



# Safety Data Sheet

according to Regulation (EC) No 1907/2006

## ADDITEX SW 22

Print date: 12.01.2015

Product code: 765028

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### SECTION 1: Identification of the substance/mixture and of the company/undertaking

#### 1.1. Product identifier

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

##### Use of the substance/mixture

Lubricant and additive.

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

Company name:	ADDINOL Lube Oil GmbH	
	Gebäude 4609	
Street:	Am Haupttor	
Place:	D-06237 Leuna	
Telephone:	+49 (0) 3461 845-201	Telefax: +49 (0) 3461 845-561
e-mail:	info@addinol.de	
Contact person:	Application Technology	
Internet:	www.addinol.de	
Responsible Department:	ADDINOL Application Technology	

#### 1.4. Emergency telephone number:

+49 (0) 3461 845-201 - This number is serviced during office hours.

### SECTION 2: Hazards identification

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

R phrases:  
Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

##### GHS classification

Hazard categories:  
Skin corrosion/irritation: Skin Irrit. 2  
Hazardous to the aquatic environment: Aquatic Chronic 3  
Hazard Statements:  
Causes skin irritation.  
Harmful to aquatic life with long lasting effects.

#### 2.2. Label elements

Signal word: Warning  
Pictograms: GHS07



##### Hazard statements

H315	Causes skin irritation.
H412	Harmful to aquatic life with long lasting effects.

##### Precautionary statements

P264	Wash hands thoroughly after handling.
P273	Avoid release to the environment.
P280	Wear suitable protective clothing and gloves.
P302+P352	IF ON SKIN: Wash with plenty of water.
P332+P313	If skin irritation occurs: Get medical advice/attention.

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P362 Take off contaminated clothing.  
P501 Dispose of contents/container to Dispose of contents/container to a waste disposal system..

**Additional advice on labelling**

This preparation is hazardous in the sense of regulation (EC) No 1272/2008 [GHS].

**2.3. Other hazards**

Prolonged/repetitive skin contact may cause skin defatting or dermatitis.

Spilled product must not leak into the ground.

Do not allow uncontrolled leakage of product into the environment.

**SECTION 3: Composition/information on ingredients****3.2. Mixtures****Hazardous components**

EC No	Chemical name	Quantity
CAS No	Classification	
Index No	GHS classification	
REACH No		
	Polyolefin ether	7,50 - 15,00 %
	Xi - Irritant R38	
	Skin Irrit. 2; H315	
406-940-1	Thiophosphoric Acid Ester	1,50 - 3,75 %
126019-82-7	N - Dangerous for the environment R51-53	
	Aquatic Chronic 2; H411	
203-749-3	(Z)-N-Methyl-N-(1-oxo-9-octadecenyl)-glycerine	< 0,40 %
110-25-8	Xi - Irritant, N - Dangerous for the environment R38-41-50	
	Acute Tox. 4, Skin Irrit. 2, Eye Dam. 1, Aquatic Acute 1; H332 H315 H318 H400	

Full text of R and H phrases: see Section 16.

**Further Information**

DMSO-Extrakt &lt; 3 %, IP 346.

Concentration of PCBs &lt; 1mg/kg.

Classification system: The classification corresponds to the current EC lists and is completed by information from specialist literature and company information.

**SECTION 4: First aid measures****4.1. Description of first aid measures****General information**

Self-protection of the first aider.. Change contaminated clothing. Do not put any product-impregnated cleaning rags into your trouser pockets.

**After inhalation**

Move victim to fresh air. Put victim at rest and keep warm. Seek medical attention if problems persist.

**After contact with skin**

After contact with skin, wash immediately with plenty of water and soap. Change contaminated clothing. In case of skin irritation, seek medical treatment.

**After contact with eyes**

In case of contact with eyes, rinse immediately with plenty of flowing water for 10 to 15 minutes holding eyelids apart. Subsequently consult an ophthalmologist.



**ADDINOL**  
THE ART OF OIL SINCE 1923

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#### After ingestion

Do not induce vomiting.

Rinse mouth thoroughly with water. Immediately get medical attention.

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

No information available.

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

Treat symptomatically.

### SECTION 5: Firefighting measures

#### **5.1. Extinguishing media**

##### **Suitable extinguishing media**

Foam. Extinguishing powder. Carbon dioxide (CO<sub>2</sub>).

##### **Unsuitable extinguishing media**

Water.

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

Can be released in case of fire: Carbon monoxide. Carbon dioxide (CO<sub>2</sub>). Nitrogen oxides (NO<sub>x</sub>).  
Carbon black.

#### **5.3. Advice for firefighters**

In case of fire: Wear self-contained breathing apparatus.

#### **Additional information**

Extinguishing materials should be selected according to the surrounding area. Use water spray/stream to protect personnel and to cool endangered containers. In case of fire and/or explosion do not breathe fumes. Contaminated fire-fighting water must be collected separately. Do not empty into drains or the aquatic environment.

### SECTION 6: Accidental release measures

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

High slip hazard because of leaking or spilled product. Remove all sources of ignition. Wear respiratory protection when in the presence of vapour, dust, and aerosols. Avoid contact with skin, eye and clothing.

