

MATERIAL SAFETY DATA SHEET

5-METHYL-2-HEPTEN-4-ONE NATURAL, OPTICAL ACTIVE

1. Identification

- Chemical name: 5-Mehtylhept-2-en-4-one
5-Methyl-2-hepten-4-one; Filbert heptenone; Filbertone;
- Synonyms: Hazeltone
- Molecular Formula: C₈H₁₄O
- Molecular Weight: 126.19
- CAS No.: 81925-81-7
- FEMA No.: 3761
- EINECS No.: -
- FDA: -
- CoE: -

2. Hazards identification

- **Classification of the substance or mixture**
Classification according to Regulation (EC) No 1272/2008
Flammable liquids (Category 3) H226
Classification according to EU Directives 67/548/EEC or 1999/45/EC
R10
For the full text of the R-phrases mentioned in this Section, see Section 15.
- **Label elements**
Labelling according Regulation (EC) No 1272/2008



Pictogram

Signal word Warning

Hazard statement(s)

H226 Flammable liquid and vapour

Precautionary statement(s) none

Supplemental Hazard none

Statements

Quality defines a brand, reputation builds an alliance.

- **Other hazards** none
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3. Composition/information on ingredients

- 5-Mehtylhept-2-en-4-one ≥ 98%
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4. First aid measures

- **Eye contact:**
Flush eyes with plenty of water for at least 15 minutes, occasionally lifting the upper and lower eyelids. Get medical aid.
 - **Skin contact:**
Get medical aid. Flush skin with plenty of water for at least 15 minutes while removing contaminated clothing and shoes.
 - **Inhalation:**
Remove from exposure and move to fresh air immediately. Get medical aid.
 - **After ingestion:**
Get medical aid. Wash mouth out with water.
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5. Fire-fighting measures

- **General Information:**
As in any fire, wear a self-contained breathing apparatus in pressure-demand, MSHA/NIOSH (approved or equivalent), and full protective gear.
 - **Extinguishing Media:**
Use water spray, dry chemical, carbon dioxide, or chemical foam.
 - **Special method of fire-fighting**
Cool endangered containers with water spray ;Containers may explode when heated.
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6. Accidental release measures

- **General Information:**
Use proper personal protective equipment as indicated in Section 8.
 - **Spills/Leaks:**
Vacuum or sweep up material and place into a suitable disposal container.
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7. Handling and storage

- **Handling:**

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Avoid inhalation of vapour or mist.

Keep away from sources of ignition - No smoking. Take measures to prevent the build up of electrostatic charge.

- **Storage:**

Store in cool place. Keep container tightly closed in a dry and well-ventilated place. Containers which are opened must be carefully resealed and kept upright to prevent leakage.

8. Exposure controls and personal protection

- Technical measures Local exhaust ventilation necessary
Take precautionary measures against electrostatic charging
Processing in closed systems, if possible superposed by inert gas (e.g. nitrogen).
 - Engineering Controls: Facilities storing or utilizing this material should be equipped with an eyewash facility and a safety shower..
 - Respiratory protection In case of olfactory nuisance: respirator with independent air supply or mask with activated charcoal filter
 - Eyes: Safety glasses
 - Hand Protective gloves
 - Skin: Wear appropriate protective clothing to prevent skin exposure
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9. Physical and chemical properties:

- Form: Liquid
 - Color: Colorless to pale yellow
 - Odor Hazelnut, metallic, buttey odour
 - pH value at 10g/l H₂O N/A
 - Boiling point (°C): 170 °C - lit.
 - Flash point (°C): 52.22 °C - closed cup
 - Melting point (°C): N/A
 - Explosive properties: N/A
 - Lower explosion limit: N/A
 - Upper explosion limit: N/A
 - Ignition temperature: N/A
 - Oxidizing properties: N/A
 - Vapor pressure: N/A
 - Specific gravity @25°C: 0.845 - 0.852
 - Solubility Slightly soluble in water; soluble in oils; miscible in alcohol
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10. Stability and reactivity

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- Chemical Stability: Stable at room temperature in closed containers under normal storage and handling conditions.
- Conditions to Avoid Ignition sources, excess heat, freezing temperatures, confined spaces.
- Substances to be avoided: Metals, strong oxidizing agents, strong bases.
- Hazardous decomposition: Carbon dioxide, carbon monoxide.
- Hazardous Polymerization: Will not occur.

11. Toxicological information

- Acute toxicity No information available.
- Sensitization No information available.
- Mutagenicity No information available.
- Other Studies See actual entry in RTECS for complete information.

12. Ecological information

- No information available

13. Disposal considerations

- Waste from residues Observe local/national regulations regarding waste disposal
Incinerate in qualified installation with flue gas scrubbing

14. Transport information

- **UN number**
ADR/RID:1224 IMDG:1224 IATA:1224
- **Shipping Name:**
ADR/RID: KETONES, LIQUID, N.O.S. (5-Methyl-2-hepten-4-one)
IMDG: KETONES, LIQUID, N.O.S. (5-Methyl-2-hepten-4-one)
IATA: Ketones, liquid, n.o.s. (5-Methyl-2-hepten-4-one)
- **Hazard Class:**
ADR/RID:3 IMDG:3 IATA:3
- **Packing Group:**
ADR/RID:III IMDG:III IATA:III

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