

# Material Safety Data Sheet

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Revision Number 3

## 1. PRODUCT AND COMPANY IDENTIFICATION

**Product Name** Vapor Inhaler

**Recommended Use** Medicinal Liquids (cough medicine, eye drops, ear drops, nasal spray and inhalers).

**Supplier Address**  
Aphena Pharma Solutions  
29 classic street  
P.O.Box 736  
Sherburne  
New York  
13460  
US  
Phone:607-674-2837  
Fax:607-674-2839  
Contact:Randy Trombley  
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Contact Phone 607-674-2837

**Distributor**

## 2. HAZARDS IDENTIFICATION

### CAUTION!

#### Emergency Overview

This mixture is not considered a hazard when used in a manner that is consistent with the labeled directions

Eye: contact with the product may produce mild irritation

Skin: low potential for irritation

Inhalation: low potential for irritation

Ingestion: Possible irritation with nausea, vomiting and diarrhea if large quantities are taken

**Appearance** Clear to yellow

**Physical State** Inhaler, Aerosol.

**Odor** Menthol

### Potential Health Effects

#### **Principle Routes of Exposure**

Inhalation. Eye contact. Skin contact.

#### **Acute Toxicity**

##### **Eyes**

May cause irritation.

##### **Skin**

May cause irritation.

##### **Inhalation**

May cause central nervous system depression with nausea, headache, dizziness, vomiting, and incoordination.

##### **Ingestion**

Harmful if swallowed. May cause central nervous system depression.

#### **Chronic Effects**

No known effect based on information supplied.

#### **Aggravated Medical Conditions**

Pre-existing eye disorders. Skin disorders. Respiratory disorders. Central nervous system.

#### **Interactions with Other Chemicals**

Use of alcoholic beverages may enhance toxic effects.

#### **Environmental Hazard**

See Section 12 for additional Ecological Information.

### 3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Name	CAS-No	Weight %
Supplier Trade Secret	Proprietary	40-60
Camphor	76-22-2	25-40
Trade Secret	Proprietary	15-40
Methyl Salicylate	119-36-8	5-15
Supplier Trade Secret	Proprietary	1-4
Supplier Trade Secret	Proprietary	0.05-1

### 4. FIRST AID MEASURES

<b>Eye Contact</b>	Immediately flush with plenty of water. After initial flushing, remove any contact lenses and continue flushing for at least 15 minutes. If symptoms persist, call a physician.
<b>Skin Contact</b>	Wash off immediately with soap and plenty of water removing all contaminated clothes and shoes. If skin irritation persists, call a physician.
<b>Inhalation</b>	Not applicable under normal conditions of use.
<b>Ingestion</b>	Rinse mouth. Do NOT induce vomiting. Drink plenty of water. Never give anything by mouth to an unconscious person. Call a physician immediately.
<b>Notes to Physician</b>	Treat symptomatically.

### 5. FIRE-FIGHTING MEASURES

<b>Flammable Properties</b>	Not flammable.
<b>Flash Point</b>	Not determined.
<b>Suitable Extinguishing Media</b>	Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.
<b>Uniform Fire Code</b>	<ul style="list-style-type: none"> <li>• Irritant: Liquid</li> </ul>
<b>Hazardous Combustion Products</b>	Carbon oxides.
<b>Explosion Data</b>	
<b>Sensitivity to Mechanical Impact</b>	No.
<b>Sensitivity to Static Discharge</b>	No.

#### Protective Equipment and Precautions for Firefighters

As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.

**NFPA**                      **Health Hazard 2**                      **Flammability 0**                      **Stability 0**                      **Physical and Chemical Hazards -**

## 6. ACCIDENTAL RELEASE MEASURES

<b>Personal Precautions</b>	Use personal protective equipment. Do not get in eyes, on skin, or on clothing.
<b>Environmental Precautions</b>	Prevent entry into waterways, sewers, basements or confined areas. Do not flush into surface water or sanitary sewer system.
<b>Methods for Containment</b>	Prevent further leakage or spillage if safe to do so.
<b>Methods for Cleaning Up</b>	Cover liquid spill with sand, earth or other noncombustible absorbent material. Pick up and transfer to properly labeled containers.

