



MADE IN HOLLAND

## Moldax MoS2 Xtra

Revision date 10-Mar-2013

Version 1

### Section 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

#### 1.1. Product identifier

Product name Moldax MoS2 Xtra

#### 1.2. Relevant identified uses of the substance or mixture and uses advised against

Recommended use Lubricating grease

#### 1.3. Details of the supplier of the safety data sheet

Rymax b.v.  
Delweg 8  
6902 PJ Zevenaar  
The Netherlands

tel: +31 (0) 316-740856

For further information, please contact  
info@rymax-lubricants.com

#### 1.4. Emergency telephone number

Emergency telephone +31 (0) 316-740856  
(Monday to Friday: 8:00 - 17:00)

Emergency telephone - §45 - (EC)1272/2008

Europe 112

### Section 2: HAZARDS IDENTIFICATION

#### 2.1. Classification of the substance or mixture

Classification according to Regulation (EC) No. 1272/2008 [CLP]

This mixture is classified as not hazardous according to regulation (EC) 1272/2008 [GHS]

Classification according to Directive 67/548/EEC or 1999/45/EC

R phrases This mixture is classified as not hazardous according to regulation 1999/45/EC

#### 2.2. Label elements

This mixture is classified as not hazardous according to regulation (EC) 1272/2008 [GHS]

Symbols/Pictograms None

Signal word None

### 2.3. Other hazards

No information available

## Section 3: COMPOSITION/INFORMATION ON INGREDIENTS

### 3.2. Mixtures

This mixture is classified as not hazardous according to regulation (EC) 1272/2008 [GHS]

#### **Ingredient comments**

This product is a lithium grease based on mineral oil with additives. The mineral oils in the product contain <3% DMSO extract(IP 346).

Full text of R-phrases: see section 16

Full text of H- and EUH-phrases: see section 16

## Section 4: FIRST AID MEASURES

### 4.1. Description of first aid measures

Inhalation	Move to fresh air in case of accidental inhalation of vapors.
Skin contact	Wash with soap and water.
Eye contact	Rinse thoroughly with plenty of water, also under the eyelids.
Ingestion	Do NOT induce vomiting. IF SWALLOWED: Call a POISON CENTER or doctor if you feel unwell.

### 4.2. Most important symptoms and effects, both acute and delayed

Symptoms None known

### 4.3. Indication of any immediate medical attention and special treatment needed

Note to physicians Treat symptomatically.

## Section 5: FIREFIGHTING MEASURES

### 5.1. Extinguishing media

#### **Suitable extinguishing media**

Use CO2, dry chemical, or foam.

#### **Unsuitable extinguishing media**

Do not use a solid water stream as it may scatter and spread fire.

### 5.2. Special hazards arising from the substance or mixture

Not flammable. Fire may produce irritating and/or toxic gases.

**5.3. Advice for firefighters**

In the event of fire and/or explosion do not breathe fumes.

**Section 6: ACCIDENTAL RELEASE MEASURES**

**6.1. Personal precautions, protective equipment and emergency procedures**

**Personal precautions**

Extremely slippery when spilled.

**For emergency responders**

Use personal protection recommended in Section 8.

**6.2. Environmental precautions**

Prevent further leakage or spillage if safe to do so.

**6.3. Methods and material for containment and cleaning up**

**Methods for cleaning up**

Take up with sand or other non-combustible absorbent material and place into containers for later disposal.

**6.4. Reference to other sections**

**Other information**

See Section 12: ECOLOGICAL INFORMATION.

**Section 7: HANDLING AND STORAGE**

**7.1. Precautions for safe handling**

**Advice on safe handling**

Extremely slippery when spilled.

**General hygiene considerations**

Handle in accordance with good industrial hygiene and safety practice. Avoid prolonged or repeated contact with skin.

**7.2. Conditions for safe storage, including any incompatibilities**

**Storage conditions**

Keep containers tightly closed in a cool, well-ventilated place. Keep at a temperature not exceeding 45°C. Keep away from heat, sparks and open flame.

**7.3. Specific end use(s)**

**Risk management methods**

The information required is contained in this Safety Data Sheet.

**Section 8: EXPOSURE CONTROLS/PERSONAL PROTECTION**

**8.1. Control parameters**

**Derived No Effect Level (DNEL)** No information available

**Predicted No Effect Concentration (PNEC)** No information available

**8.2. Exposure controls**

**Engineering controls** None under normal processing.

**Personal protective equipment**



**Hand protection**

Wear protective nitrile rubber gloves. Thickness  $\geq 0.38$  mm - breakthrough time  $>480$  minutes. Thickness 0.1 mm - splash protection. Ensure that the breakthrough time of the glove material is not exceeded. Refer to glove supplier for information on breakthrough time for specific gloves.

**Eye/face Protection**

Avoid contact with eyes.

**Body protection**

Suitable protective clothing.

**Respiratory protection**

None under normal processing. In case of mist, spray or aerosol exposure wear suitable personal respiratory protection and protective suit.

