# Mother of Pearl

Safety Data Sheet

according to the Hazard Communication Standard (CFR29 1910.1200) HazCom 2012.
Issue date: 12/9/2024 Revision date: 12/9/2024 Version: 1.0

## SECTION 1: Identification

### 1.1. Identification

Product form : Mixture
Product name : Mother of Pearl

### 1.2. Recommended use and restrictions on use

Use of the substance/mixture : Ceramic Decoration

### 1.3. Supplier

**Supplier**
ClayPeople Inc.
623 South 32nd St.,
Richmond, CA 94804
USA
T 510-236-1492 - F 510-236-2777
people@claypeople.net - https://claypeople.net/

### 1.4. Emergency telephone number

Emergency telephone number : 510 236 1492 ( 9am – 5pm Monday to Friday , 10am – 4pm Saturday PST)
Poison Control Center's number (1-800-222-1222)

## SECTION 2: Hazard(s) identification

### 2.1. Classification of the substance or mixture

**GHS US classification**

| | |
|---|---|
| Flam. Liq. 4 | Combustible liquid |
| Skin Irrit. 2 | Causes skin irritation |
| Eye Dam. 1 | Causes serious eye damage |
| STOT SE 2 | May cause damage to organs (lungs) (Inhalation) |
| STOT SE 3 | May cause respiratory irritation |

### 2.2. GHS Label elements, including precautionary statements

**GHS US labeling**

Hazard pictograms (GHS US) :

Signal word (GHS US) : Danger
Hazard statements (GHS US) : Combustible liquid
Causes skin irritation
Causes serious eye damage
May cause respiratory irritation
May cause damage to organs (lungs) (Inhalation)
Precautionary statements (GHS US) : Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
Do not breathe dust/fume/gas/mist/vapors/spray.
Wash hands, forearms and face thoroughly after handling.
Do not eat, drink or smoke when using this product.
Use only outdoors or in a well-ventilated area.
Wear protective gloves/protective clothing/eye protection/face protection.

If exposed or concerned: Call a poison center or doctor.
If on skin: Wash with plenty of water.
Take off contaminated clothing and wash it before reuse.
If skin irritation occurs: Get medical advice/attention.
If inhaled: Remove person to fresh air and keep comfortable for breathing.
Call a poison center or doctor if you feel unwell.
IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
Immediately call a poison center or doctor.
Store in a well-ventilated place. Keep container tightly closed.
Store locked up.
Dispose of contents/container to hazardous or special waste collection point, in accordance with local, regional, national and/or international regulation.

### 2.3. Other hazards which do not result in classification

No additional information available

### 2.4. Unknown acute toxicity (GHS US)

Not applicable

## SECTION 3: Composition/Information on ingredients

### 3.1. Substances

Not applicable

### 3.2. Mixtures

| Name | Product identifier | % |
|---|---|---|
| Cyclohexanol | CAS-No.: 108-93-0 | 10 – 25 |
| Camphor | CAS-No.: 76-22-2 | 10 – 25 |

*Chemical name, CAS number and/or exact concentration have been withheld as a trade secret

## SECTION 4: First-aid measures

### 4.1. Description of first aid measures

First-aid measures general : IF exposed or concerned: Call a POISON CENTER or doctor/physician.

First-aid measures after inhalation : If inhaled: Remove person to fresh air and keep comfortable for breathing. Call a POISON CENTER or doctor/physician if you feel unwell.

First-aid measures after skin contact : IF ON SKIN: Wash with plenty of water. Take off contaminated clothing and wash it before reuse. If skin irritation occurs: Get medical advice/attention.

First-aid measures after eye contact : IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a poison center or doctor/physician.

First-aid measures after ingestion : Do not induce vomiting without medical advice. Never give anything by mouth to an unconscious person. Get medical advice/attention if you feel unwell.

### 4.2. Most important symptoms and effects (acute and delayed)

Symptoms/effects : May cause damage to organs (lungs, Inhalation).

Symptoms/effects after inhalation : May cause irritation to the respiratory tract.

Symptoms/effects after skin contact : Causes skin irritation. Symptoms may include redness, drying, defatting and cracking of the skin.

Symptoms/effects after eye contact : Causes serious eye damage. Symptoms may include discomfort or pain, excess blinking and tear production, with marked redness and swelling of the conjunctiva. May cause burns.

Symptoms/effects after ingestion : May be harmful if swallowed. May cause gastrointestinal irritation, nausea, vomiting and diarrhea.

### 4.3. Immediate medical attention and special treatment, if necessary

Symptoms may be delayed. In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible).

