
MATERIAL SAFETY DATA SHEET

2-ACETYL THIAZOLE NATURAL

1. Identification

- Chemical name 2-Acetylthiazole
- Synonyms Methyl 2-Thiazolyl Ketone; 1-(Thiazol-2-yl)ethan-1-one
- Molecular Formula C₅H₅NOS
- Molecular Weight 127.17
- CAS No. 24295-03-2
- FEMA No. 3328
- EINECS No. 246-134-5
- FDA -
- CoE 11726

2. Hazards identification

- **Classification of the substance or mixture**

Classification according to Regulation (EC) No 1272/2008 [EU-GHS/CLP]

Acute toxicity, Oral (Category 4)	H302
Eye irritation (Category 2)	H319
Skin sensitization (Category 1)	H317

- **Label elements**

Labelling according Regulation (EC) No 1272/2008 [CLP]

Pictogram	
Signal word	Warning

Hazard statement(s)

H302	Harmful if swallowed.
H317	May cause an allergic skin reaction.
H319	Causes serious eye irritation.

Precautionary statement(s)

P280	Wear protective gloves.
P305 + P351 + P338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

Supplemental Hazard Statements none

- **Other hazards** none

3. Composition/information on ingredients

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- 2-Acetyl Thiazole \geq 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:**
Avoid contact with skin and eyes. 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.
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8. Exposure controls and personal protection

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|--------------------------|---|
| • 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:

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|--------------------------------------|-----------------------------|
| • Form | Liquid |
| • Color | Colorless to pale yellow |
| • Odor | Popcorn |
| • pH value at 10g/l H ₂ O | N/A |
| • Boiling point | 89 - 91 °C at 16 hPa - lit. |
| • Flash point | 78 °C - closed cup |
| • Melting point | N/A |
| • Explosive properties | N/A |
| • Lower explosion limit | 0.29% (v) |
| • Upper explosion limit | N/A |
| • Ignition temperature | N/A |
| • Oxidizing properties | N/A |
| • Vapor pressure | N/A |
| • Specific gravity @25°C | 1.219 – 1.226 |
| • Solubility in water | Insoluble |
| • Organic solvents | 1 ml in 1 ml 95% ethanol |
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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 |
| • Substances to be avoided: | Metals, strong oxidizing agents, strong bases. |
| • Hazardous decomposition: | Carbon dioxide, carbon monoxide. |
| • Hazardous | Will not occur. |
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11. Toxicological information

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- 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:- IMDG:- IATA:-
- **Shipping Name**
ADR/RID: Not dangerous goods
IMDG: Not dangerous goods
IATA: Not dangerous goods
- **Hazard Class**
ADR/RID:- IMDG:- IATA:-
- **Packing Group**
ADR/RID:- IMDG:- IATA:-

15. Regulatory information

This safety datasheet complies with the requirements of Regulation (EC) No. 1907/2006.

- **Safety, health and environmental regulations/legislation specific for the substance or mixture**
no data available
- **Chemical Safety Assessment**
no data available

16. Other information

- Document Number B-N33280-09
- Creation Date Feb. 19, 20
- Revision 9.0

- **Disclaimer** The information contained herein is based on the present state of our knowledge. It characterizes the product with regard to the appropriate safety precautions. It does not represent a guarantee of the properties of the product.