

MATERIAL SAFETY DATA SHEET

METHYL CYCLOPENTENOLONE HYDRATE NATURAL

1. Identification

- Chemical name 3-Methylcyclopentane-1,2-Dione Monohydrate
- Synonyms Methyl Cyclopentenolone, Monohydrate
- Molecular Formula $C_6H_8O_2 \cdot H_2O$
- Molecular Weight 130.15
- CAS No. 80-71-7 / 765-70-8
- FEMA No. 2700
- EINECS No. 201-303-2 / 212-154-8
- FDA 172.510
- CoE 758
- REACH registration number 01-2120779409-38-0000
- Only representative Chemical Inspection & Regulation service Limited
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2. Hazards identification

- **Classification of the substance or mixture**

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

Acute Toxicity (Category 4)	H302
Eye Damage (Category 1)	H318
Skin Sensitive (Category 1)	H317

- **Label elements**

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



Pictogram

Signal word	Danger
Hazard statement(s)	
H318	Causes serious eye damage.
H302	Harmful if swallowed.
H317	May cause an allergic skin reaction.
Precautionary statement(s)	

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P280	Wear protective gloves/protective clothing/eye protection/face protection.
P305+P351+P338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P310	Immediately call a POISON CENTER/doctor/...
P264	Wash ... thoroughly after handling.
P270	Do not eat, drink or smoke when using this product.
P301+P312	IF SWALLOWED: Call a POISON CENTER/doctor/... if you feel unwell.
P330	Rinse mouth.
P501	Dispose of contents/container toin accordance with local/regional/national /international regulations (to be specified). Manufacturer/supplier or the competent authority to specify whether disposal requirements apply to contents, container or both.
P261	Avoid breathing dust/fume/gas/mist/vapours/spray.
P272	Contaminated work clothing should not be allowed out of the workplace.
P302+P352	IF ON SKIN: Wash with plenty of water/...
P333+P313	If skin irritation or rash occurs: Get medical advice/attention.
P321	Specific treatment (see ... on this label).
P363	Wash contaminated clothing before reuse.
Supplemental Hazard Statement	none
• Other hazards	none

3. **Composition/information on ingredients**

- Methyl Cyclopentenolone, Monohydrate

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:**

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Get medical aid. Wash mouth out with water.

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:**
Provide appropriate exhaust ventilation at places where dust is formed. Normal measures for preventive fire protection.
 - **Storage:**
Store in cool place. Keep container tightly closed in a dry and well-ventilated place.
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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:

- Form Crystal powder
- Color White to beige
- Odor Nutty, maple-licorice aroma
- pH value at 10g/l H₂O N/A
- Boiling point 178.7 °C at 1,013 hPa
- Flash point N/A
- Melting point 70-78 °C
- 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 N/A
- Solubility in water Soluble
- Organic solvents 1 g in 5ml 90% alcohol

10. Stability and reactivity

- 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.

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

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