## SECTION 5: Fire-fighting measures

### 5.1. Suitable (and unsuitable) extinguishing media

Suitable extinguishing media : Use extinguishing media appropriate for surrounding fire.
Unsuitable extinguishing media : Do not use water jet.

### 5.2. Specific hazards arising from the chemical

Fire hazard : Combustible liquid. Products of combustion may include, and are not limited to: oxides of carbon. Irritating vapors.

### 5.3. Special protective equipment and precautions for fire-fighters

Firefighting instructions : Move containers away from the fire area if this can be done without risk. Cool closed containers exposed to fire with water spray.
Protection during firefighting : Keep upwind of fire. Wear full fire fighting turn-out gear (full Bunker gear) and respiratory protection (SCBA).

## SECTION 6: Accidental release measures

### 6.1. Personal precautions, protective equipment and emergency procedures

General measures : Use personal protection recommended in Section 8. Isolate the hazard area and deny entry to unnecessary and unprotected personnel. Use special care to avoid static electric charges.

#### 6.1.1. For non-emergency personnel

No additional information available

#### 6.1.2. For emergency responders

No additional information available

### 6.2. Environmental precautions

Prevent entry to sewers and public waters.

### 6.3. Methods and material for containment and cleaning up

For containment : Stop leak if safe to do so. Remove ignition sources. Absorb and/or contain spill with inert material (sand, vermiculite or other appropriate material), then place in suitable container. Do not flush into surface water or sewer system. Wear recommended personal protective equipment.
Methods for cleaning up : Sweep or shovel spills into appropriate container for disposal. Provide ventilation.

### 6.4. Reference to other sections

For further information refer to section 8: "Exposure controls/personal protection".

## SECTION 7: Handling and storage

### 7.1. Precautions for safe handling

Precautions for safe handling : Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.Do not swallow. Handle and open container with care. When using do not eat, drink or smoke. Do not get in eyes, on skin, or on clothing. Do not breathe dust, fume, gas, mist, spray, vapors. Use only outdoors or in a well-ventilated area.

Hygiene measures : Wash contaminated clothing before reuse. Wash hands, forearms and face thoroughly after handling.

### 7.2. Conditions for safe storage, including any incompatibilities

Storage conditions : Keep out of the reach of children. Keep container tightly closed. Store in a dry, cool and well-ventilated place. Keep cool. Store locked up.

## SECTION 8: Exposure controls/personal protection

### 8.1. Control parameters

| **Cyclohexanol (108-93-0)** | |
|---|---|
| **USA - ACGIH - Occupational Exposure Limits** | |
| ACGIH OEL TWA | 50 ppm |
| ACGIH chemical category | Skin - potential significant contribution to overall exposure by the cutaneous route |
| **USA - ACGIH - Biological Exposure Indices** | |
| BEI (BLV) | Parameter: 1,2-Cyclohexanediol with hydrolysis - Medium: urine - Sampling time: end of shift at end of workweek (nonquantitative, nonspecific)<br>Parameter: Cyclohexanol with hydrolysis - Medium: urine - Sampling time: end of shift (nonquantitative, nonspecific) |
| **USA - OSHA - Occupational Exposure Limits** | |
| OSHA PEL TWA | 200 mg/m³ |
| OSHA PEL TWA | 50 ppm |
| **USA - IDLH - Occupational Exposure Limits** | |
| IDLH | 400 ppm |
| **USA - NIOSH - Occupational Exposure Limits** | |
| NIOSH REL (TWA) | 200 mg/m³ |
| NIOSH REL (TWA) | 50 ppm |
| US-NIOSH chemical category | SK: SYS-DIR(IRR) Oct 2020 |

| **Camphor (76-22-2)** | |
|---|---|
| **USA - ACGIH - Occupational Exposure Limits** | |
| ACGIH OEL TWA | 2 ppm (synthetic) |
| ACGIH OEL STEL | 3 ppm (synthetic) |
| ACGIH chemical category | Not Classifiable as a Human Carcinogen synthetic |
| **USA - OSHA - Occupational Exposure Limits** | |
| OSHA PEL TWA | 2 mg/m³ |

| Camphor (76-22-2) | |
|---|---|
| **USA - IDLH - Occupational Exposure Limits** | |
| IDLH | 200 mg/m³ (synthetic) |
| **USA - NIOSH - Occupational Exposure Limits** | |
| NIOSH REL (TWA) | 2 mg/m³ (synthetic) |

### 8.2. Appropriate engineering controls

Appropriate engineering controls : Ensure good ventilation of the work station. Provide readily accessible eye wash stations and safety showers.

