

## Safety Data Sheet

according to Regulation (EC) No 1907/2006

### Alpine TS 10W60

Print date: 18.05.2016

Product code: MIT0011

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

### 1.1. Product identifier

Alpine TS 10W60

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

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

Company name:	Mitan Mineralöl GmbH	
Street:	Industriestraße 8	
Place:	D-49577 Ankum	
Telephone:	+49 (0)5462/7470-50	Telefax: +49 (0)5462/7470-33
e-mail:	info@mitan-oil.de	
e-mail (Contact person):	sicherheitsdatenblatt@mitan-oil.de	
Internet:	www.mitan-oil.de	

### 1.4. Emergency telephone

number: Gif tinformat ionszentrum Nord (Göttingen)

+49 (0)551/19240

## SECTION 2: Hazards identification

### 2.1. Classification of the substance or mixture

#### Regulation (EC) No. 1272/2008

This mixture is not classified as hazardous according to Regulation (EC) No. 1272/2008.

### 2.2. Label elements

#### Regulation (EC) No. 1272/2008

#### Special labelling of certain mixtures

EUH210 Safety data sheet available on request.

### 2.3. Other hazards

No information available.

## SECTION 3: Composition/information on ingredients

### 3.2. Mixtures

#### Chemical characterization

Additive Mineral oil

#### Hazardous components

CAS No	Chemical name	Quantity
	EC No	
	Index No	
	REACH No	
	Classification according to Regulation (EC) No. 1272/2008 [CLP]	
68649-42-3	Zinc dialkyl dithiophosphate	1-<2,5 %
	272-028-3	
	Skin Irrit. 2, Eye Dam. 1, Aquatic Chronic 2; H315 H318 H411	
confidential	Calcium long-chain alkylphenate sulfide	1-<2,5 %
	Aquatic Chronic 4; H413	

Full text of H and EUH statements: see section 16.

#### Further Information

Test data has shown that the zinc dialkyl dithiophosphate contained does not lead to a classification of the product as "Eye Irrit. 2". All concentrations are quoted as mass percentages for liquids and volume percentages for gases. Other substances which are not classified as dangerous are contained up to 100 %.

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This mixture does not contain any substance classified as dangerous, whose concentration exceeds the concentration limits described in article 3.2.2 (annex II, VO 1907/2006/EU).

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

When in doubt or if symptoms are observed, get medical advice. Never give anything by mouth to an unconscious person or a person with cramps.

**After inhalation**

Remove affected person from the danger area and lay down. In case of accident or unwellness, seek medical advice immediately (show directions for use or safety data sheet if possible).

**After contact with skin**

After contact with skin, wash immediately with plenty of water and soap. Take off immediately all contaminated clothing. In case of skin irritation, consult a physician.

**After contact with eyes**

After contact with the eyes, rinse with water with the eyelids open for a sufficient length of time, then consult an ophthalmologist immediately.

**After ingestion**

Rinse mouth immediately and drink plenty of water. Aspiration hazard Do NOT induce vomiting.

**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**

Carbon dioxide (CO<sub>2</sub>) Foam. Dry extinguishing powder. Use water spray jet to protect personnel and to cool endangered containers.

**Unsuitable extinguishing media**

Water

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

The formation of combustible vapours is possible at temperatures above: Flash point When hot, product develops flammable vapours. In case of fire may be liberated: Pyrolysis products, toxic Hydrocarbons Carbon dioxide (CO<sub>2</sub>) Carbon monoxide. Hydrogen sulphide (H<sub>2</sub>S) Nitrogen oxides (NO<sub>x</sub>) Phosphorus oxides

**5.3. Advice for firefighters**

In case of fire: Wear self-contained breathing apparatus. Full protection suit Collect contaminated fire extinguishing water separately. Do not allow entering drains or surface water.

**Additional information**

Suppress gases/vapours/mists with water spray jet. Collect contaminated fire extinguishing water separately. Do not allow entering drains or surface water. Fire class B

**SECTION 6: Accidental release measures****6.1. Personal precautions, protective equipment and emergency procedures**

Provide adequate ventilation. Do not breathe gas/fumes/vapour/spray. Avoid contact with skin, eyes and clothes. Use personal protection equipment. Keep away from sources of ignition. - No smoking. Conditions to avoid Inhalation Do not put any product-impregnated cleaning rags into your trouser pockets. Special danger of slipping by leaking/spilling product.

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**6.2. Environmental precautions**

Do not allow to enter into surface water or drains. Prevent spread over a wide area (e.g. by containment or oil barriers). If product enters soil, it will be mobile and may contaminate groundwater.

