


Material Safety Data Sheet

Section 1 – Product and Company Identification

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| Chemical Name | 5-Methoxy-2-mercaptobenzimidazole |
| Chemical Formula | C ₈ H ₈ N ₂ OS |
| Company Identification | Showa Kako Corporation 18-23 Yoshino-cho, Suita City Osaka pref., 564-0054 JAPAN |
| Telephone Number | +81-6-6384-1501 |
| 24-hour Emergency Telephone Number | +81-6-6384-1501 |
| Fax Number | +81-6-6384-2287 |

Section 2 – Hazards Identification

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| Inhalation | Dust from the product, if present, may cause respiratory information following an excessive inhalation exposure. |
| Skin | May produce skin Irritation. |
| Eyes | May cause eye Irritation. |
| Ingestion | Not expected to present a significant ingestion hazards under anticipated condition of normal use. |
| GHS Classification (Contained solvent) | |
| Physical Hazards | |
| Explosives | Not applicable |
| Flammable gases | Not classified |
| Flammable aerosols | Not applicable |
| Oxidizing gases | Not classified |
| Gases under pressure | Not classified |
| Flammable liquids | Not classified |
| Flammable solids | Not applicable |
| Self-reactive substances and mixtures | Not classified |
| Pyrophoric liquids | Not classified |
| Pyrophoric solids | Not applicable |
| Self-heating substances and mixtures | Not classified |
| Substances and mixtures, which in contact with water, emit flammable gases | Not classified |
| Oxidizing liquids | Not applicable |
| Oxidizing solids | Not classified |
| Organic peroxides | Not classified |
| Corrosive to metals | Not classified |
| Health Hazards | |
| Acute toxicity (oral) | Not classified |
| Acute toxicity (dermal) | Not classified |
| Acute toxicity (inhalation: gas) | Not classified |
| Acute toxicity (inhalation: vapour) | Not classified |
| Acute toxicity (inhalation: dust, mist) | Not classified |
| Skin corrosion / irritation | Category 2 |
| Serious eye damage / eye irritation <input type="checkbox"/> | Category 2A |
| Respiratory/skin sensitizer | Not classified |
| Germ cell mutagenicity | Not classified |

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| Carcinogenicity | Not classified |
| Toxic to reproduction | Not classified |
| Specific target organs/systemic toxicity following single exposure | Not classified |
| Specific target organs/systemic toxicity following repeated exposure | Not classified |
| Aspiration hazard | Not classified |
| Environmental Hazards | |
| Hazardous to the aquatic environment (acute) | Not classified |
| Hazardous to the aquatic environment (chronic) | Not classified |
| GHS Symbol |  GHS07 |
| Signal word | Warning |
| Hazard statements | |
| H315 | Causes skin irritation |
| H319 | Causes serious eye irritation |
| Precautionary Statements | |
| P264 | Wash hand and face, etc. thoroughly after handling. |
| P280 | Wear protective gloves/protective clothing/eye protection/face protection. |
| Response Statements | |
| P302+P352 | IF ON SKIN: Wash with plenty of soap and water. |
| P332+P313 | If skin irritation occurs: Get medical advice/attention. |
| P362 | Take off contaminated clothing and wash before reuse. |
| P305+P351+P338 | IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. |
| P337+P313 | If eye irritation persists: Get medical advice/attention. |
| Storage Statements | None |
| Disposal Statements | None |

Section 3 – Composition / Information on Ingredients

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|----------------------|-----------------------------------|
| Chemical Name | 5-Methoxy-2-mercaptobenzimidazole |
| CAS # | 37052-78-1 |
| UN # | Not applicable |

Section 4 – First Aid Measures

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| Eyes | Immediately flush eyes with copious amounts of water for at least 15 minutes, occasionally lifting the upper and lower eyelids. Consult with ophthalmologist. |
| Skin | Flush skin with plenty of water for at least 15 minutes while removing contaminated clothing and shoes. Wash clothing before reuse. Consult with a physician if symptoms occur. |
| Ingestion | Immediately wash mouth with plenty of water and give 1 – 2 cupfuls of milk or water if victim is conscious and alert. Consult with a physician. |

