

MATERIAL SAFETY DATA SHEET

ELAN CHEMICAL COMPANY, INC

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1. Product /Company Identification

Product Name: **NATURAL ACETOIN**

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: Acetyl Methyl Carbinol, Natural
CAS Number: 513-86-0
FEMA: 2008
Molecular Formula: C₄H₈O₂ Molecular Weight: 88.11

3. Hazards Identification

Harmful by inhalation and if swallowed.
Irritant. Irritating to eyes, respiratory system and skin.
Combustible.

	<u>HMIS</u>	<u>NFPA</u>
Health	2	2
Flammability	2	2
Reactivity	0	0

4. First Aid Measure

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 at least 15 minutes.

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:	YES
Flash Point:	47 °C (116.6 °F)
Extinguishing Material:	For small fires: Carbon Dioxide, Dry Chemical Powder, Alcohol Foam For large fires: Apply water from as far away as possible. Use very large quantities of water applied as a mist or spray. Solid streams of water may be ineffective. Cool all affected containers with flooding quantities of water.
Protective Equipment:	Wear self-contained breathing apparatus and protective clothing to prevent contact with skin and eyes.
Exposure Hazards:	Emits toxic fumes under fire conditions. Combustible liquid.

6. Accidental Release Measures

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

Personal Protection:	Wear respirator, chemical safety goggles, rubber boots, and heavy rubber gloves.
Clean up Methods:	Cover with dry lime or soda ash, pick up, keep in a closed container, and hold for waste disposal. Ventilate area and wash spill site after clean up is complete.

7. Handling and Storage Procedures

Handling:	Do not breathe vapor. Avoid contact with eyes, skin and clothing. Avoid prolonged or repeated exposure.
Storage:	Suitable: Keep container tightly closed. Keep away from heat and open flame.

8. Exposure Controls/ PPE

Handling:	Do not breathe vapor. Do not get in eyes, on skin and on clothing. Avoid prolonged or repeated exposure.
Eyes:	Chemical Safety goggles
Skin:	Chemical resistant gloves.
Ventilation:	Mechanical exhaust required.
General Hygiene Measures:	Wash thoroughly after handling.

9. Physical/Chemical Properties

Appearance:	Slightly yellow liquid
Boiling Point:	148 ° C
Melting Point:	15 ° C

Flash Point: 47 °C (116.6 °F)
Vapor Density: n/a
Specific Gravity: 1.003- 1.019
Refractive Index: 1.417- 1.420

10. Stability and Reactivity

Stability: Stable
Materials to Avoid: Strong bases, Strong oxidizing agents.
Hazardous Decomposition Products: Carbon Monoxide, Carbon Dioxide
Hazardous Polymerization: Will not occur

11. Toxicological Information

Exposure Effects:
Skin Contact: Causes skin irritation.
Skin Absorption: May be harmful if absorbed through skin.
Eye Contact: Causes 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 this material with a combustible solvent and burn in a chemical incinerator equipped with an afterburner and scrubber. Dispose of in accordance with local, state, and federal regulations.

14. Transportation Information

Ground (DOT) & Air (IATA)
Proper shipping Name: Acetyl methyl carbinol
UN#: 2621
Hazard Class: 3
Packing group: III
Hazard label: Flammable liquid

15. Regulatory Information

EU Classifications:
Symbol of Danger: Xi

Indication of Danger: Irritant

R: 10-36/38

Risk Statements: Flammable. Irritating to eyes and skin.

S: 26

Safety Statements: In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.

US Classifications:

Indication of Danger: Irritant.

Risk Statements: Irritating to eyes and skin.

Safety Statements: In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.

US Statements: Combustible.

United States Regulatory Information

SARA Listed: No

TSCA Inventory Item: YES

Canada:

WHMIS Classification: This product has been classified in accordance with the hazard criteria of the CPR, and the MSDS contains all the information required by the CPR.

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.