

Sodium Molybdate

SAFETY DATA SHEET

Section 1: SUBSTANCE IDENTIFICATION AND SUPPLIER

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| Product Name: | Sodium Molybdate |
| Other names: | Sodium Molybdate, Dihydrate |
| Chemical formula: | $\text{Na}_2\text{Mo}(\text{O}_2)_2$ |
| Recommended Use: | Fertiliser |
| Company Identification: | Ravensdown Fertiliser Co-operative Limited |
| Address: | 312 Main South Road PO Box 1049 Christchurch |
| Customer Centre: | 0800 100 123 |
| National Poisons Information Centre: | 0800 POISON (0800 764 766) |
| Emergency Telephone Number: | 0800 CHEMCALL (0800 243 622) (24hr) (Emergencies Only) |
| Transport Emergency Phone: | 111 - tell operator what service is needed: Fire, Ambulance, Police |

Section 2: HAZARD IDENTIFICATION

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| Statement of Hazardous Nature: | Classified as hazardous according to criteria in the HS (Minimum Degrees of Hazard) Regulations 2001 |
| Hazard Classifications: | 6.1E |
| Priority Identifiers: | KEEP OUT OF REACH OF CHILDREN |
| Secondary Identifiers: | 6.1E = May be fatal if swallowed and enters airways. |



WARNING

Section 3: COMPOSITION INFORMATION

| INGREDIENTS | CAS No. | CONTENT |
|-----------------------------|------------|---------|
| Sodium Molybdate, Dihydrate | 10102-40-6 | 100% |

Section 4: FIRST AID MEASURES

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| First Aid Measures: | Consult the National Poisons Centre on 0800 POISON (0800 764 766) or a doctor immediately in every case of suspected poisoning. |
| Inhalation: | Remove to fresh air and keep at rest in a position comfortable for breathing. Seek medical assistance if effects persist |
| Ingestion: | Never give anything by mouth to an unconscious person. If swallowed rinse mouth. Do NOT induce vomiting. Seek medical advice |
| Skin: | Wash affected area with water then soap and water |
| Eye: | Rinse cautiously with water for several minutes, holding eyelids open if necessary. Remove contact lenses if present and easy to do. Continue rinsing. Seek medical advice. |
| Advice to Doctor: | Treat symptomatically. |

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Section 5: FIRE FIGHTING MEASURES

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| Flash Point: | N/A (Non-flammable) |
| Combustion Products: | None noted |
| Extinguishing Media: | Based on surrounding materials |
| Protective Equipment: | Breathing apparatus goggles and protective gloves |
| HAZCHEM Code: | None allocated. |

Section 6: ACCIDENTAL RELEASE MEASURES

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| Spills and Disposal: | Protect yourself and others from injury. Wear appropriate protective clothing. Contain spill and sweep up. Collect and place in sealable containers. Avoid generating dust. Reuse or recycle where possible. |
| Protective Clothing: | For appropriate personal protective equipment see section 8. |
| Environmental | Avoid unintended release of excessive amounts into waterways or sewers. |

Section 7: HANDLING AND STORAGE

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| Handling: | Avoid generating dusts. Do not breathe the dust. Use only outdoors or in a well-ventilated area. Approved Handler: Not required Tracking: Not required Record Keeping: Not required |
| Storage: | Store in sealed packaging in cool, dry area |
| Other Information: | Keep out of the reach of children. Do not eat, drink or smoke when using this product. Wash hands thoroughly after handling. Avoid unintended release into the environment. |

Section 8: EXPOSURE CONTROL/PERSONAL PROTECTION

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| Exposure Limits: | Workplace Exposure Standards (WES): Molybdenum, as Mo Soluble compounds 5mg.m ⁻³ Insoluble compounds 10mg.m ⁻³ |
| Tolerable Exposure Limit(TEL) | Not Assigned |
| Protective Equipment: | Overalls, safety glasses and impermeable gloves. If dust is present wear dust mask and goggles. Eye wash facilities should be available. |
| Engineering Controls: | Handle in well ventilated area. If dust generated use local extraction to control. Avoid inhalation of dust. |
| Hygiene Precautions: | Remove protective clothing and wash hands and face after working with substance. |

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Section 9: PHYSICAL AND CHEMICAL PROPERTIES

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| Appearance: | White crystalline powder |
| Odour: | None |
| Specific Gravity: | 3.28g.cm |
| Bulk Density: | 1000kg/m ³ |
| pH: | 9 (20°C) |
| Solubility in Water: | 840g/L (20°C) |
| Flash Point: | N/A |
| Thermal Decomposition: | 130°C |
| Melting Point | 687°C |
| Other Information: | None |

Section 10: STABILITY AND REACTIVITY

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| Stability: | Stable under normal conditions of use and storage. |
| Hazardous Polymerisation: | Will not occur. |
| Hazardous Decomposition Products: | Toxic metal fumes when heated. |
| Conditions to Avoid: | Moisture, heat ignition sources. |
| Materials to Avoid: | Alkali metals eg sodium and lithium, oxidising materials |

Section 11: TOXICOLOGICAL INFORMATION

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| ERMA Classifications: | 61.E |
| Ingestion: | Moderate toxicity due to solubility. Causes nausea and vomiting. Large doses may cause anaemia and liver and kidney effects. |
| Inhalation: | Irritation of the respiratory tract, coughing, shortness of breath. |
| Skin: | Can be irritating to skin, may cause a rash on wet skin. |
| Eye: | Irritating to the eyes. |
| Other Information: | Short term exposure by all routes is considered toxic. |
| Toxicity Data: | LD ₅₀ (dermal, rat) >2000mg.kg ⁻¹ LD ₅₀ (oral, rat) 4233mg. kg ⁻¹ |

Section 12: ECOLOGICAL INFORMATION

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| ERMA Classifications: | Not assigned |
| Ecotoxicity: | Avoid washing excessive amounts and unintended release into streams and waterways. |

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Section 13: DISPOSAL INFORMATION

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| Product Disposal: | Reuse or recycle where possible. If practicable apply excess fertiliser at recommended rates to appropriate land. Collection into sealable containers and dispose of in an approved land fill. Observe any local authority restrictions that may apply. |
| Container Disposal: | Rinse containers thoroughly prior to reuse. Otherwise render unusable and dispose of as a hazardous waste. |

Section 14: TRANSPORT INFORMATION

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| UN Number: | None Allocated. |
| Proper Shipping Name: | None Allocated. |
| DG Class: | None Allocated. |
| Other Information: | Not regulated for transport purposes. |

Section 15: REGULATORY INFORMATION

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| ERMA: | Approved pursuant to the HSNO Act 1996, Approval number HSR004076 See www.erna.govt.nz for approval controls. |
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Section 16: OTHER INFORMATION

This SDS supersedes all previous versions and was reviewed to include HSNO requirements.

The data in this SDS relates only to the specific material designated herein and does not relate to use in combination with any other material. The information is provided in good faith based on current knowledge and experience. No warranty with regard to the product properties is expressed or implied.