

MSDS – Frontalin

Synergy Semiochemicals Corporation



**IDENTITY (As Used on Label and List)**

Note: Blank spaces are not permitted. If any item is not applicable, or no information is available, the space must be marked to indicate that.

***Frontalin***

**Section I**

**Manufacturer's Name**  
Synergy Semiochemicals Corporation

**Emergency Telephone Number**  
**CANUTEC @ 1-(613)-996-6666**

**Address**  
7572 Progress Way  
Delta, British Columbia,  
Canada  
V4G 1E9

**Telephone Number for Information**  
1-(604)-454-1122

**Date Prepared**  
2018-09-07

**Signature of Preparer (optional)**

**Section II - Hazardous Ingredients/Identity Information**

<b>Hazardous Components (Specific Chemical Identity; Common Name(s))</b>	<b>OSHA PEL</b>	<b>ACGIH TLV</b>	<b>Other Limits Recommended</b>	<b>% (optional)</b>
Frontalin CAS 28401-39-0	N/A	N/A	N/A	N/A

**Section III - Physical/Chemical Characteristics**

<b>Boiling Point</b>	167C	<b>Specific Gravity (H<sub>2</sub>O = 1)</b>	0.95
<b>Vapour Pressure (mm Hg)</b>	N/A	<b>Melting Point</b>	-10 C
<b>Vapour Density (AIR = 1)</b>	>1	<b>Evaporation Rate (Butyl Acetate = 1)</b>	<1

**Solubility in Water**  
Insoluble

**Appearance and Odour**

Clear mobile liquid with distinct minty ethereal odour packaged in release device.



## **Section IV - Fire and Explosion Hazard Data**

<b>Flash Point (Method Used)</b>	<b>Flammable Limits</b>	<b>LEL</b>	<b>UEL</b>
53 C, closed cup	N/A	N/A	N/A

### **Extinguishing Media**

Carbon dioxide, dry chemical, foam. Do not use water.

### **Special Fire Fighting Procedures**

Use water spray to cool fire exposed containers. Firefighters & other exposed to product of combustion should wear self-contained breathing apparatus & full firefighting protective clothing. Dike area to prevent runoff.

### **Unusual Fire and Explosion Hazards**

When heated, material and vapours are a moderate fire hazard.

## **Section V - Reactivity Data**

<b>Stability</b>	Unstable	<b>Conditions to Avoid</b>
	Stable	X Exposure to oxidizing agents or open flame

### **Incompatibility (*Materials to Avoid*)**

Oxidizing agents, chlorinating agents, strong acids, strong heating or flame

### **Hazardous Decomposition or Byproducts**

Oxides of carbon. Incomplete combustion generates aldehydes and acids

<b>Hazardous Polymerization</b>	May Occur	<b>Conditions to Avoid</b>
	Will Not Occur X	N/A

## **Section VI - Health Hazard Data**

<b>Route(s) of Entry:</b>	Inhalation?	Skin?	Ingestion?
	YES	YES	YES

### **Health Hazards (*Acute and Chronic*)**

Mucous membrane, skin, eye and respiratory tract irritant. May be an allergic sensitizer in some individuals. Release device is non-hazardous if not punctured.

<b>Carcinogenicity:</b>	NTP?	IARC Monographs?	OSHA Regulated?
	NO	NO	NO

This material is not known to be carcinogenic

### **Signs and Symptoms of Exposure**

Exposure to small amounts is likely to be asymptomatic. Larger amounts may cause irritation of skin, eyes, or mucous membranes. Ingestion may lead to nausea and vomiting. Inhalation of large amounts of vapour may produce dizziness, headache, chest pain, and in severe cases pulmonary oedema, cyanosis and intoxication leading to unconsciousness.

If concerned about exposure levels, remove victim to fresh air and contact your local poison control centre. Release devices are non-hazardous if not punctured.



## Section VI - Health Hazard Data cont'd.

### Medical Conditions Generally Aggravated by Exposure

Dermatitis, pneumonia, upper respiratory tract irritation.

### Emergency and First Aid Procedures

Remove affected to fresh air. For skin contact, wash affected area with warm soapy water. For eye contact, wash eyes thoroughly with cold water. Treat symptomatically and supportively.

## Section VII - Precautions for Safe Handling and Use

### Steps to Be Taken in Case Material is Released or Spilled

Provide adequate ventilation to remove fumes from spill area. Personnel should use protection against contact with liquids & against breathing large amounts of vapours. Pick up with absorbent material & place in waste disposal container. Use vermiculite or other suitable absorbent. Flush area with water.

### Waste Disposal Method

Incineration or sanitary disposal in accordance with local regulations

### Precautions to Be taken in Handling and Storing

Flammable liquid. Store in well ventilated, cool dry place away from sources of heat & ignition. No smoking in areas of storage or use.

### Other Precautions

N/A

## Section VIII - Control Measures

### Respiratory Protection (*Specify Type*)

For high exposures, use NIOSH approved air line or self contained respirators. Eye protection may be needed to prevent eye irritation from high levels of vapours.

<b>Ventilation</b>	Local Exhaust	Special
	YES	N/A
	Mechanical ( <i>General</i> )	Other
	YES	N/A

### Protective Gloves

Organic resistant, e.g. Butyl rubber

### Eye Protection

Organic resistant

### Other Protective Clothing or Equipment

Provide eye wash station, safety shower, and suitable cleanup materials in case of spill.

### Work/Hygienic Practices

Avoid contact with skin and eyes. Do not eat, drink, or smoke when handling material. Release devices are non-hazardous if not punctured.