




Material Safety Data Sheet

| Section 1: Product and Company Identification | | | |
|---|--------------------|--------------------|--------------|
| Product Name | Phenol Red | | |
| Catalogue Number: | ASC-1005 | CAS Number: | 143-74-8 |
| E-mail: | Sales@ausamics.com | Website: | Ausamics.com |

| Section 2: Hazards Identification | |
|--|---|
| Classification: This chemical is considered hazardous by the 2012 OSHA Hazard Communication Standard (29 CFR 1910.1200) | |
| Skin Corrosion/Irritation | Category 2 |
| Serious Eye Damage/Eye Irritation | Category 2 |
| Specific target organ toxicity (single exposure) | Category 3 |
| Target Organs | Respiratory system |
| Label Elements | |
| Signal Word | Warning  |
| Hazard Statements | Causes skin irritation Causes serious eye irritation May cause respiratory irritation |
| Precautionary Statements Prevention | Wash face, hands and any exposed skin thoroughly after handling. Wear protective gloves/protective clothing/eye protection/face protection. Avoid breathing dust / fumes / gas / mist / vapors / spray. Use only outdoors or in a well-ventilated area. |
| Inhalation | IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing. Call a POISON CENTER or doctor/physician if you feel unwell. |
| Skin | IF ON SKIN: Wash with plenty of soap and water. If skin irritation occurs: Get medical advice/attention. Take off contaminated clothing and wash before reuse. |
| Eyes | IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention. |
| Storage | Store in a well-ventilated place. Keep container tightly closed. Store locked up. |



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| Disposal | Dispose of contents/container to an approved waste disposal plant. |
| Hazards not otherwise classified (HNOC) | None identified |

Section 3: Composition / Information on Ingredients

| Component | CAS No | Weight % |
|------------------|---------------|-----------------|
| Phenol red | 143-74-8 | 100 |

Section 4: First Aid Measures

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| Eye Contact | Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Get medical attention. |
| Skin Contact | Wash off immediately with plenty of water for at least 15 minutes. Get medical attention if symptoms occur. |
| Inhalation | Remove to fresh air. If breathing is difficult, give oxygen. Get medical attention if symptoms occur. |
| Ingestion | Do NOT induce vomiting. Get medical attention. |
| Most important symptoms and effects | No information available. |
| Notes to Physician | Treat symptomatically |

Section 5: Firefighting Measures

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| Suitable Extinguishing Media | Water spray, carbon dioxide (CO ₂), dry chemical, alcohol-resistant foam. |
| Unsuitable Extinguishing Media | No information available |
| Flash Point | No information available |
| Autoignition Temperature | No information available |
| Explosion Limits Upper Lower Sensitivity to Mechanical Impact Sensitivity to Static Discharge | No data available No data available No information available No information available |
| Specific Hazards Arising from the Chemical | Thermal decomposition can lead to the release of irritating gases and vapors. Keep product and empty container away from heat and sources of ignition. |
| Hazardous Combustion Products | Carbon monoxide (CO). Carbon dioxide (CO ₂). Sulfur oxides. |
| Protective Equipment and Precautions for Firefighters | As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear. |
| NFPA | |



| Health | Flammability | Instability | Physical hazards |
|--------|--------------|-------------|------------------|
| 2 | 1 | 0 | N/A |

Section 6: Accidental Release Measures

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| Personal Precautions | Use personal protective equipment as required. Ensure adequate ventilation. Avoid dust formation. Avoid contact with skin, eyes or clothing. |
| Environmental Precautions | Avoid release to the environment. |
| Methods for Containment and Clean Up | Sweep up and shovel into suitable containers for disposal. Avoid dust formation. |

Section 7: Handling and storage

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| Handling | Wear personal protective equipment/face protection. Ensure adequate ventilation. Avoid dust formation. Avoid contact with skin, eyes or clothing. Avoid ingestion and inhalation. |
| Storage | Keep containers tightly closed in a dry, cool and well-ventilated place. Incompatible Materials. Strong oxidizing agents. |