**General hygiene considerations** Handle in accordance with good industrial hygiene and safety practice.

**Environmental exposure controls** Prevent product from entering drains.

**Section 9: PHYSICAL AND CHEMICAL PROPERTIES**

**9.1. Information on basic physical and chemical properties**

<b>Physical state</b>	Semi-solid
<b>Appearance</b>	Smooth
<b>Color</b>	Dark grey
<b>Odor</b>	Petroleum
<b>Odor threshold</b>	No information available
<b>Explosive properties</b>	No information available
<b>Oxidizing properties</b>	No information available

<u>Property</u>	<u>Values</u>	<u>Remarks • Method</u>
pH		No information available
Melting point/freezing point		No information available
Boiling point/boiling range		Not applicable
Flash point	$> 150$ °C / $> 302$ °F	Based on base oils
Evaporation rate		Not applicable
Flammability (solid, gas)		No information available
Flammability limits in air		No information available
Vapor pressure		Not applicable
Vapor Density		Not applicable
Specific gravity		No information available
Solubility(ies)		No information available
Partition coefficient (n-octanol/water)		No information available
Autoignition temperature		No information available
Decomposition temperature		No information available
Kinematic viscosity		No information available

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Dynamic viscosity

No information available

## 9.2. Other information

Density

< 1000 kg/m<sup>3</sup> @ 25 °C / 77 °F

## Section 10: STABILITY AND REACTIVITY

### 10.1. Reactivity

Stable.

### 10.2. Chemical stability

Stable under normal conditions.

### 10.3. Possibility of hazardous reactions

None under normal processing.

### 10.4. Conditions to avoid

Heat

### 10.5. Incompatible materials

Strong oxidizing agents.

### 10.6. Hazardous decomposition products

None under normal processing.

## Section 11: TOXICOLOGICAL INFORMATION

### 11.1. Information on toxicological effects

<b>Acute toxicity</b>	Not hazardous based on component data.
<b>Skin corrosion/irritation</b>	Not hazardous based on component data.
<b>Serious eye damage/eye irritation</b>	Not hazardous based on component data.
<b>Sensitization</b>	Not hazardous based on component data.
<b>Germ cell mutagenicity</b>	Not hazardous based on component data.
<b>Carcinogenicity</b>	Not hazardous based on component data.
<b>Reproductive toxicity</b>	Not hazardous based on component data.
<b>STOT-single exposure</b>	Not hazardous based on component data.
<b>STOT-repeated exposure</b>	Not hazardous based on component data.
<b>Aspiration hazard</b>	Not hazardous based on component data.

The following values are calculated based on chapter 3.1 of the GHS document

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Oral LD50	5,666.00 mg/kg
Dermal LD50	5,714.00 mg/kg

**Product Information**

Product does not present an acute toxicity hazard based on known or supplied information

<b>Inhalation</b>	Inhalation of oil mist may cause irritation, headaches, nausea and breathing difficulties.
<b>Eye contact</b>	Not expected to cause eye irritation
<b>Skin contact</b>	Prolonged contact may cause redness and irritation
<b>Ingestion</b>	Malaise (vague feeling of discomfort)

**Section 12: ECOLOGICAL INFORMATION****12.1. Toxicity**

**Ecotoxicity** Not regarded as dangerous for the environment. Occasional major emissions or frequently recurring minor emissions may have a harmful or disturbing effect.

**12.2. Persistence and degradability**

Not readily biodegradable.

**12.3. Bioaccumulative potential**

Material does not bioaccumulate.

**12.4. Mobility in soil****Mobility in soil**

After release, adsorbs onto soil.

**Mobility**

Insoluble in water.

**12.5. Results of PBT and vPvB assessment**

No information available.

**12.6. Other adverse effects**

No information available

**Section 13: DISPOSAL CONSIDERATIONS****13.1. Waste treatment methods**

<b>Waste from residues/unused products</b>	Disposal should be in accordance with applicable regional, national and local laws and regulations
<b>Contaminated packaging</b>	Dispose of in accordance with federal, state and local regulations.

Waste codes / waste designations 13 08 99  
according to EWC / AVV

## Section 14: TRANSPORT INFORMATION

Not regulated according to ADR/RID, IMDG, IATA.

### 14.1. UN number

Not regulated

### 14.2. UN proper shipping name

Not regulated

### 14.3. Transport hazard class(es)

Not regulated

### 14.4. Packing group

Not regulated

### 14.5. Environmental hazards

Not applicable

### 14.6. Special precautions for user

None

### 14.7. Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code

No information available

## Section 15: REGULATORY INFORMATION

### 15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

**Water hazard class (WGK)** Slightly hazardous to water (WGK 1)

#### **European Union**

Take note of Directive 98/24/EC on the protection of the health and safety of workers from the risks related to chemical agents at work

#### International inventories

<b>TSCA</b>	Complies
<b>EINECS/ELINCS</b>	Complies
<b>DSL/NDSL</b>	Complies
<b>PICCS</b>	Complies
<b>ENCS</b>	-
<b>IECSC</b>	Complies
<b>AICS</b>	Complies
<b>KECL</b>	Complies

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NZIoC -

**Legend**

**TSCA** - United States Toxic Substances Control Act Section 8(b) Inventory

**EINECS/ELINCS** - European Inventory of Existing Chemical Substances/European List of Notified Chemical Substances

**DSL/NDSL** - Canadian Domestic Substances List/Non-Domestic Substances List

**PICCS** - Philippines Inventory of Chemicals and Chemical Substances

**ENCS** - Japan Existing and New Chemical Substances

**IECSC** - China Inventory of Existing Chemical Substances

**AICS** - Australian Inventory of Chemical Substances

**KECL** - Korean Existing and Evaluated Chemical Substances

**NZIoC** - New Zealand Inventory of Chemicals

**15.2. Chemical safety assessment**

No information available

<b>Section 16: OTHER INFORMATION</b>
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Full text of R-phrases referred to under sections 2 and 3

Full text of H-Statements referred to under sections 2 and 3

Revision date 10-Mar-2013

Revision note Not applicable.

This safety data sheet complies with the requirements of Regulation (EC) No. 1907/2006

End of Safety Data Sheet