

MATERIAL SAFETY DATA SHEET

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Product Name: **SEALXPERT[®] MOLY MICRO POWDER**

MSDS no: 189

Revision no: 5

Issue Date: 1 Feb 2016

Section 1 – Company Details

Company Name: SealXpert™ Products

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Section 2 – Composition

INGREDIENTS	CAS NO.	%	EXPOSURE LIMITS
Molybdenum sulfide	1317-33-5	97	N/A

Section 3 – Hazardous Identification

Hazard: Not hazardous

Precautionary statement: Do not breathe dust.

Section 4 – Emergency and First Aid Response

No data available.

Section 5 – Fire and Explosion Hazard Data

Suitable extinguishing media: On large fires use dry chemical, foam or water spray (fog). On small fires use carbon dioxide (CO₂), dry chemical or water spray. Water can be used to cool fire exposed containers.

Specific hazards during fire-fighting: Avoid the formation of dust clouds which may ignite or explode. Take precautionary measures against static discharge.

Hazardous products **combustion** Carbon oxides, Metal oxides. Sulphur oxides

Specific methods: **extinguishing** Thermal breakdown of this product during fire or very high heat conditions may evolve the following decomposition products: Sulphur products. Carbon oxides and traces of incompletely burned carbon compounds.

Special protective equipment for firefighters: A self-contained respirator and protective clothing should be worn. Determine the need to evacuate or isolate the area according to your local emergency plan. Use water spray to keep fire exposed containers cool..

Section 6 – Accidental Release Measures

Personal precautions, protective equipment and emergency procedures: Wear proper protective equipment.

Environmental precautions : Do not allow large quantities to enter drains or surface waters..

Methods for cleaning up : Eliminate all possible sources of ignition. Determine the need to evacuate or isolate the area according to your local emergency plan. Pick up with an industrial vacuum cleaner.

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Section 7 – Handling and Storage

Handling : Local ventilation is required. Do not breathe dust. Avoid skin and eye contact.
Do not empty into drains.

Storage : Do not store with oxidizing agents. Take precautionary measures against static discharge.

Storage temperature: minimum 0 °C, maximum 40 °C

Section 8 – Exposure Controls / Personal Protection

Respiratory protection: A dust mask should be worn if the product is used in large quantities, confined spaces or in other circumstances where the OEL may be approached or exceeded.
The choice of a filter type depends on the amount and type of chemical being handled in the workplace.

Hand protection: Chemical protective gloves should be worn where repeated or prolonged contact can occur:

Hygiene measures: Exercise good industrial hygiene practice. Wash after handling, especially before eating, drinking or smoking.

Eye Protection: Safety goggles should be worn.

Skin Protection : Protective equipment is not normally necessary.

Additional Information : These precautions are for room temperature handling. Use at elevated temperature or aerosol/spray applications may require added precautions.

Section 9 – Physical and Chemical Characteristics

Form	Fine Powder
Colour :	Black
Odour :	None
Explosive properties :	N/A
Specific Gravity :	4.8
Oxidizing properties	N/A

Section 10 – Stability and Reactivity

Stability : Stable under normal usage conditions.

Condition to Avoid : None established.

Hazardous Decomposition products: None known.

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Section 11 – Toxicological Information

Acute toxicity:

- On contact with eyes Mechanical irritation of the eyes is possible.
- On skin contact : Contact with dust can cause mechanical irritation or drying of the skin.
- If inhaled : Inhalation of dust may cause a sore throat and cough.
- On ingestion : Small amounts transferred to the mouth by fingers during use should not injure.

Chronic toxicity:

- On skin contact : Prolonged or repeated contact may dry skin and cause irritation.
- If inhaled : Prolonged or repeated inhalation may cause shortness of breath, tightness of the chest, a sore throat and cough.
- On ingestion : Small amounts transferred to the mouth by fingers during use should not injure.

Section 12 – Ecological Information

- Ecotoxicity No adverse effects on aquatic organisms are predicted.
- Persistence and degradability Solid material, insoluble in water. No adverse effects are predicted.

Section 13 – Disposal Considerations

Waste Disposal: The generation of waste should be avoided or minimized wherever possible. Dispose of surplus and non-recyclable products via a licensed waste disposal contractor. Disposal of this product, solutions and any by-products should at all times comply with the requirements of environmental protection and waste disposal legislation and any regional and local authority requirements. Avoid disposal of spilled material and runoff and contact with soil, waterways, drains and sewers. Dispose of contaminated containers, soils, etc. in compliance with the requirements of environmental protection and waste disposal legislation and any regional and local authority requirements.

Section 14 – Transportation Information

Transportation: Not classified as Dangerous Goods and can be transported by Road, Rail and Air. The item is not restricted or not regulated as per IATA

Section 15 – Regulatory Information

Regulation: Observe the governmental or local regulations to use the chemical product safely.

Section 16 – Other Information

This data sheet completes the technical notices but does not supersede them. The information contained in it is grounded to the statement of our knowledge of the product concerned at the publishing date.

Moreover, user's attention should be drawn on the possible risks incurred when a product is used for other purposes than those for which it has been designed. It does not stop in any case the user knowing and following the whole regulatory texts related to his activity. He will be the sole responsible of the precautions related to the use of the products he knows.

The aim of the whole regulatory prescriptions mentioned is to help the receiver to fulfill his duties when using the product. This list must not be considered as exhaustive. It does not stop the user from making sure that he complies with the written obligations other than those previously cited and which rule the fact of keeping and using the product for which he is the sole responsible person.