#### **6.2. Environmental precautions**

Do not empty into drains or the aquatic environment. In case of gas being released or leakage into waters, ground or the drainage system, the appropriate authorities must be informed. Prevent spreading over great surfaces (e.g. by damming or installing oil booms).

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

Absorb with liquid-binding material (e.g. sand, diatomaceous earth, acid- or universal binding agents). Treat the assimilated material according to the section on waste disposal. Clean contaminated objects and areas thoroughly observing environmental regulations.

#### **6.4. Reference to other sections**

Refer to the provisions listed in Sections 8, 12 and 13.

### SECTION 7: Handling and storage

#### **7.1. Precautions for safe handling**

##### **Advice on safe handling**

Work in well ventilated zones or use proper respiratory protection. Avoid oil mist. In case of open handling equipment with built-in suction must be used. Avoid contact with skin, eye and clothing.

##### **Advice on protection against fire and explosion**

Keep away from sources of ignition - No smoking.



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

##### **Requirements for storage rooms and vessels**

Keep the packing dry and well sealed to prevent contamination and absorption of dampness. Keep container tightly closed in a cool place.

##### **Advice on storage compatibility**

Keep away from food, drink and animal feedingstuffs.

Keep away from: Oxidizing agents.

##### **Further information on storage conditions**

Recommended storage temperature: 10 - 30°C

Protect against: heat. UV-radiation/sunlight. frost.

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

Further information: refer to Technical Data Sheet.

### **SECTION 8: Exposure controls/personal protection**

#### **8.1. Control parameters**

##### **Additional advice on limit values**

Recommended limit value for oil mist

TWA: 5 mg/m<sup>3</sup>

STEL: 10 mg/m<sup>3</sup>

The product does not contain any relevant quantities of substances with legally established exposure limitation.

#### **8.2. Exposure controls**



##### **Appropriate engineering controls**

Provide for sufficient ventilation and punctiform suction at critical points.

##### **Protective and hygiene measures**

Wash hands before breaks and at the end of work. Take off immediately all contaminated clothing.

Wash contaminated clothing prior to re-use. Do not eat, drink, smoke or sneeze at the workplace.

##### **Eye/face protection**

Tightly sealed safety glasses. German Industry Norms (DIN) / European Norms (EN): DIN EN 166

##### **Hand protection**

Tested protective gloves are to be worn: German Industry Norms (DIN) / European Norms (EN): DIN EN 374

Duration of wearing with permanent contact: 480 min

Suitable material: NBR (Nitrile rubber).

Thickness of glove material: 0.7 mm.

Duration of wearing with occasional contact (splashes): 30 min

Suitable material: NBR (Nitrile rubber).

Thickness of glove material: 0.4 mm

Protect skin by using skin protective cream.

##### **Skin protection**

Wear suitable protective clothing. Change contaminated clothing. Do not put any product-impregnated



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cleaning rags into your trouser pockets.

#### Respiratory protection

If technical suction or ventilation measures are not possible or are insufficient, protective breathing apparatus must be worn. Typ FFA2P3D (EN 405: 2002)

## SECTION 9: Physical and chemical properties

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

Physical state:	liquid
Colour:	yellow
Odour:	like: mineral oil.

#### Test method

#### Changes in the physical state

Initial boiling point and boiling range:	No data available
Flash point:	192 °C DIN EN ISO 2592
Ignition temperature:	No data available
Density (at 15 °C):	0,871 g/cm³ DIN 51757
Water solubility:	virtually insoluble
Viscosity / kinematic: (at 40 °C)	21,8 mm²/s DIN 51562

## SECTION 10: Stability and reactivity

### 10.1. Reactivity

Stable with proper care and handling.

### 10.2. Chemical stability

The product is chemically stable when handled and stored under normal conditions.

### 10.3. Possibility of hazardous reactions

No decomposition if used as intended.

### 10.4. Conditions to avoid

Refer to chapter 7 No further action is necessary.

Do not overheat to avoid decomposition by heat.

### 10.5. Incompatible materials

Reacts with : Oxidizing agents, strong.

### 10.6. Hazardous decomposition products

Can be released in case of fire: Carbon monoxide. Carbon dioxide (CO<sub>2</sub>). Nitrogen oxides (NO<sub>x</sub>).  
Carbon black.

## SECTION 11: Toxicological information

### 11.1. Information on toxicological effects

#### Acute toxicity

No data available

Mixture not tested.

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CAS No	Chemical name				
	Exposure routes	Method	Dose	Species	Source
	Polyolefin ether				
	oral	LD50	> 5000 mg/kg	Rat.	
	dermal	LD50	> 2000 mg/kg	Rat.	
126019-82-7	Thiophosphoric Acid Ester				
	oral	LD50	> 2000 mg/kg	Rat.	
	dermal	LD50	> 2000 mg/kg	Rat.	
110-25-8	(Z)-N-Methyl-N-(1-oxo-9-octadecenyl)-glycerine				
	oral	LD50	> 2000 mg/kg	Rat.	
	inhalative vapour	ATE	11 mg/l		
	inhalative aerosol	ATE	1,5 mg/l		

**Irritation and corrosivity**

Irritant effect on the eye: mild irritant.

