

MATERIAL SAFETY DATA SHEET

ELAN CHEMICAL COMPANY, INC

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1. Product /Company Identification

Product Name: **METHYL EUGENOL**

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

Phone: (973)344-8014

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2. Composition/Information on Ingredient

Synonyms: Eugenol, Methyl ether

CAS Number: 93-15-2

FEMA: 2475

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

3. Hazards Identification

Emergency Overview:

Harmful by inhalation and if swallowed.

Irritant. Irritating to eyes, respiratory system and skin.

Limited evidence of a carcinogenic effect.

Possible carcinogen (US). California Prop. 65 carcinogen.

| | <u>HMIS</u> | <u>NFPA</u> |
|--------------|-------------|-------------|
| Health | 2 | 2 |
| Flammability | 0 | 0 |
| 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: 110°C (235°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: Emits toxic fumes under fire conditions.

6. Accidental Release Measures

Procedure to be followed in case of leak or spill:
Evacuate area.

Personal Protection: Wear self-contained breathing apparatus, rubber boots and heavy rubber gloves.

Clean up Methods: Cover with dry lime or soda ash, pick up and keep in a closed container 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: | Carnation like odor. |
| Boiling Point: | 128 - 130 ° C |
| Melting Point: | -4°C |
| Flash Point: | 235° F |
| Vapor Density: | |
| Specific Gravity: | 1.036 |
| Refractive Index: | 1.534 |

10. Stability and Reactivity

| | |
|-----------------------------------|----------------------------------|
| Stability: | Stable |
| Materials to Avoid: | Strong oxidizing agents. |
| Hazardous Decomposition Products: | Carbon Monoxide, Carbon Dioxide. |

11. Toxicological Information

| | |
|-------------------|--|
| Exposure Effects: | |
| Skin Contact: | Cause skin irritation. |
| Skin Absorption: | May be harmful if absorbed through skin. |
| Eye Contact: | Causes eye irritation. |
| Inhalation: | May be harmful if inhaled. |
| Ingestion: | 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

EU Additional Classification: Xn

Indication of Danger: Harmful

R: 22, 40 36/37/38

Risk Statements: Harmful if swallowed. Limited evidence of a carcinogenic effect. Irritating to eyes, respiratory system and skin.

Safety Statements: In case of contact with eyes, rinse immediately with plenty of water and seek medical advice. Wear suitable gloves and eye/face protection.

US Statements: Possible Carcinogen (US) California Prop. 65 carcinogen.

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.