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

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

2.2 GHS Label Elements, Including precautionary statements
Pictogram: None
Signal Statement: None
Hazard Statement(s): None
Precautionary Statement(s): None

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

Formula: C₆H₈O₂
Molecular Weight: 112.13 g/mol
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: ACCIDENTIAL 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.
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
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
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
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
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 This product does not contain any chemicals known to State of California to cause cancer, birth defects, or any other reproductive harm.
New Jersey Right to Know components
California Prop. 65 components
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.

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