Section 8: Exposure Controls / Personal Protection

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| Exposure Guidelines | This product does not contain any hazardous materials with occupational exposure. Limits established by the region-specific regulatory bodies. |
| Engineering Measures | Ensure adequate ventilation, especially in confined areas. Ensure that eyewash stations and safety showers are close to the workstation location. |
| Personal Protective Equipment | |
| Eye/face Protection | Wear appropriate protective eyeglasses or chemical safety goggles as described by OSHA's eye and face protection regulations in 29 CFR 1910.133 or European Standard EN166. |
| Skin and body protection | Wear appropriate protective gloves and clothing to prevent skin exposure. |
| Respiratory Protection | Follow the OSHA respirator regulations found in 29 CFR 1910.134 or European Standard EN 149. Use a NIOSH/MSHA or European Standard EN 149 approved respirators if exposure limits are exceeded or if irritation or other symptoms are experienced. |
| Hygiene Measures | Handle in accordance with good industrial hygiene and safety practice. |

Section 9: Physical and Chemical Properties

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| Physical State | Powder Solid |
| Appearance | Red brown |
| Odor | Odorless |
| Odor Threshold | No information available |



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| pH | No information available |
| Melting Point/Range | > 300 °C / 572 °F |
| Boiling Point/Range | No information available |
| Flash Point | No information available |
| Evaporation Rate | Not applicable |
| Flammability (solid, gas) | No information available |
| Flammability or explosive limits Upper Lower | No data available No data available |
| Vapor Pressure | No information available |
| Vapor Density | Not applicable |
| Specific Gravity | No information available |
| Solubility | 0.77 g/l |
| Partition coefficient; n-octanol/water | No data available |
| Autoignition Temperature | No information available |
| Decomposition Temperature | No information available |
| Viscosity | Not applicable |
| Molecular Formula | C ₁₉ H ₁₄ O ₅ S |
| Molecular Weight | 354.38 |

| Section 10: stability and Reactivity | |
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| Reactive Hazard | None known, based on information available |
| Stability | Stable under normal conditions. |
| Conditions to Avoid | Avoid dust formation. Incompatible products. Exposure to light. Excess heat. |
| Incompatible Materials | Strong oxidizing agents |
| Hazardous Decomposition Products | Carbon monoxide (CO), Carbon dioxide (CO ₂), Sulfur oxides |
| Hazardous Polymerization | Hazardous polymerization does not occur. |
| Hazardous Reactions | None under normal processing. |



| Section 11: Toxicological Information | | | | | | |
|---|---------------|--|------------|--------------|-------------|---------------|
| Acute Toxicity Product Information Component Information | | No acute toxicity information is available for this product. | | | | |
| Toxicologically Synergistic Products | | No information available | | | | |
| Delayed and immediate effects as well as chronic effects from short and long-term exposure | | | | | | |
| Irritation | | Irritating to eyes, respiratory system and skin | | | | |
| Sensitization | | No information available | | | | |
| Carcinogenicity | | The table below indicates whether each agency has listed any ingredient as a carcinogen. | | | | |
| Component | CAS No | IARC | NTP | ACGIH | OSHA | Mexico |
| Phenol red | 143-74-8 | Not listed | Not listed | Not listed | Not listed | Not listed |
| Mutagenic Effects | | No information available | | | | |
| Reproductive Effects | | No information available. | | | | |
| Developmental Effects | | No information available. | | | | |
| Teratogenicity | | No information available. | | | | |
| STOT - single exposure | | Respiratory system | | | | |
| STOT - repeated exposure | | None known | | | | |
| Aspiration hazard | | No information available | | | | |
| Symptoms / effects, both acute and delayed | | No information available | | | | |
| Endocrine Disruptor Information | | No information available | | | | |
| Other Adverse Effects | | The toxicological properties have not been fully investigated. See actual entry in RTECS for complete information. | | | | |

| Section 12: Ecological Information | |
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| Ecotoxicity | Do not empty into drains. |
| Persistence and Degradability | Soluble in water Persistence is unlikely based on information available. |
| Bioaccumulation/ Accumulation | No information available. |
| Mobility | Will likely be mobile in the environment due to its water solubility. |



| Section 13: Disposal Consideration | |
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| Waste Disposal Methods | Chemical waste generators must determine whether a discarded chemical is classified as hazardous waste. Chemical waste generators must also consult local, regional, and national hazardous waste regulations to ensure complete and accurate classification. |

