

# Safety Data Sheet

HEALTH	0
FLAMMABILITY	0
REACTIVITY	0

## Section 1: PRODUCT AND COMPANY IDENTIFICATION

### 1.1 Product identifiers

Product Name	Methyl Cyclopentenolone (MCP Hydrate), Natural
Product Number	0270000
CAS-No.	80-71-7

### 1.2 Product Recommended Use

Flavorings

### 1.3 Preparation Information

Company	Aurochemicals 7 Nicoll Street Washingtonville, NY 10992- USA
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Telephone	845-496-6065
Fax	845-496-6248

### 1.4 Emergency Telephone Number

1-800-535-5053  
International - 1-352-323-3500 collect

## Section 2: HAZARD(s) IDENTIFICATION

### 2.1 Classification of substance or mixture

GHS Classification in accordance with 29 CFR 1910 (OSHA HCS)	Not classified as Hazardous substance or mixture
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### 2.2 GHS Label Elements, Including precautionary statements

Pictogram	None
Signal Statement	None

Hazard Statement(s)	None
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Precautionary Statement(s)	None
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### 2.3 HNOC (Hazards not otherwise classified or not covered by GHS)

None

## Section 3: COMPOSITION / INFORMATION ON INGREDIENTS

### 3.1 Substances

Synonyms	3-Methyl-1,2-cyclopentanedione 2-Hydroxy-3-methyl-2-cyclopenten-1-one Maple lactone
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Formula	C <sub>6</sub> H <sub>8</sub> O <sub>2</sub>
Molecular Weight	112.13 g/mol

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CAS-No 80-71-7  
EC-No. 212-154-8

No ingredients are hazardous according to OSHA criteria.  
No components need to be disclosed according to the applicable regulations

## Section 4: FIRST AID MEASURES

### 4.1 Description of first aid measures

Inhalation	Provide fresh air; keep at rest and at a comfortable position to breathe.
Contact with skin:	Remove contaminated clothing. Rinse skin with cool water then wash with mild soap and warm water.
Contact with eyes:	Rinse thoroughly with plenty of water for at least 15 minutes as a precaution.
Ingestion	DO NOT induce vomiting. Never give anything by mouth to an unconscious person. Rinse mouth with water.

4.2 Most important symptoms and effects both acute and delayed See section 2.2 and or section 11

4.3 Indication of any immediate medical attention and special treatment needed. No data available

## Section 5: FIREFIGHTING MEASURES

5.1 Extinguishing Media  
Suitable Extinguishing Media Use water spray, alcohol resistant foam, dry chemical or carbon dioxide

5.2 Special hazards arising from the substance or mixture Carbon oxides

5.3 Advice for fire fighters Wear self contained breathing apparatus for firefighting if necessary. Emits toxic fumes under fire conditions.

5.4 Further information Use water spray to cool unopened containers.

## Section 6: ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions, protective equipment and emergency procedures Avoid dust formation. Avoid breathing vapors, mist, gas or dust. Ensure adequate ventilation.

6.2 Environment precautions Do not let product enter drains.

6.3 Methods and materials for containment and clean up Contain spillage. Wet Sweep up with broom and place in a suitable, closed container for disposal.

6.4 Specific end use(s) Apart from the uses mentioned in section 1.2, no other specific uses are stipulated.

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## Section 7: HANDLING AND STORAGE

- 7.1 **Precautions for safe handling** Provide appropriate exhaust ventilation at places where dust is formed. Normal measures for preventive fire protection.
- 7.2 **Conditions for Safe storage** Keep container tightly closed in a dry and well-ventilated place.
- 7.3 **Specific End use(s)** Flavorings

## Section 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

- 8.1 **Control parameters**  
Components with workplace control parameters Contains no substance with workplace control parameters
- 8.2 **Exposure Controls**  
Appropriate Engineering Controls Handle in accordance with good industrial hygiene and safety practices. Wash hands before breaks and at the end of the workday.
- Personal protective equipment** **These recommendations are advisory only and must be evaluated by an industrial hygienist and safety officer familiar with the specific situations of anticipated use by our customers. They should not be construed as offering an approval or any specific use scenario.**
- Eye/face protection Use equipment for eye protection tested and approved under appropriate government standards such as NIOSH (US) or EN 166 (EU)..
- Skin protection Wear chemically resistant rubber gloves. Use proper glove removal techniques (without touching gloves outer surface) to avoid skin contact with this product. Dispose of contaminated gloves after use. Wash and dry hands.
- Body protection Complete suit protecting against chemicals should be selected specifically for the work place, depending on concentration and quantity of the hazardous substances handled. The resistance of the protective clothing to chemicals should be ascertained with the respective supplier
- Respiratory protection Respiratory protection is not required. Where protection from nuisance levels of dust are desired, use type N95 (US) or type P1 (EN 143) dust masks. Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU).
- Control of environmental exposure Prevent further leakage or spillage if safe to do so. Do not let product enter drains. Discharge into the environment must be avoided.