Environmental exposure controls : Avoid release to the environment.

### 8.3. Individual protection measures/Personal protective equipment

**Hand protection:**

Wear suitable gloves resistant to chemical penetration. Consult glove manufacturer's product information on material suitability and material thickness.

**Eye protection:**

Wear eye/face protection

**Skin and body protection:**

Wear suitable protective clothing

**Respiratory protection:**

In case of insufficient ventilation, wear suitable respiratory equipment. Respirator selection must be based on known or anticipated exposure levels, the hazards of the product and the safe working limits of the selected respirator. SDSs cannot provide detailed and complete respiratory protection guidelines. Selection of respiratory protection must be done by a qualified person who has assessed the work environment.

**Other information:**

Handle in accordance with good industrial hygiene and safety procedures. Do not eat, drink or smoke when using this product.

## SECTION 9: Physical and chemical properties

### 9.1. Information on basic physical and chemical properties

| | | |
|---|---|---|
| Physical state | : | Liquid |
| Color | : | Yellow |
| Odor | : | Aromatic |
| Odor threshold | : | No data available |
| pH | : | Product is non-polar/aprotic. |
| Melting point | : | < 10 °C (< 50 °F) |
| Freezing point | : | < 10 °C (< 50 °F) |
| Boiling point | : | > 100 °C (> 212 °F) |
| Flash point | : | No data available |
| Relative evaporation rate (butyl acetate=1) | : | No data available |
| Flammability (solid, gas) | : | Combustible liquid. |
| Vapor pressure | : | No data available |
| Relative vapor density at 20°C | : | No data available |
| Density | : | 0.85 – 1.1 g/cm$^3$ |
| Relative density | : | 0.98 |
| Solubility | : | Insoluble in water |
| Partition coefficient n-octanol/water | : | No data available |
| Auto-ignition temperature | : | No data available |
| Decomposition temperature | : | No data available |
| Viscosity, kinematic | : | 60 mm$^2$/s @ 30 °C (86 °F) |

Viscosity, dynamic : No data available
Explosion limits : Lower explosion limit: 64 vol %
Upper explosion limit: 70 vol %
Explosive properties : No data available
Oxidizing properties : No data available

### 9.2. Other information

No additional information available

## SECTION 10: Stability and reactivity

### 10.1. Reactivity

No dangerous reactions known under normal conditions of use.

### 10.2. Chemical stability

Stable under normal conditions. May form flammable/explosive vapor-air mixture.

### 10.3. Possibility of hazardous reactions

No dangerous reactions known under normal conditions of use.

### 10.4. Conditions to avoid

Heat. Sources of ignition. Incompatible materials.

### 10.5. Incompatible materials

Strong oxidizers.

### 10.6. Hazardous decomposition products

May include, and are not limited to: oxides of carbon. May release flammable gases. Irritating vapours

## SECTION 11: Toxicological information

### 11.1. Information on toxicological effects

Acute toxicity (oral) : Not classified
Acute toxicity (dermal) : Not classified
Acute toxicity (inhalation) : Not classified

| Cyclohexanol (108-93-0) | |
|---|---|
| LD50 oral rat | 2.06 g/kg (Source: JAPAN_GHS) |
| LD50 dermal rabbit | 501 – 794 mg/kg (Source: EPA_HPV) |
| LC50 inhalation rat | > 3.63 mg/l/4h |

| Camphor (76-22-2) | |
|---|---|
| LD50 oral | 1310 mg/kg body weight Animal: mouse, Guideline: OECD Guideline 420 (Acute Oral Toxicity - Fixed Dose Method) |
| LD50 dermal rat | > 2000 mg/kg (Source: ECHA_API) |
| LC50 inhalation rat | 0.5 mg/l air Animal: rat, Guideline: OECD Guideline 403 (Acute Inhalation Toxicity) |

Skin corrosion/irritation : Causes skin irritation.
Serious eye damage/irritation : Causes serious eye damage.
Respiratory or skin sensitization : Not classified

Germ cell mutagenicity : Not classified
Carcinogenicity : Not classified
Reproductive toxicity : Not classified
STOT-single exposure : May cause damage to organs (lungs) (Inhalation). May cause respiratory irritation.

| Cyclohexanol (108-93-0) | |
|---|---|
| STOT-single exposure | May cause respiratory irritation. |

| Camphor (76-22-2) | |
|---|---|
| STOT-single exposure | May cause damage to organs (lungs) (Inhalation). |

