

Sodium Molybdate

UPDATED 16 April 2019

Section 1: SUBSTANCE IDENTIFICATION AND SUPPLIER

Product Name:	Sodium Molybdate
Other Names:	Sodium Molybdate, Dihydrate
Chemical Formula:	Na ₂ MoO ₄ ·2H ₂ O
Product Code:	0001110
Recommended Use:	Fertiliser
Company Identification:	Ravensdown Fertiliser Co-operative Limited
Address:	312 Main South Road, Hornby, Christchurch 8042 PO Box 1049, Christchurch 8011
Customer Centre:	0800 100 123
National Poisons Information Centre:	0800 POISON (0800 764 766)
Emergency Phone Number:	0800 CHEMCALL (0800 243 622) (24hr) (Emergencies Only)
Transport Emergency Phone Number:	111 - tell operator what service is needed: Fire, Ambulance or Police

Section 2: HAZARD IDENTIFICATION

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



Section 3: COMPOSITION INFORMATION

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

Section 4: FIRST AID MEASURES

First Aid Measures:	IF SKIN IRRITATION OCCURS: get medical attention/advice. Consult the National Poisons Centre on 0800 POISON (0800 764 766) or a doctor immediately in every case of suspected poisoning
Inhalation:	Remove patient to fresh air. Keep at rest in comfortable position 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.

Section 5: FIRE FIGHTING MEASURES

Flash Point:	N/A (Non-flammable)
Hazardous 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

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. If spill does enter waterway contact local authority.

Section 7: HANDLING AND STORAGE

Handling:	Avoid generating dusts, do not breathe 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.
Precautionary Statements:	Keep out of reach of children. Wash hands thoroughly after handling. Do not eat, drink or smoke when using this product. Avoid unintended release to the environment.

Section 8: EXPOSURE CONTROL/PERSONAL PROTECTION

Exposure Limits:	Workplace Exposure Standards (WES): Molydenum, as Mo <div style="text-align: right; margin-left: 150px;">Soluble compounds 5mg.m⁻³</div> <div style="text-align: right; margin-left: 150px;">Insoluble compounds 10mg.m⁻³</div> Total Exposure Limit (TEL): Not assigned
Protective Equipment:	Overalls, safety glasses and gloves. If dust is present wear a dust mask and goggles. Eye wash facilities should be available.
Engineering Controls:	Handle in well-ventilation 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.

Section 9: PHYSICAL AND CHEMICAL PROPERTIES

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

Section 10: STABILITY AND REACTIVITY

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

Hazard Classifications:	6.1E
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. May cause coughing, shortness of breath
Skin:	Irritation. 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

Hazard Classifications:	Not assigned.
Ecotoxicity:	Avoid washing excessive amounts into streams and waterways.

Section 13: DISPOSAL INFORMATION

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

Section 14: TRANSPORT INFORMATION

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

Section 15: REGULATORY INFORMATION

Exposure Limits:	(see sections 8 & 12)
EPA:	Approved pursuant to the HSNO Act 1996, Approval number HSR004076.
See www.epa.govt.nz for approval controls.	

Section 16: OTHER INFORMATION

This Safety Data Sheet was updated on the date shown and supersedes all previous versions.

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.