

Safety Data Sheet


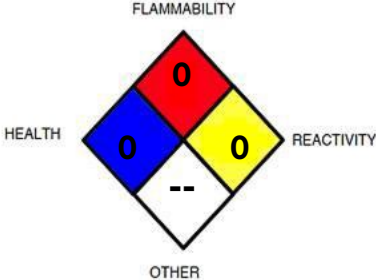
Section 1: Product & Company Identification

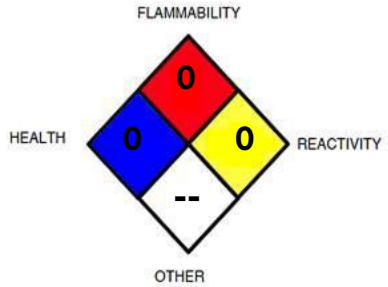
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| Product Name: | CHAPSO |
| Product #: | C-1461 |
| Synonyms: | Cholamidopropyl)dimethylammonio]-2-hydroxy-1-propanesulfonate |
| Supplier: | AG Scientific Holdings, LLC 9950 Scripps Lake Drive, Suite 104 San Diego, CA 92131 Tele# + 858-452-9925 |
| Emergency Tele#: | ChemTel, Tele# in USA 1-800-255-3924, International 1-813-248-0585 |

Section 2: Composition / Information on Ingredients

| Component | CAS# | EC # | % Composition |
|-----------|------------|------|---------------|
| CHAPSO | 82473-24-3 | - | ≥ 98 |

Section 3: Hazards Identification

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| Symbols |  |
| HMIS Classification | <p style="text-align: center;">FLAMMABILITY</p>  <p style="text-align: center;">OTHER</p> |

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| NFPA Classification |  <p style="text-align: center;">FLAMMABILITY HEALTH REACTIVITY OTHER</p> |
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Section 4: First Aid Measures

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| General Overview: | May cause eye irritation. May cause skin irritation. |
| Inhalation: | If inhaled, remove to fresh air. If not breathing give artificial respiration. If breathing is difficult, give oxygen. |
| Skin: | In case of contact, immediately flush eyes or skin with copious amounts of water for at least 15 minutes while removing contaminated clothing and shoes. |
| Eyes: | Assure adequate flushing of the eyes by separating the eyelids with fingers. |
| Ingestion: | If swallowed, wash out mouth with water provided person is conscious. Call a contaminated clothing before reuse. |
| | See section 11 for more detailed information on health effects & symptoms. |

SECTION 5: Fire Fighting Measures

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| Flammability of the product: | No data available |
| Extinguishing Media: | Water spray, carbon dioxide, dry chemical powder, alcohol or polymer foam. |
| Hazardous thermal (de)composition products: | No data available |
| Special Fire Fighting Procedures: | Wear self-contained breathing apparatus and protective clothing to prevent contact with skin and eyes. |
| Flash Point: | No data available |





Section 6: Accidental Release Measures

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| Personal Precautions: | Wear self-contained breathing apparatus, rubber boots, and heavy rubber gloves. |
| Environmental Precautions: | No data available |
| Methods for Clean-up: | Sweep up, place in a bag and hold for waste disposal. Ventilate area and wash spill site after material pickup is complete. |

SECTION 7: Handling & Storage

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| Storage: | Keep in a tightly closed container, store in a cool, dry ventilated place. Isolate from any source of heat or ignition. Store at room temperature. |
| Handling: | Avoid all contact and inhalation of dust, mists, and/or vapors associated with the material. Wash thoroughly after handling. |

SECTION 8: Exposure controls / Personal Protection

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| Respiratory Protection: |  <p>For conditions of use where exposure to the dust or mist is apparent, a half-face dust/mist respirator may be worn. For emergencies or instances where the exposure levels are not known, use a full-face positive-pressure, air supplied respirator.</p> |
| Skin and Body: |   <p>Wear gloves. Wear boots and protective clothing.</p> |
| Eyes: |  <p>Wear goggles or a face shield.</p> |
| Ventilation/Engineering Measures: | Ensure adequate ventilation. |
| Hygiene: | Handle in accordance with good industrial hygiene and safety practice. |
| Other: | N/A |

