

MATERIAL SAFETY DATA SHEET

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Product Name: **SEALXPERT[®] MOLY 1000 ANTI-SEIZE COMPOUND**
MSDS No: 167

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

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Section 2 – Composition

Ingredient	CAS NO.	Content (Wt%)
Calcium fluoride	7789-75-5	15.0-35.0
Heavy petroleum distillate	64742-65-0	< 21.0
Paraffin petroleum distillate	64742-56-9	< 21.0
Molybdenum disulphide	1317-33-5	10.0-30.0
Copper	7440-50-8	7.0-13.0
Silicon dioxide	7631-86-9	< 5.0

Section 3 – Hazardous Identification

Potential health effects:

Eye: Direct contact may cause mild irritation.
Skin: May cause mild irritation.
Inhalation: Fumes may irritate nose and throat.
Ingestion: May cause vomiting.

Prolonged/Repeated exposure effects:

Skin: Repeated or prolonged contact may cause defatting and drying of skin which may result in skin irritation and dermatitis.
Inhalation: No known applicable information.
Ingestion: Overexposure by ingestion may injure the following organ(s): Liver. Kidneys.

Signs/Symptoms of overexposure: No known applicable information.
Medical conditions aggravated by exposure: No known applicable information.

The above listed potential effects of overexposure are based on actual data, results of studies performed upon similar compositions, component data and/or expert review of the product. Please refer to Section 11 for the detailed toxicology information.

Section 4 – First Aid Measures

Eye contact: Immediately flush the contaminated eye(s) with lukewarm, gently flowing water for 5 minutes while holding the eyelid(s) open. Obtain medical attention.

Skin contact: Remove contaminated clothing, shoes and leather goods (e.g. watchbands, belts). Quickly and gently blot or brush away excess chemical. Flush with lukewarm gently flowing water for 15 minutes. If irritation persists, repeat flushing. If irritation persists, obtain medical advice.

Inhalation: If symptoms are experienced remove source of contamination or move victim to fresh air. Obtain medical attention.

Ingestion: Never give anything by mouth if victim is rapidly losing consciousness or convulsing. DO NOT INDUCE VOMITING. Have victim drink 2 to 8 oz. (60 to 240 mL) of water. If vomiting occurs naturally, have victim lean forward to reduce the risk of aspiration. Have victim rinse mouth with water again. If irritation persists, obtain medical advice.

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Section 5 – Fire Fighting Measures

Flash point:	Not applicable.
Auto ignition temperature:	Not determined.
Flammability limits in air:	Not determined.
Extinguishing media:	On large fires use dry chemical, foam or water spray. On small fires use carbon dioxide (CO ₂), dry chemical or water spray. Water can be used to cool fire exposed containers.
Firefighting measures:	Self-contained breathing apparatus and protective clothing should be worn in fighting large fires involving chemicals. Determine the need to evacuate or isolate the area according to your local emergency plan. Use water spray to keep fire exposed containers cool.
Unusual fire hazards:	None.

Section 6 – Accidental Release Measures

Containment/Clean up:	Observe all personal protection equipment recommendations described in Sections 5 and 8. Wipe up or scrape up and contain for salvage or disposal. Clean area as appropriate since spilled materials, even in small quantities, may present a slip hazard. Final cleaning may require use of steam, solvents or detergents. Dispose of saturated absorbent or cleaning materials appropriately, since spontaneous heating may occur. Local, state and federal laws and regulations may apply to releases and disposal of this material, as well as those materials and items employed in the cleanup of releases. You will need to determine which federal, state and local laws and regulations are applicable.
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Section 7 – Handling and Storage

Handling:	Use with adequate ventilation. Avoid eye contact. Avoid skin contact. Avoid breathing fumes.
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 in reactive metal containers. Keep away from acids, oxidizers.
Hygiene practices:	Wash thoroughly after handling.

Section 8 – Exposure Controls / Personal Protection

Eye protection:	Wear safety glasses or vented safety goggles.
Skin protection:	Wash at mealtime and end of shift. Contaminated clothing and shoes should be removed as soon as practical and thoroughly cleaned before reuse. Chemical protective gloves are recommended.
Respiratory system protection:	Use a respirator, unless there is fine ventilation equipment.

Section 9 – Physical and Chemical Characteristics

Physical form:	Paste
Color:	Brown
Odor:	Slight odor
Specific gravity @ 25°C:	1.26
Viscosity:	Not determined.
Freezing/Melting point:	Not determined.
Boiling point:	Not determined.
Vapor pressure @ 25°C:	Not determined.
Vapor density:	Not determined.
Solubility in water:	Not determined.
pH:	Not determined.
Volatile content:	Not determined.
Flash point:	Not applicable.
Auto ignition temperature:	Not determined.
Flammability limits in air:	Not determined.

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Section 10 – Stability and Reactivity

Stability:	Stable under normal temperatures and pressures
Hazardous polymer:	Hazardous polymerization will not occur.
Conditions to avoid:	None.
Materials to avoid:	Oxidizing material can cause a reaction.
Hazardous decomposition products:	Thermal breakdown of this product during fire or very high heat conditions may evolve the following decomposition products: Carbon oxides and traces of incompletely burned carbon compounds. Metal oxides. Fluorine compounds. Formaldehyde. Silicon dioxide. Nitrogen oxides.

Section 11 – Toxicological Information

Component toxicology information:	Inhalation of fumes may result in metal fume fever, a flu-like illness with symptoms of metallic taste, fever and chills, aches, chest tightness, and cough. Long term exposure to fluorides can cause fluorosis with bone changes, mottled teeth, weight loss and anemia.
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Section 12 – Ecological Information

Environmental effect and distribution:	Data not available.
Environmental influence:	Data not available.
Biology accumulation:	Data not available.

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.
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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.