## 7. HANDLING AND STORAGE

<b>Handling</b>	Handle in accordance with good industrial hygiene and safety practice. Wear personal protective equipment. Prevent contact with skin, eyes and clothing Do not ingest. Remove and wash contaminated clothing before re-use.
<b>Storage</b>	Keep containers tightly closed in a dry, cool and well-ventilated place. Keep out of the reach of children.

## 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

### Exposure Guidelines

Chemical Name	ACGIH TLV	OSHA PEL	NIOSH IDLH
Camphor 76-22-2	STEL: 3 ppm synthetic TWA: 2 ppm synthetic	TWA: 2 mg/m <sup>3</sup> (vacated) TWA: 2 mg/m <sup>3</sup>	IDLH: 200 mg/m <sup>3</sup> TWA: 2 mg/m <sup>3</sup> synthetic

*ACGIH TLV: American Conference of Governmental Industrial Hygienists - Threshold Limit Value. OSHA PEL: Occupational Safety and Health Administration - Permissible Exposure Limits. NIOSH IDLH: Immediately Dangerous to Life or Health.*

**Other Exposure Guidelines** Vacated limits revoked by the Court of Appeals decision in AFL-CIO v. OSHA, 965 F.2d 962 (11th Cir., 1992).

**Engineering Measures**  
Showers  
Eyewash stations  
Ventilation systems

### Personal Protective Equipment (applies to industrial settings)

**Eye/Face Protection:** Tightly fitting safety goggles for bulk mixture.  
**Skin and Body Protection:** Protective gloves for bulk mixture.  
**Respiratory Protection:** When dealing with bulk mixture, If exposure limits are exceeded or irritation is experienced, NIOSH/MSHA approved respiratory protection should be worn. Positive-pressure supplied air respirators may be required for high airborne contaminant concentrations. Respiratory protection must be provided in accordance with current local regulations.

**Hygiene Measures:** Handle in accordance with good industrial hygiene and safety practice. Avoid contact with skin, eyes and clothing. Remove and wash contaminated clothing before re-use.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

<b>Appearance</b>	Clear to yellow.	<b>Odor</b>	Menthol.
<b>Odor Threshold</b>	No information available	<b>Physical State</b>	Inhaler Aerosol
<b>pH</b>	UNKNOWN		
<b>Flash Point</b>	No information available.	<b>Autoignition Temperature</b>	No information available
<b>Decomposition Temperature</b>	No information available	<b>Boiling Point/Range</b>	No information available
<b>Melting Point/Range</b>	72Å°C / 161Å°F		
<b>Flammability Limits in Air</b>	No information available	<b>Explosion Limits</b>	No information available
<b>Water Solubility</b>	Practically insoluble (~0.4 ug/mL)	<b>Solubility</b>	No information available
<b>Evaporation Rate</b>	No information available	<b>Vapor Pressure</b>	No data available
<b>Vapor Density</b>	No data available	<b>VOC Content (%)</b>	Not applicable
<b>Partition Coefficient: n-octanol/water</b>			

## 10. STABILITY AND REACTIVITY

<b>Stability</b>	Stable under recommended storage conditions.
<b>Incompatible Products</b>	None known.
<b>Conditions to Avoid</b>	None known.
<b>Hazardous Decomposition Products</b>	Carbon oxides.
<b>Hazardous Polymerization</b>	Hazardous polymerization does not occur.

## 11. TOXICOLOGICAL INFORMATION

### Acute Toxicity

<b>Product Information</b>	Product is not considered harmful if used in accordance to labeling
<b>Inhalation</b>	May cause irritation of respiratory tract in not used in accordance to labeling.
<b>Eye Contact</b>	May cause irritation.
<b>Skin Contact</b>	May cause irritation. May be absorbed through the skin in harmful amounts.
<b>Ingestion</b>	Harmful if swallowed.