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| Inhalation | Remove to fresh air, wash out nasal aperture and mouth with plenty of water. If breathing is difficult, give artificial respiration. If not breathing, give oxygen. Consult with a physician. |
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Section 5 – Fire Fighting Measures

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| Flash Point | No data found | |
| Autoignition | None | |
| Explosion Limits | Lower | No data found |
| | Upper | No data found |
| Extinguishing Media | Water, powder, carbon dioxide, foam | |
| Fire Fighting Instructions | Avoid non-fire fighting equipped personnel to enter. Extinguish upwind from the fire wearing appropriate protective gear. | |

Section 6 – Accidental Release Measures

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| Spills/Leaks | Evacuate spill area. Provide adequate ventilation. Wear self-contained breathing apparatus, rubber boots and heavy rubber gloves. Sweep up, place in a bag and hold for waste disposal. Avoid raising dust. Do not contact with skin. Do not inhale. Wash spill site after material pickup is complete. |
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Section 7 – Handling and Storage

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| Handling | Wear appropriate protective gear. Do not contact with eyes, skin and on clothing. Do not inhale. Handle with care. Wash mouth and hand after handling the material. |
| Storage | Keep container tightly closed. Avoid such conditions as direct sunlight and high piling. Store in low-humid, low-temperature area. |

Section 8 – Exposure Controls / Personal Protection

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| Engineering Controls | Facilities storing or utilizing the material should be equipped with an eye wash facilities and a safety shower. Use adequate ventilation to keep airborne concentrations low. |
| Exposure Limits | Not data found |
| Personal Protective Equipment | |
| Eyes | Safety goggles |
| Skin | Rubber gloves |
| Clothing | Protective clothing and rubber boots |
| Respirators | Anti-dust mask |

Section 9 – Physical and Chemical Properties

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| Physical State | Powder |
| Appearance | Slightly beige – pale yellowish brown powder |
| Odor | Stench |
| Boiling point | No data found |
| Melting point | 263 – 264°C |
| Density | No data found |
| Viscosity | No data found |
| pH | No data found |
| Flash Point | No data found |

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| Autoignition | No data found |
| Explosibility | No data found |
| Vapor Pressure | No data found |
| Vapor Density | No data found |
| Solubility | Insoluble in water |

Section 10 – Stability and Reactivity

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| Stability | Stable under normal temperatures and conditions |
| Conditions to avoid | Direct sunlight, high temperature, high humidity and high piling |
| Incompatibilities with Other Material | Strong oxidizing agents |
| Hazardous Decomposition Products | Toxic gases of carbon monoxide, nitrogen oxides, etc. |
| Hazardous Polymerization | Will not occur |

Section 11 – Toxicological Information

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| RTECS # | No data found |
| LD50/LC50 | No data found |
| Carcinogenicity | No data found |
| Mutagenicity | No data found |
| Reproductive Effects | No data found |
| Teratogenicity | No data found |
| Immunology | No data found |
| Irritation | No data found |

Section 12 – Ecological Information

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| Ecotoxicity | No data found |
| Environmental Standard | No data found |

Section 13 – Disposal Consideration

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| Disposal Method | Federal (national), state or local laws and regulations will determine the proper waste disposal method. |
| Regulations | Federal (national), state or local laws and regulations |

Section 14 – Transport Information

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| Shipping Name | Not applicable |
| Hazard Class | Not applicable |
| UN # | Not applicable |
| Packing Group | Not applicable |

Section 15 – Regulatory Information

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| United States | TSCA | No data found |
| EC | EINECS | 253-326-2 |
| | R Phrases | R36/37/38 Irritating to eyes, respiratory system and skin. |
| | S Phrases | S26 In case of contact with eyes, rinse immediately with plenty of water and seek medical advice. S37 Wear suitable gloves. |
| Canada | WHMIS | No data found |

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| Japan | PRTR Law | Not on the list |
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Section 16 – Other Information

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| MSDS Creation Date | October 09, 2002 |
| Revised Date | March 31, 2014 |
| Revised No. | Revised 4th |
| MSDS No. | G1044 |

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