Irritant effect on the skin: Prolonged or repeated contact with skin or mucous membrane result in irritation symptoms such as redness, blistering, dermatitis, etc.

**Sensitising effects**

Evaluation: no danger of sensitization.

**Severe effects after repeated or prolonged exposure**

Prolonged/repetitive skin contact may cause skin defatting or dermatitis.

**Carcinogenic/mutagenic/toxic effects for reproduction**

No data available

**Specific effects in experiment on an animal**

No data available

**SECTION 12: Ecological information****12.1. Toxicity**

No data available

Mixture not tested.

CAS No	Chemical name					
	Aquatic toxicity	Method	Dose	[h]   [d]	Species	Source
	Polyolefin ether					
	Acute fish toxicity	LC50	10 - 100 mg/l	96 h		
	Acute algae toxicity	ErC50	10 - 100 mg/l	96 h		
	Acute crustacea toxicity	EC50	10 - 100 mg/l	48 h		
126019-82-7	Thiophosphoric Acid Ester					
	Acute fish toxicity	LC50	> 25 mg/l	96 h		
	Acute algae toxicity	ErC50	> 100 mg/l	96 h		
110-25-8	(Z)-N-Methyl-N-(1-oxo-9-octadecenyl)-glycerine					
	Acute fish toxicity	LC50	1,70 mg/l	96 h		
	Acute crustacea toxicity	EC50	0,68 mg/l	48 h		

**12.2. Persistence and degradability**

Not easily bio-degradable (according to OECD-criteria). Do not empty into drains or the aquatic environment.



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#### **12.3. Bioaccumulative potential**

No information available.

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

Due to its low solubility in water the product is almost completely mechanically separated in biological waste water treatment plants.

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

The components in this formulation do not meet the criteria for classification as PBT or vPvB.

#### **12.6. Other adverse effects**

No information available.

#### **Further information**

Do not allow uncontrolled leakage of product into the environment.

### SECTION 13: Disposal considerations

#### **13.1. Waste treatment methods**

##### **Advice on disposal**

Must not be disposed of with domestic refuse. Do not empty into drains or the aquatic environment.

##### **Waste disposal number of waste from residues/unused products**

130205 OIL WASTES AND WASTES OF LIQUID FUELS (except edible oils, and those in chapters 05, 12 and 19); waste engine, gear and lubricating oils; mineral-based non-chlorinated engine, gear and lubricating oils  
Classified as hazardous waste.

##### **Contaminated packaging**

Contaminated packing must be completely emptied and can be re-used following appropriate cleaning. Waste disposal according to official state regulations. Packing which cannot be properly cleaned must be thrown away.

### SECTION 14: Transport information

#### **Land transport (ADR/RID)**

**14.1. UN number:** -

#### **Inland waterways transport (ADN)**

**14.1. UN number:** -

#### **Marine transport (IMDG)**

**14.1. UN number:** -

#### **Air transport (ICAO)**

**14.1. UN number:** -

#### **14.5. Environmental hazards**

ENVIRONMENTALLY HAZARDOUS: no

#### **14.6. Special precautions for user**

Unless specified otherwise, general measures for safe transport must be followed.

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

not applicable

#### **Other applicable information**

Not a hazardous material with respect to these transportation regulations.

### SECTION 15: Regulatory information

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



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#### National regulatory information

Water contaminating class (D): 2 - water contaminating

#### 15.2. Chemical safety assessment

Chemical safety assessments for substances in this mixture were not carried out.

### SECTION 16: Other information

#### Full text of R phrases referred to under Sections 2 and 3

- |       |   |
|-------|---|
| 38    | Irritating to skin.   |
| 41    | Risk of serious damage to eyes.   |
| 50    | Very toxic to aquatic organisms.  |
| 51    | Toxic to aquatic organisms.   |
| 52/53 | Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment. |
| 53    | May cause long-term adverse effects in the aquatic environment.                               |

#### Full text of H statements referred to under Sections 2 and 3

- |      |  |
|------|--|
| H315 | Causes skin irritation.                            |
| H318 | Causes serious eye damage.                         |
| H332 | Harmful if inhaled.                                |
| H400 | Very toxic to aquatic life.                        |
| H411 | Toxic to aquatic life with long lasting effects.   |
| H412 | Harmful to aquatic life with long lasting effects. |

#### Further Information

This preparation is hazardous in the sense of regulation (EC) No 1272/2008 [GHS].

These given data only refer to the named product. If the product is used together with other materials or in manufacturing processes the data might not be applicable any more. The data are based on today's state of our knowledge and experience. They are, however, no guarantee of any specific product properties and do not established any legally valid contractual relationship.

The receiver of our product is singularly responsible for adhering to existing laws and regulations.

*(The data for the hazardous ingredients were taken respectively from the last version of the sub-contractor's safety data sheet.)*