### **Component Information**

### Component Information

Chemical Name	LD50 Oral	LD50 Dermal	LC50 Inhalation
Supplier Trade Secret	= 2602 mg/kg ( Rat )	> 5000 mg/kg ( Rabbit )	-
Methyl Salicylate	= 887 mg/kg ( Rat )	= 2500 mg/kg ( Rat ) > 5000 mg/kg ( Rabbit )	-
Supplier Trade Secret	= 0.17 g/kg ( Rat )	> 5 g/kg ( Rabbit )	-

### Chronic Toxicity

<b>Chronic Toxicity</b>	No known effect based on information supplied.
<b>Carcinogenicity</b>	There are no known carcinogenic chemicals in this product.
<b>Target Organ Effects</b>	Central nervous system (CNS). Eyes. Respiratory system. Skin.

## 12. ECOLOGICAL INFORMATION

### Ecotoxicity

The environmental impact of this product has not been fully investigated. Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

Chemical Name	Toxicity to Algae	Toxicity to Fish	Toxicity to Microorganisms	Daphnia Magna (Water Flea)
Supplier Trade Secret		LC50: 22.3 mg/L (96 h static) Brachydanio rerio		EC50: 44.3 mg/L (24 h ) Daphnia magna
Methyl Salicylate			EC50 = 380 mg/L 16 h EC50 = 989 mg/L 1 h	EC50: 50 mg/L (24 h ) Daphnia magna
Supplier Trade Secret			EC50 = 0.29 mg/L 30 min EC50 = 0.42 mg/L 15 min EC50 = 1.03 mg/L 5 min	

Chemical Name	Log Pow
Supplier Trade Secret	3.2
Methyl Salicylate	2.55

## 13. DISPOSAL CONSIDERATIONS

### **Waste Disposal Methods**

This material, as supplied, is not a hazardous waste according to Federal regulations (40 CFR 261). This material could become a hazardous waste if it is mixed with or otherwise comes in contact with a hazardous waste, if chemical additions are made to this material, or if the material is processed or otherwise altered. Consult 40 CFR 261 to determine whether the altered material is a hazardous waste. Consult the appropriate state, regional, or local regulations for additional requirements.

### **Contaminated Packaging**

Dispose of in accordance with local regulations.

**California Hazardous Waste Codes** 311

## 14. TRANSPORT INFORMATION

**DOT** NOT REGULATED

**TDG** Not regulated

**MEX** Not regulated

**ICAO** Not regulated

**IATA** Not regulated

**IMDG/IMO** Not regulated

## 15. REGULATORY INFORMATION

### International Inventories

TSCA Exempt  
 DSL Not determined

### U.S. Federal Regulations

#### 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 40 of the Code of Federal Regulations, Part 372.

#### SARA 311/312 Hazard Categories

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

#### Clean Water Act

This product does not contain any substances regulated as pollutants pursuant to the Clean Water Act (40 CFR 122.21 and 40 CFR 122.42).

#### Clean Air Act, Section 112 Hazardous Air Pollutants (HAPs) (see 40 CFR 61)

This product does not contain any substances regulated as hazardous air pollutants (HAPS) under Section 112 of the Clean Air Act Amendments of 1990.

#### CERCLA

This material, as supplied, does not contain any substances regulated as hazardous substances under the Comprehensive Environmental Response Compensation and Liability Act (CERCLA) (40 CFR 302) or the Superfund Amendments and Reauthorization Act (SARA) (40 CFR 355). There may be specific reporting requirements at the local, regional, or state level pertaining to releases of this material.

### U.S. State Regulations

#### California Proposition 65

This product does not contain any Proposition 65 chemicals.

### U.S. State Right-to-Know Regulations

Chemical Name	Massachusetts	New Jersey	Pennsylvania	Illinois	Rhode Island
Methyl Salicylate			X		
Camphor	X	X	X		

### International Regulations

#### Mexico - Grade

Moderate risk, Grade 2

Chemical Name	Carcinogen Status	Exposure Limits
Camphor		Mexico: TWA 2 ppm Mexico: TWA 12 mg/m <sup>3</sup> Mexico: STEL 3 ppm Mexico: STEL 19 mg/m <sup>3</sup>

#### Canada

This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations (CPR) and the MSDS contains all the information required by the CPR.

**WHMIS Hazard Class**

D2B Toxic materials

**16. OTHER INFORMATION**

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**General Disclaimer**

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text

**End of Safety Data Sheet**