

# MATERIAL SAFETY DATA SHEET

## ELAN CHEMICAL COMPANY, INC

Date Printed: October 23, 2007

Date Updated: August 2, 2005

### 1. Product /Company Identification

---

Product Name: METHYL ISO EUGENOL

Manufacturer: Elan Chemical Co. Inc.  
268 Doremus Ave.  
Newark, NJ 07105  
U.S.A.

Phone: (973)344-8014

Fax: (973)344-5880

Emergency: 800-424-9300 (Chemtrec)

### 2. Composition/Information on Ingredient

---

Synonyms: Isoeugenol, Methyl ether

CAS Number: 93-16-3

FEMA: 2476

Molecular Formula:  $C_{11}H_{14}O_2$  Molecular Wt: 178.23

### 3. Hazards Identification

---

Emergency Overview

**Harmful by inhalation** and if swallowed.

Irritant. Irritating to eyes, respiratory system and skin.

	<u>HMIS</u>	<u>NFPA</u>
Health	1	1
Flammability	1	1
Reactivity	0	0

### 4. First Aid Measures

---

Oral Exposure: If swallowed, wash out mouth with water provided person is conscious.  
Call a physician.

Inhalation Exposure: If inhaled, move to fresh air. If not breathing give artificial respiration. IF breathing is difficult, give oxygen.

Skin Exposure: In case of contact, immediately wash skin with soap and copious amounts of water.

Eye Exposure: In case of contact, immediately flush eyes with copious amounts of water for at least 15 minutes

## **5. Fire Fighting Measures**

---

Flammable Hazards: **No**

Flash Point: 100°C (200°F)

Extinguishing Material: Carbon Dioxide  
Dry Chemical Powder  
Foam

Protective Equipment: Wear self-contained breathing apparatus and protective clothing to prevent contact with skin and eyes.

Specific Fire Fighting Hazards: Combustible Liquid. Emits toxic fumes under fire conditions.

Exposure Hazards: none.

## **6. Accidental Release Measures**

---

Procedure to be followed in case of leak or spill:  
Ventilate area. Avoid breathing vapor. Avoid contact with skin, eyes and clothing.

Personal Protection: Exercise appropriate precautions to minimize direct contact with skin or eyes and prevent inhalation of vapors.

Clean up Methods: Absorb on sand or vermiculite and place in closed materials for disposal. Ventilate area and wash spill site after material pickup is complete.

## **7. Handling and Storage Procedures**

---

Handling: DO NOT breathe vapors. Avoid contact with eyes, skin and clothing. Avoid prolonged or repeated exposure.

Storage: Keep container tightly closed.

## **8. Exposure Controls/ PPE**

---

Respiratory: At a minimum, workers should wear a NIOSH-approved full-face air-purifying respirator.

Eyes: Chemical Safety goggles

Skin: Chemical resistant gloves.

Ventilation: Mechanical exhaust required.

General Hygiene Measures: Wash contaminated clothing before reuse. Wash thoroughly after handling.

## **9. Physical/Chemical Properties**

---

Appearance:	Colorless to pale yellow liquid
Odor:	Spicy, carnation type odor, sweeter than eugenol.
Boiling Point:	270 ° C
Melting Point:	N/ A
Flash Point:	200° F
Vapor Density:	
Specific Gravity:	1.05
Refractive Index:	1.568

## **10. Stability and Reactivity**

---

Stability:	Stable
Materials to Avoid:	Strong acids, alkalies and or oxidizing agents.
Hazardous Decomposition Products:	Carbon Monoxide, Carbon Dioxide.

## **11. Toxicological Information**

---

Exposure Effects:	
Skin Contact:	May cause skin irritation.
Skin Absorption:	May be harmful if absorbed through skin.
Eye Contact:	May cause eye irritation.
Inhalation:	May be harmful if inhaled. Material is irritating to mucous membranes and upper respiratory tract.
Ingestion:	May be harmful if swallowed.

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

## **12. Ecological Information**

---

No Data Available.

## **13. Disposal Considerations**

---

Disposal:	Contact a licensed professional waste disposal service to dispose of this material. Dissolve or mix the material with a combustible solvent to burn in a chemical incinerator. Observe all federal, state, and local environmental laws.
-----------	--

## **14. Transportation Information**

---

Ground (DOT) & Air (IATA)  
Proper shipping Name: None.

Non-hazardous

## **15. Regulatory Information**

---

### United States Regulatory Information

SARA Listed: No

### Canada:

DSL: Yes

NDSL: No

## **16. Additional Information**

---

*This material safety data sheet is intended to meet the specific requirements of 29 CFR 1910.1200 and should be used accordingly. While the information has been obtained from sources believed to be accurate and reliable, no warranty, expressed or implied, can be made with regard to its completeness, correctness or accuracy. Any users or handlers of this product who are not under the direct control of Elan Chemical Co., Inc. are responsible for evaluating this information in light of their particular situation and are responsible for all losses, damages or expenses that result while this material is under their control. It is also the responsibility of the users and handlers to observe any and all laws and regulations (Federal, State and Local) concerning the transportation, use, handling, storage and disposal of this product.*