STOT-repeated exposure : Not classified

| Cyclohexanol (108-93-0) | |
|---|---|
| NOAEL (oral,rat,90 days) | 143 mg/kg body weight Animal: rat, Guideline: OECD Guideline 408 (Repeated Dose 90-Day Oral Toxicity Study in Rodents) |
| NOAEC (inhalation,rat,vapor,90 days) | 2.0072 mg/l air Animal: rat, Guideline: other: |

| Camphor (76-22-2) | |
|---|---|
| NOAEL (oral,rat,90 days) | 3.2 mg/kg body weight Animal: rat, Guideline: OECD Guideline 408 (Repeated Dose 90-Day Oral Toxicity Study in Rodents) |
| NOAEL (dermal,rat/rabbit,90 days) | 250 mg/kg body weight Animal: rat, Guideline: other:Food and Drug Administration (FDA) Good Laboratory Practice Regulations for Nonclinical Studies (GLP Guidelines) |

Aspiration hazard : Not classified
Viscosity, kinematic : No data available
Symptoms/effects : May cause damage to organs (lungs, Inhalation).
Symptoms/effects after inhalation : May cause irritation to the respiratory tract.
Symptoms/effects after skin contact : Causes skin irritation. Symptoms may include redness, drying, defatting and cracking of the skin.
Symptoms/effects after eye contact : Causes serious eye damage. Symptoms may include discomfort or pain, excess blinking and tear production, with marked redness and swelling of the conjunctiva. May cause burns.
Symptoms/effects after ingestion : May be harmful if swallowed. May cause gastrointestinal irritation, nausea, vomiting and diarrhea.
Other information : Likely routes of exposure: ingestion, inhalation, skin and eye.

## SECTION 12: Ecological information

### 12.1. Toxicity

Ecology - general : May cause long-term adverse effects in the aquatic environment.

| Cyclohexanol (108-93-0) | |
|---|---|
| LC50 - Fish [1] | 704 mg/l (Exposure time: 96 h - Species: Pimephales promelas [flow-through] Source: EPA) |
| EC50 - Crustacea [1] | 17 mg/l Test organisms (species): Daphnia magna |
| LC50 - Fish [2] | 1033 mg/l (Exposure time: 96 h - Species: Pimephales promelas [static] Source: EPA) |
| EC50 72h - Algae [1] | 29.2 mg/l (Species: Desmodesmus subspicatus) |
| EC50 96h - Algae [1] | 29 mg/l (Species: Desmodesmus subspicatus) |
| NOEC (chronic) | 0.953 mg/l Test organisms (species): Daphnia magna Duration: '21 d' |

| Camphor (76-22-2) | |
|---|---|
| LC50 - Fish [1] | 35 – 50 mg/l Test organisms (species): Danio rerio (previous name: Brachydanio rerio) |
| EC50 - Crustacea [1] | 4.23 mg/l Test organisms (species): Daphnia magna |

| Camphor (76-22-2) | |
|---|---|
| LC50 - Fish [2] | 110 mg/l Test organisms (species): Pimephales promelas |
| EC50 72h - Algae [1] | 0.3 mg/l Test organisms (species): Raphidocelis subcapitata (previous names: Pseudokirchneriella subcapitata, Selenastrum capricornutum) |
| EC50 72h - Algae [2] | 1.71 mg/l Test organisms (species): Raphidocelis subcapitata (previous names: Pseudokirchneriella subcapitata, Selenastrum capricornutum) |
| EC50 96h - Algae [1] | 6.951 mg/l Test organisms (species): |

### 12.2. Persistence and degradability

| Mother of Pearl | |
|---|---|
| Persistence and degradability | Not established. |

| Cyclohexanol (108-93-0) | |
|---|---|
| Persistence and degradability | Rapidly degradable |

| Camphor (76-22-2) | |
|---|---|
| Persistence and degradability | Rapidly degradable |

### 12.3. Bioaccumulative potential

| Mother of Pearl | |
|---|---|
| Bioaccumulative potential | Not established. |

| Cyclohexanol (108-93-0) | |
|---|---|
| Partition coefficient n-octanol/water | 1.25 (at 25 °C (at pH 7) |

| Camphor (76-22-2) | |
|---|---|
| Partition coefficient n-octanol/water | 2.414 (at 25 °C) |

### 12.4. Mobility in soil

No additional information available

### 12.5. Other adverse effects

Other information : No other effects known.

