	UN Number	Proper shipping name	Hazard Class	Packing Group	Environmental Hazard
DOT		Not Regulated			
TDG		Not Regulated			
IMDG		Not Regulated			
IATA		Not Regulated			

Transport in bulk (according to Annex II of MARPOL 73/78 and the IBC Code): Not applicable – product is transported only in packaged form.

Special precautions: None known.

15. REGULATORY INFORMATION

Safety, health, and environmental regulations specific for the product in question.

CERCLA: This product is not subject to CERCLA release reporting. Many states have more stringent release reporting requirements. Report spills as required under federal, state and local regulations.

SARA Hazard Category (311/312): Not Hazardous

EPA SARA 313: This product contains the following chemicals regulated under SARA Title III, section 313:
None

EPA TSCA Inventory: This product is a drug and not subject to TSCA.

CANADA:

Canadian CEPA: This product is a drug and not subject to CEPA regulations.

16. OTHER INFORMATION

NFPA Rating: Health = 1 Flammability = 0 Instability = 0
HMIS Rating: Health = 1 Flammability = 0 Physical Hazard = 0

SDS Revision History: New SDS

Date of preparation: July 25, 2016

Disclaimer: This SDS has been prepared for occupational exposure. Consumers: Refer to the package insert or product label for appropriate consumer-specific information about this product when used according to manufacturer's directions. Although reasonable care has been taken in the preparation of this document, we extend no warranties and make no representations as to the accuracy of the information contained therein, and assume no responsibility regarding the suitability of this information for the user's intended purposes or for the consequence of its use. Each individual should make a determination as to the suitability of the information for their particular purpose(s).