



## MATERIAL SAFETY DATA SHEET

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### 1. Product and Company Information

Product name: Scopoletin  
Product Number: RS-043

Company: SensaPharm Ltd  
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### 2. Hazards Identification

Irritating to eyes, respiratory system and skin.

### 3. Composition/Information on Ingredients

CAS #	EC-No.	Index-No.	Classification	Concentration
<b>Scopoletin</b>				
92-61-5	202-171-9	N/A	Xi, R36/37/38	100%
Synonyms: 7-Hydroxy-6-methoxycoumarin; 7-Hydroxy-6-methoxy-2H-1-benzopyran-2-one; 6-Methoxyumbelliferone; Esculetin-6-methyl ether; Chrysatropic acid; Gelseminic acid; 7-Hydroxy-5-methoxycoumarin;				

### 4. First Aid Measures

#### Inhalation

If inhaled, remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical aid.

#### Skin Contact

Wash off with soap and plenty of water. Remove contaminated clothing and shoes. Get medical aid if irritation develops and persists. Wash clothing before reuse.

**Eye Contact**

Flush eyes with water as a precaution. Consult a physician.

**Ingestion**

Do not induce vomiting. Rinse mouth with water. Never give anything to an unconscious person by mouth. Consult a physician.

**5. Fire Fighting Measures****Extinguishing Media**

Use water spray, dry chemical, carbon dioxide, or appropriate foam.

**Special protective equipment for emergency personnel**

Wear self contained breathing apparatus and protective clothing to prevent contact with eyes and skin.

**Further information**

Use water spray to cool unopened containers.

**6. Accidental Release Measures****Personal Precautions**

Avoid dust formation. Evacuate area. Wear appropriate protective clothing to minimize contact with skin. Avoid breathing vapours, mist or gas. Ensure adequate ventilation. Remove all sources of ignition.

**Methods for cleaning up**

Sweep up and shovel, then place in suitable container for appropriate disposal.

**7. Handling and Storage****Handling**

Provide appropriate exhaust ventilation at places where dust is formed. Avoid contact with eyes, skin or clothing. Avoid prolonged or repeated exposure.

**Storage**

Store in a cool, dry place. Store in a tightly closed container.

Recommended storage temperature: -20°C

**8. Exposure Controls/Personal Protection****General Hygiene Measures**

Wash contaminated clothing before reuse. Discard contaminated shoes. Wash thoroughly after handling.

**Personal Protective Equipment****Respiratory protection**

Respiratory protection is not required. Where protection from nuisance levels of dusts are desired, use type N95 (US) or type P1 (EN 143) dust masks. Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU).

**Hand protection**

Compatible chemical-resistant gloves.

**Eye protection**

Chemical safety goggles.

**Skin and body protection**

Wear appropriate protective gloves to prevent skin exposure.

## 9. Physical and Chemical Properties

Physical State	Crystalline
Colour	White
Molecular Formula	C <sub>10</sub> H <sub>8</sub> O <sub>4</sub>
Molecular Weight	192.17
pH	n/a
BP	n/a
MP	n/a
Flash Point	n/a
Flammability	n/a
Autoignition Temperature	n/a
Oxidising Properties	n/a
Explosive Properties	n/a
Explosion Limits	n/a
Vapour Pressure	n/a
Density	n/a
Partition Coefficient	n/a
Viscosity	n/a
Vapour Density	n/a
Saturated Vapour Concentration	n/a
Evaporation Rate	n/a
Bulk Density	n/a
Decomposition Temperature	n/a
Solvent Content	n/a
Water Content	n/a
Surface Tension	n/a
Conductivity	n/a
Miscellaneous Data	n/a
Solubility	n/a

## 10. Stability and Reactivity

### Storage stability

Stable under recommended storage conditions.

### Conditions to avoid

Incompatible materials.

### Materials to avoid

Strong oxidizing agents, acids, acetic anhydride, acid chlorides, carbon dioxide.

### Hazardous decomposition products

Carbon monoxide, Carbon dioxide

## 11. Toxicological Information

### Acute toxicity

No data available

### Irritation and corrosion

no data available

### Sensitisation

no data available

### Chronic exposure

no data available

**Signs and Symptoms of Exposure**

To the best of our knowledge, the chemical, physical, and toxicological properties have not been thoroughly investigated.

**Potential Health Effects**

**Inhalation** May be harmful if inhaled. May cause respiratory tract irritation.

**Skin** May be harmful if absorbed through skin. May cause skin irritation.

**Eyes** May cause eye irritation.

**Ingestion** May be harmful if swallowed.

**12. Ecological Information**

No data available

**13. Disposal Considerations**

Contact a licensed professional waste disposal service to dispose of this material Dissolve or mix the material with a combustible solvent and burn in a chemical incinerator equipped with an afterburner and scrubber. Observe all federal, state and local environmental regulations.

**14. Transport Information**

Not dangerous goods. Not hazardous for road, sea or air transport.

**15. Regulatory Information**

Labelling according to EC Directives

Hazard symbols: Xi Irritant.

R-phrase(s): R36/37/38

Irritating to eyes, respiratory system and skin.

S-phrase(s): S26 36

In case of contact with eyes, rinse immediately with plenty of water and seek medical advice. Wear suitable protective clothing.

**16. Other Information**

**Warranty**

The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. The information in this document is based on the present state of our knowledge and is applicable to the product with regard to appropriate safety precautions. It does not represent any guarantee of the properties of the product. SensaPharm Ltd., shall not be held liable for any damage resulting from handling or from contact with the above product. See [www.sensapharm.eu](http://www.sensapharm.eu) for additional terms and conditions of sale. Copyright 2009 SensaPharm Ltd. License granted to make unlimited paper copies for internal use only.

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