

# MATERIAL SAFETY DATA SHEET

Page 1 of 3

Product Name: **SEALXPERT<sup>®</sup> MOLY Z POWDER**  
MSDS No: 170                      Revision No: 0

Issued by: Yogesh  
Issue Date: 15 October 2015

## Section 1 – Company Details

**Company Name:** SealXpert Products  
**Address:** 60 Kaki Bukit Place #09-11 Eunos Techpark  
Singapore 415979

**Tel:** +65 6742 4992/6742 4998  
**Fax:** +65 6749 6916  
**Email:** mailbox@sealxpert.com

## Section 2 – Composition

Chemical characterization: Metal sulphide

Ingredient	CAS NO.	Content (Wt%)
Molybdenum sulfide	1317-33-5	98.0

## Section 3 – Hazardous Identification

Not hazardous.

Precautionary statements:                      Do not breathe dust.

## Section 4 – First Aid Measures

Eye contact:                      Flush with water.  
Skin contact:                      Flush with water.  
Inhalation:                        Remove to fresh air.  
Ingestion:                         No first aid should be needed.

## Section 5 – Fire Fighting Measures

Suitable extinguishing media:                      On large fires use dry chemical, foam or water spray (fog). On small fires use carbon dioxide (CO<sub>2</sub>), dry chemical or water spray. Water can be used to cool fire exposed containers.

Unsuitable extinguishing media:                      None known.

Hazards during firefighting:                        Avoid the formation of dust clouds which may ignite or explode. Take precautionary measures against static discharge.

Hazardous Combustion Products:                      Thermal breakdown of this product during fire or very high heat conditions may evolve the following decomposition products: Sulphur products.

Special protective equipment/procedures:                      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

Personnel precautions:                      Wear proper protective equipment.

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

Cleanup measures:                              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.

# MATERIAL SAFETY DATA SHEET

Page 2 of 3

Product Name: **SEALXPERT<sup>®</sup> MOLY Z POWDER**  
MSDS No: 170

Revision No: 0

Issued by: Yogesh  
Issue Date: 15 October 2015

## 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: Store in a cool, dry, well ventilated area away from sources of heat and incompatible materials. Keep container tightly closed when not in use. Do not store with oxidizing agents. Take precautionary measures against static discharge.

Hygiene practices: Wash thoroughly after handling.

## Section 8 – Exposure Controls / Personal Protection

Eye protection: Safety goggles should be worn.

Skin protection: Chemical protective gloves should be worn where repeated or prolonged contact can occur: Silver shield(TM). 4H(TM).

Respiratory system 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.

## Section 9 – Physical and Chemical Characteristics

Form : Fine Powder  
Color : Charcoal gray  
Odor : None  
Explosive properties : No  
Specific Gravity : 4.8  
Oxidizing properties : No

## Section 10 – Stability and Reactivity

Reactivity: None known.

Stability: Stable under normal usage conditions.

Possibility of hazardous reactions: None known.

Conditions to avoid: None established.

Materials to avoid: Can react with strong oxidizing agents.

Hazardous decomposition products: Thermal breakdown of this product during fire or very high heat conditions may evolve the following decomposition products: Sulphur products.

## 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.

# MATERIAL SAFETY DATA SHEET

Page 3 of 3

Product Name: **SEALXPERT<sup>®</sup> MOLY Z POWDER**  
MSDS No: 170

Revision No: 0

Issued by: Yogesh  
Issue Date: 15 October 2015

## Section 12 – Ecological Information

Eco toxicity effects:	No adverse effects on aquatic organisms are predicted.
Persistence and degradability:	Solid material, insoluble in water. No adverse effects are predicted.
Bioaccumulation:	No bioaccumulation potential.
Release to waters / Mobility in soil:	
Fate and effects in waste water treatment plants:	No adverse effects on bacteria are predicted.

## Section 13 – Disposal Considerations

Special instructions: Observe all federal, state and local laws and regulations.

## Section 14 – Transportation Information

Transportation: Not classified as Dangerous Goods according to Singapore Code for Transport of Dangerous Goods by Road, Rail and Air.

## Section 15 – Regulatory Information

Observe the governmental or local regulations to use the product safely.

## Section 16 – Other Information

Discard contaminated clothing immediately. Maintain clean equipment and work areas. Avoid inhalation of fumes. Wipe up spills immediately.

### Warning to users:

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.