## SECTION 13: Disposal considerations

### 13.1. Disposal methods

Product/Packaging disposal recommendations : Dispose of contents/container to hazardous or special waste collection point, in accordance with local, regional, national and/or international regulation.

Additional information : Handle empty containers with care because residual vapors are flammable.

## SECTION 14: Transport information

In accordance with DOT

### 14.1. UN number

UN-No.(DOT) : NA1993

### 14.2. UN proper shipping name

Proper Shipping Name (DOT) : Combustible liquid, n.o.s. (Cyclohexanol)

### 14.3. Transport hazard class(es)

**DOT**
Transport hazard class(es) (DOT) : Combustible liquid

### 14.4. Packing group

Packing group (DOT) : III

### 14.5. Environmental hazards

Other information : No supplementary information available.

### 14.6. Special precautions for user

Special transport precautions : Do not handle until all safety precautions have been read and understood.

**DOT**

| | | |
|---|---|---|
| UN-No.(DOT) | : | NA1993 |
| DOT Special Provisions (49 CFR 172.102) | : | 148 - For domestic transportation, this entry directs to § 173.66 for: a. The standards for transporting a single bulk hazardous material for blasting by cargo tank motor vehicles (CTMV); and b. The standards for CTMVs capable of transporting multiple hazardous materials for blasting in bulk and non-bulk packagings (i.e, a multipurpose bulk truck (MBT)).<br>IB3 - Authorized IBCs: Metal (31A, 31B and 31N); Rigid plastics (31H1 and 31H2); Composite (31HZ1 and 31HA2, 31HB2, 31HN2, 31HD2 and 31HH2). Additional Requirement: Only liquids with a vapor pressure less than or equal to 110 kPa at 50 C (1.1 bar at 122 F), or 130 kPa at 55 C (1.3 bar at 131 F) are authorized, except for UN2672 (also see Special Provision IP8 in Table 2 for UN2672).<br>T1 - 1.5 178.274(d)(2) Normal..... 178.275(d)(2)<br>TP1 - The maximum degree of filling must not exceed the degree of filling determined by the following: Degree of filling = 97 / 1 + a (tr - tf) Where: tr is the maximum mean bulk temperature during transport, and tf is the temperature in degrees celsius of the liquid during filling. |
| DOT Packaging Exceptions (49 CFR 173.xxx) | : | 150 |
| DOT Packaging Non Bulk (49 CFR 173.xxx) | : | 203 |
| DOT Packaging Bulk (49 CFR 173.xxx) | : | 241 |
| DOT Quantity Limitations Passenger aircraft/rail (49 CFR 173.27) | : | 60 L |
| DOT Quantity Limitations Cargo aircraft only (49 CFR 175.75) | : | 220 L |
| DOT Vessel Stowage Location | : | A - The material may be stowed ‘‘on deck’’ or ‘‘under deck’’ on a cargo vessel and on a passenger vessel. |

### 14.7. Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

Not applicable

## SECTION 15: Regulatory information

### 15.1. US Federal regulations

All components of this product are listed, or excluded from listing, on the United States Environmental Protection Agency Toxic Substances Control Act (TSCA) inventory.

### 15.2. International regulations

No additional information available

### 15.3. US State regulations

California Proposition 65 - This product does not contain any substances known to the state of California to cause cancer, developmental and/or reproductive harm

| Component | State or local regulations |
|---|---|
| Cyclohexanol(108-93-0) | U.S. - New Jersey - Right to Know Hazardous Substance List; U.S. - Pennsylvania - RTK (Right to Know) List; U.S. - Massachusetts - Right To Know List |
| Camphor(76-22-2) | U.S. - New Jersey - Right to Know Hazardous Substance List; U.S. - Pennsylvania - RTK (Right to Know) List; U.S. - Massachusetts - Right To Know List |

## SECTION 16: Other information

according to the Hazard Communication Standard (CFR29 1910.1200) HazCom 2012.

Issue date : 12/9/2024
Revision date : 12/9/2024
Other information : None.
Prepared by : Nexreg Compliance Inc.
www.Nexreg.com

| Full text of hazard classes and H-statements | |
|---|---|
| Eye Dam. 1 | Serious eye damage/eye irritation Category 1 |
| Flam. Liq. 4 | Flammable liquids Category 4 |
| Skin Irrit. 2 | Skin corrosion/irritation Category 2 |
| STOT SE 2 | Specific target organ toxicity (single exposure) Category 2 |
| STOT SE 3 | Specific target organ toxicity – Single exposure, Category 3, Respiratory tract irritation |

Safety Data Sheet (SDS), USA - Nexreg 2023