SECTION 9: Physical and Chemical Properties

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| Appearance & Odor: | White crystalline powder |
| Formula | C ₃₂ H ₅₈ N ₂ O ₈ S |
| Molecular Wt. | 630.88 |
| Melting Pt. | 184-186°C |
| Boiling Pt. | No data available |
| Density: | No data available |
| Vapor Pressure: | No data available |
| Evaporation Rate: | No data available |
| Vapor Density: | No data available |
| Solubility: | Water |
| Flash Point: | No data available |
| Autoignition Temp: | No data available |

SECTION 10: Stability and Reactivity

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| Stability: | Stable under recommended storage conditions. |
| Hazardous decomposition products: | Carbon monoxide, Carbon dioxide, Nitrogen oxides, Sulfur oxides |
| Materials to Avoid: | Strong oxidizing agents |
| Conditions to avoid: | No data available |

SECTION 11: Toxicological Information

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| RTECS#: | N/A |
| ACUTE Toxicity: | N/A |
| CHRONIC Toxicity: | N/A |
| Chronic Exposure: Carcinogen: Mutagen: Teratogen: Reproductive: | <p>IARC: No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible, or confirmed human carcinogen by IARC.</p> <p>AGGIH: No component of this product present at levels greater than or equal to 0.1% is identified as probable, potential human carcinogen by ACGIH.</p> <p>NTP: No component of this product present at levels greater than or equal to 0.1% is identified as known or anticipated human carcinogen by NTP.</p> <p>OSHA: No component of this product present at levels greater than or equal to 0.1% is identified as known or potential human carcinogen by OSHA.</p> <p>EPA: No classification on carcinogenic data is available from EPA</p> |

SECTION 12: Ecological Information

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| Ecotoxicity: | No data available |
| Mobility: | No data available |
| Persistence and degradability: | No data available |
| Bioaccumulative potential: | No data available |
| Other adverse effects: | No data available |
| Corrosivity Characteristic: | No data available |
| General Notes: | To the best of our knowledge, the chemical, physical and toxicological properties have not been thoroughly investigated. |

SECTION 13: Disposal Considerations

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| Residue Waste or Unused product: | Dissolve or mix the material with a combustible solvent and burn in a chemical incinerator equipped with an afterburner and scrubber. Observe all federal, state, and local regulations. |
| Contaminated Packaging: | Do not reuse container. |

SECTION 14: Transportation Information

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| UN ID#: | N/A |
| ADR / RID (LAND): | Not regulated |
| DOT regulations: | Not regulated |
| IMDG/IMO (SEA): | Not regulated |
| IATA/DGR (AIR): | Not regulated |
| Special Provisions: | N/A |

SECTION 15: Regulatory Information

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| Health Phrases: | Not hazardous |
| Risk Phrases: | N/A |
| Safety Phrases: | N/A |
| EU Regulations: | N/A |
| US Regulations: | TSCA: Not listed California Proposition 65: No products were found |
| U.S. Federal Regulations: | SARA 302/304 emergency planning and notification: No products were found. SARA 311/312 MSDS distribution-chemical inventory-hazard identification: No products were found. |

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| | <p>SARA 313 toxic chemicals notification and release reporting: No products were found.</p> <p>Clean Water Act (CWA) 307: No products were found. Clean Water Act (CWA) 311: No products were found. Clean Air Act (CAA) 112 accidental release prevention: No products were found. Clean Air Act (CAA) 112 regulated flammable substances: No products were found. Clean Air Act (CAA) 112 regulated toxic substances: No products were found. OSHA: No products were found.</p> |
| WHMIS (Canada): | N/A |

SECTION 16: Other Information

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