## Section 9: PHYSICAL AND CHEMICAL PROPERTIES

- 9.1 **Information on basic physical and chemical properties**
- |                                 |                             |
|---------------------------------|-----------------------------|
| a Appearance                    | Solid<br>White, crystalline |
| b Odor                          | Nutty                       |
| c Odor Threshold                | No data available           |
| d pH                            | No data available           |
| e Melting Point /Freezing Point | Melting Point: 70-76°C      |
| f Boiling Point                 | 178.7°C                     |
| g Flash Point                   | No data available           |
| h Evaporation Rate              | No data available           |

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i	Flammability (Solid, Gas)	No data available
j	Upper/lower Flammability Limit	No data available
k	Vapor pressure	No data available
l	Vapor density	No data available
m	Relative density @25°C	No data available
n	Solubility	Water at room temperature: 1-3 gm/100ml ethyl alcohol: 25gm/100ml
o	Partition coefficient: n-octanol/water	No data available
p	Auto-ignition Temp.	No data available
q	Decomposition Temp.	No data available
r	Viscosity	No data available
s	Explosive properties	No data available
t	Oxidizing properties	No data available

9.2 Other Safety Information No data available

## Section 10: STABILITY AND REACTIVITY

10.1	Reactivity	No data available
10.2	Chemical Stability	Stable under recommended storage conditions
10.3	Possibility of Hazardous reactions	No data available
10.4	Conditions to avoid	No data available
10.5	Incompatible materials	Strong oxidizing agents, strong bases
10.6	Hazardous decomposition products	No data available
10.7	Further Information	No data available

## Section 11: TOXICOLOGICAL INFORMATION

### 11.1 Information on toxicological effects

#### Acute Toxicity

LD50-Oral- Rat	No data available
LC50-Inhalation	No data available
LD50-Dermal-Rabbit	No data available
Skin corrosion/irritation	No data available
Serious eye damage/eye irritation	No data available
Respiratory or skin sensitization	No data available
Germ Cell mutagenicity	No data available

#### Carcinogenicity

IARC	No component of this product, present levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC.
ACGIH	No component of this product, present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by ACGIH.
NTP	No component of this product, present at levels greater than or equal to 0.1% is identified as a known or anticipated carcinogen by NTP.
OSHA	No component of this product, present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by OSHA.

Reproductive toxicity	No data available
Teratogenicity	No data available

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Specific target organ toxicity-single exposure (GHS)	May cause respiratory irritation
Specific target organ toxicity-repeated exposures (GHS)	No data available
Aspiration Hazards	No data available
Signs and Symptoms of Exposure	To the best of our knowledge, the chemical, physical, and toxicological properties have not been thoroughly investigated
Synergistic effects	No data available
RTECS:	Not available

## Section 12: ECOLOGICAL INFORMATION

12.1 Toxicity	No data available
12.2 Persistence and degradability	No data available
12.3 Bioaccumulative potential	No data available
12.4 Mobility in soil	No data available
12.5 Results of PBT and vPvB assessment	PBT/vPvB assessment not available as chemical safety assessment not required / not conducted
12.6 Other adverse effects	No data available

## Section 13: DISPOSAL CONSIDERATIONS

13.1 Disposal methods	
Product:	According to local regulations
Packaging	According to local regulations

## Section 14: TRANSPORT INFORMATION

DOT (US)	Not dangerous goods
IMDG	Not dangerous goods
IATA	Not dangerous goods

## Section 15: REGULATORY INFORMATION

SARA 302 Components	No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302		
SARA 313 Components	This material does not contain any chemical components with known CAS numbers that exceed the threshold (De Minimis) reporting levels established by SARA Title III, Section 313.		
SARA 311/312 Hazards	No SARA hazards		
Massachusetts Right to Know components	No components are subject to the Massachusetts Right to Know Act		
Pennsylvania Right to Know components	3-Methylcyclopentane-1,2-dione	CAS# 80-71-7	Rev. Date:
New Jersey Right to Know components	3-Methylcyclopentane-1,2-dione	CAS# 80-71-7	Rev. Date:
California Prop. 65 components	This product does not contain any chemicals known to State of California to cause cancer, birth defects, or any other reproductive harm.		

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## Section 16: OTHER INFORMATION

### HMIS Rating

Health hazard 0  
Chronic Health Hazard  
Flammability 0  
Reactive Hazard 0

### Further Information

Aurochemicals provides the information contained herein in good faith but makes no representation as to its comprehensiveness or accuracy. This document is intended only as a guide to the appropriate precautionary handling of the material by a properly trained person using this product. Individuals receiving the information must exercise their independent judgment in determining its appropriateness for a particular purpose. Aurochemicals makes no representations or warranties, either expressed or implied, including without limitation any warranties of merchantability, fitness for a particular purpose with respect to the information set forth herein or the product to which the information refers. Accordingly, Aurochemicals will not be responsible, nor held liable, for damages resulting from use of or reliance upon this information.

Issued by:	Contact Person:
Aurochemicals	Deo N. Persaud
7 Nicoll Street	8/16/2022
Washingtonville, NY 10992 USA	