



# Safety Data Sheet

According to Regulation (EC) No. 1907/2006 (REACH)

Revision Date: 17-Nov-2014

**MagnaPlex SM**

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

### 1.1. Product identifier

Product name MagnaPlex SM

### 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

#### Supplier

D-A Lubricant Company, Inc.  
801 Edwards Drive  
Lebanon, IN 46052 USA  
317-23-5321

For further information, please contact

[dalube@dalube.com](mailto:dalube@dalube.com)

### 1.4. Emergency telephone number

Emergency telephone (800) 899-9004

## Section 2: HAZARDS IDENTIFICATION

### 2.1. Classification of the substance or mixture

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

Chronic aquatic toxicity Category 3 - (H412)

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

R-code(s) R52/53

R phrases

R52/53 - Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment

### 2.2. Label elements

Symbols/Pictograms None

<b>Signal word</b>	None
<b>Hazard statements</b>	H412 - Harmful to aquatic life with long lasting effects
<b>Precautionary statements</b>	P273 - Avoid release to the environment P501 - Dispose of contents/ container to an approved waste disposal plant

**2.3. Other hazards**

No information available

**Section 3: COMPOSITION/INFORMATION ON INGREDIENTS****3.2. Mixtures**

Chemical name	EC No	CAS No	weight-%	Classification according to Directive 67/548/EEC or 1999/45/EC	Classification according to Regulation (EC) No. 1272/2008 [CLP]	REACH registration number
Amides, coco, N,N-bis(hydroxyethyl), reaction products with coco monoglycerides and molybdenum oxide	-	445409-27-8	2.5-5	N; R51/53	Aquatic Chronic 2 (H411)	No data available
Phosphorodithioic acid, O,O-di-C1-14-alkyl esters, zinc salts (2:1)	272-028-3	68649-42-3	<2.5	Xi; R36/38 N; R51/53	Skin Irrit. 2 (H315) Eye Irrit. 2 (H319) Aquatic Chronic 2 (H411)	No data available
Antimony Dialkyldithiocarbamate	240-028-2	15890-25-2	0.1-1	Xn; R20/22 N; R51/53	Acute Tox. 4 (H302) Acute Tox. 4 (H332) Aquatic Chronic 2 (H411)	No data available

**Ingredient comments**

This product is a lithium complex 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**

<b>Inhalation</b>	Move to fresh air in case of accidental inhalation of vapors.
<b>Skin contact</b>	Wash with soap and water.
<b>Eye contact</b>	Rinse thoroughly with plenty of water, also under the eyelids.
<b>Ingestion</b>	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.

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**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 CO<sub>2</sub>, 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 entry into waterways, sewers, basements or confined areas. Do not flush into surface water or sanitary sewer system.

**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**

Chemical name	European Union	United Kingdom	France	Spain	Germany
Antimony Dialkyldithiocarbamate 15890-25-2		TWA: 0.5 mg/m <sup>3</sup>	TWA: 0.5 mg/m <sup>3</sup>	TWA: 0.5 mg/m <sup>3</sup>	
Chemical name	Italy	Portugal	Netherlands	Finland	Denmark
Antimony Dialkyldithiocarbamate 15890-25-2	-	TWA: 0.5 mg/m <sup>3</sup>	TWA: 0.5 mg/m <sup>3</sup>	TWA: 0.5 mg/m <sup>3</sup>	TWA: 0.5 mg/m <sup>3</sup>
Chemical name	Austria	Switzerland	Poland	Norway	Ireland
Amides, coco, N,N-bis(hydroxyethyl), reaction products with coco monoglycerides and molybdenum oxide 445409-27-8	-	-	STEL: 10 mg/m <sup>3</sup> TWA: 4 mg/m <sup>3</sup>	-	TWA: 0.5 mg/m <sup>3</sup>
Antimony Dialkyldithiocarbamate 15890-25-2	STEL 1.5 mg/m <sup>3</sup> TWA: 0.5 mg/m <sup>3</sup>	-	-	TWA: 0.5 mg/m <sup>3</sup> STEL: 1.5 mg/m <sup>3</sup>	TWA: 0.5 mg/m <sup>3</sup>

**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** Do not allow into any sewer, on the ground or into any body of water.

## Section 9: PHYSICAL AND CHEMICAL PROPERTIES

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

Physical state	Semi-solid
Appearance	Smooth
Color	green
Odor	Petroleum
Odor threshold	No information available
Explosive properties	No information available
Oxidizing properties	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	> 260 °C / > 500 °F	No information available
Flash point	> 215 °C / > 419 °F	No information available
Evaporation rate		Not applicable
Flammability (solid, gas)		No information available
Flammability limits in air		No information available
Vapor pressure	< 0.013 kPa	@ 20 °C
Vapor Density		Not applicable
Specific gravity	0.85-0.95	@ 60 °F
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
Dynamic viscosity		No information available

### 9.2. Other information

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

<b>Oral LD50</b>	6,414.00 mg/kg
<b>Dermal LD50</b>	8,895.00 mg/kg
<b>Mist</b>	150.00 mg/l

Chemical name	Oral LD50	Dermal LD50	LC50 (lethal concentration)
Amides, coco, N,N-bis(hydroxyethyl), reaction products with coco monoglycerides and molybdenum oxide	> 5000 mg/kg ( Rat )	> 2000 mg/kg ( Rabbit )	
Phosphorodithioic acid, O,O-di-C1-14-alkyl esters, zinc salts (2:1)	= 3600 mg/kg ( Rat )	> 20 000 mg/kg ( Rabbit )	

### **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

<b>Ecotoxicity</b>	Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
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Chemical name	Algae/aquatic plants	Fish	Toxicity to daphnia and other aquatic invertebrates

Phosphorodithioic acid, O,O-di-C1-14-alkyl esters, zinc salts (2:1)		1.0 - 5.0: 96 h Pimephales promelas mg/L LC50 static 10.0 - 35.0: 96 h Pimephales promelas mg/L LC50 semi-static	1 - 1.5: 48 h Daphnia magna mg/L EC50
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**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****Waste from residues/unused products**

Disposal should be in accordance with applicable regional, national and local laws and regulations

**Contaminated packaging**

Dispose of in accordance with federal, state and local regulations.

**Waste codes / waste designations according to EWC / AVV**

13 08 99

**Other information**

Waste codes should be assigned by the user based on the application for which the product was used.

## 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 MARPOL 73/78 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)**                      Hazardous to water (WGK 2)

#### **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>	Complies
<b>IECSC</b>	Complies
<b>AICS</b>	Complies
<b>KECL</b>	Complies
<b>NZIoC</b>	-

#### **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

### **Section 16: OTHER INFORMATION**

#### **Full text of R-phrases referred to under sections 2 and 3**

R51/53 - Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment

R36/38 - Irritating to eyes and skin

R20/22 - Harmful by inhalation and if swallowed

R52/53 - Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment

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



H412 - Harmful to aquatic life with long lasting effects  
H302 - Harmful if swallowed  
H332 - Harmful if inhaled  
H411 - Toxic to aquatic life with long lasting effects  
H315 - Causes skin irritation  
H319 - Causes serious eye irritation

**Precautionary statements**

P273 - Avoid release to the environment  
P501 - Dispose of contents/ container to an approved waste disposal plant

**Revision Date:** 17-Nov-2014

**Revision note** Not applicable.

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

**End of Safety Data Sheet**