| Section 14: Transport Information | |
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| DOT | Not regulated |
| TDG | Not regulated |
| IATA | Not regulated |
| IMDG/IMO | Not regulated |

| Section 15: Regulatory Information | | | | | | | | | | |
|--|---------------|-------------|--|---------------|------------------------------------|-------------|-------------|-------------|--------------|-------------|
| United States of America Inventory | | | | | | | | | | |
| Component | CAS No | TSCA | TSCA Inventory notification - Active-Inactive | | TSCA - EPA Regulatory Flags | | | | | |
| Phenol red | 143-74-8 | X | ACTIVE | | - | | | | | |
| Legend: TSCA US EPA (TSCA) - Toxic Substances Control Act, (40 CFR Part 710) X - Listed '-' - Not Listed | | | | | | | | | | |
| TSCA 12(b) - Notices of Export | | | | | Not applicable | | | | | |
| International Inventories | | | | | | | | | | |
| Canada (DSL/NDSL), Europe (EINECS/ELINCS/NLP), Philippines (PICCS), Japan (ENCS), Japan (ISHL), Australia (AICS), China (IECSC), Korea (KECL). | | | | | | | | | | |
| Component | CAS No | DSL | NDSL | EINECS | PICCS | ENCS | ISHL | AICS | IECSC | KECL |
| Phenol red | 143-74-8 | X | - | 205-609-7 | X | X | X | X | X | KE-02748 |
| U.S. Federal Regulations | | | | | | | | | | |
| SARA 313 | | | | | Not applicable | | | | | |
| SARA 311/312 Hazard Categories | | | | | See section 2 for more information | | | | | |
| CWA (Clean Water Act) | | | | | Not applicable | | | | | |



| Clean Air Act | Not applicable | | | | |
|--|---|---|--|----------------------------|--|
| OSHA - Occupational Safety and Health Administration | Not applicable | | | | |
| CERCLA | Not applicable | | | | |
| California Proposition 65 | This product does not contain any Proposition 65 chemicals. | | | | |
| U.S. State Right-to-Know Regulations | Not applicable | | | | |
| U.S. Department of Transportation | | | | | |
| Reportable Quantity (RQ) | N | | | | |
| DOT Marine Pollutant | N | | | | |
| DOT Severe Marine Pollutant | N | | | | |
| U.S. Department of Homeland Security | This product does not contain any DHS chemicals. | | | | |
| Other International Regulations | | | | | |
| Mexico - Grade | No information available | | | | |
| Authorization /Restrictions according to EU REACH | | | | | |
| Safety, health, and environmental regulations/legislation specific for the substance or mixture | | | | | |
| Component | CAS No | OECD HPV | Persistent Organic Pollutant | Ozone Depletion Potential | Restriction of Hazardous Substances (RoHS) |
| Phenol red | 143-74-8 | Not applicable | Not applicable | Not applicable | Not applicable |
| Component | CAS No | Seveso III Directive (2012/18/EC) - Qualifying Quantities for Major Accident Notification | Seveso III Directive (2012/18/EC) - Qualifying Quantities for Safety Report Requirements | Rotterdam Convention (PIC) | Basel Convention (Hazardous Waste) |
| Phenol red | 143-74-8 | Not applicable | Not applicable | Not applicable | Not applicable |
| Section 16: Additional Notes | | | | | |
| Documented By | Ausamics Life Science Sales@Ausamics.com | | | | |



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| Revision date | June 03, 2023 |
| Summary of Revisions | This document has been revised to meet the requirements of the US OSHA HazCom 2012 Standard, which supersedes the existing regulations outlined in 29 CFR 1910.1200, in order to align with the internationally recognized globally Harmonized System of Classification and Labeling of chemicals (GHS). |
| Disclaimer | The information presented in this Safety Data sheet is accurate to the best of our knowledge, information, and belief at the time of publication. It is intended as a guide for the safe handling, use, processing, storage, transportation, disposal, and release of specific materials. However, it should be interpreted as a warranty or quality specification. The provided information pertains solely to the designated material and may not be applicable to its use in combination with other materials or in any process, unless explicitly stated in the text. |