**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 recovered material as prescribed in the section on waste disposal.

**6.4. Reference to other sections**

Safe handling: see section 7

Personal protection equipment: see section 8

Disposal: see section 13

**SECTION 7: Handling and storage****7.1. Precautions for safe handling****Advice on safe handling**

Avoid contact with skin and eyes. Keep away from sources of ignition. - No smoking. Wash hands before breaks and after work. All work processes must always be designed so that the following is excluded:  
Generation/formation of mist

**Advice on protection against fire and explosion**

Take precautionary measures against static discharges.

**Further information on handling**

Do not put any product-impregnated cleaning rags into your trouser pockets. The formation of combustible vapours is possible at temperatures above: Flash point

**7.2. Conditions for safe storage, including any incompatibilities****Requirements for storage rooms and vessels**

Keep container tightly closed. Keep/Store only in original container.

**Advice on storage compatibility**

No special measures are necessary.

**Further information on storage conditions**

Protect from moisture. Keep in a cool place. Keep only in the original container at a temperature not exceeding 50 °C (to be specified by the manufacturer).

**SECTION 8: Exposure controls/personal protection****8.1. Control parameters****8.2. Exposure controls****Protective and hygiene measures**

Remove contaminated, saturated clothing immediately. Draw up and observe skin protection programme. Wash hands and face before breaks and after work and take a shower if necessary. When using do not eat or drink.

**Eye/face protection**

Suitable eye protection: goggles. DIN EN 166

**Hand protection**

When handling with chemical substances, protective gloves must be worn with the CE-label including the four control digits. The quality of the protective gloves resistant to chemicals must be chosen as a function of the specific working place concentration and quantity of hazardous substances. For special purposes, it is

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recommended to check the resistance to chemicals of the protective gloves mentioned above together with the supplier of these gloves.

#### Skin protection

Wear suitable protective clothing.

#### Respiratory protection

In case of inadequate ventilation wear respiratory protection. Typ: A-P2

#### Environmental exposure controls

Technical measures to prevent exposure Organisational measures to prevent exposure

## SECTION 9: Physical and chemical properties

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

Physical state:	liquid	
Colour:	yellow	
Odour:	characteristic	
		<b>Test method</b>
pH-Value:		not determined
<b>Changes in the physical state</b>		
Melting point:		not determined
Initial boiling point and boiling range:		320 °C
Flash point:		> 200 °C DIN ISO 2592
<b>Flammability</b>		
Solid:		not applicable
Gas:		not applicable
Lower explosion limits:		0,6 vol. %
Upper explosion limits:		6,5 vol. %
Ignition temperature:		>250 °C ASTM E 659
<b>Auto-ignition temperature</b>		
Solid:		not applicable
Gas:		not applicable
Decomposition temperature:		not determined
<b>Oxidizing properties</b>		
Not oxidizing.		
Vapour pressure:		not determined
Density:		0,853 g/cm <sup>3</sup> DIN 53217
Water solubility:		insoluble
<b>Solubility in other solvents</b>		
not determined		
Partition coefficient:		not determined
Viscosity / kinematic: (at 100 °C)		24,4 mm <sup>2</sup> /s DIN 51562
Vapour density:		not determined
Evaporation rate:		not determined
<b>9.2. Other information</b>		
Solid content:		not determined

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## SECTION 10: Stability and reactivity

### 10.1. Reactivity

No hazardous reaction when handled and stored according to provisions.

### 10.2. Chemical stability

The product is stable under storage at normal ambient temperatures.

### 10.3. Possibility of hazardous reactions

The formation of combustible vapours is possible at temperatures above: Flash point

### 10.4. Conditions to avoid

Oxidising agent, strong

### 10.5. Incompatible materials

No information available.

### 10.6. Hazardous decomposition products

No known hazardous decomposition products.

## SECTION 11: Toxicological information

### 11.1. Information on toxicological effects

#### **Acute toxicity**

Based on available data, the classification criteria are not met.

#### **Irritation and corrosivity**

Based on available data, the classification criteria are not met.

#### **Sensitising effects**

Based on available data, the classification criteria are not met.  
Frequently or prolonged contact with skin may cause dermal irritation.

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

Based on available data, the classification criteria are not met.  
This substance does not meet the criteria for classification as CMR category 1 A or 1B according to CLP.

#### **STOT-single exposure**

Based on available data, the classification criteria are not met.

#### **STOT-repeated exposure**

Based on available data, the classification criteria are not met.

#### **Aspiration hazard**

Based on available data, the classification criteria are not met.

#### **Additional information on tests**

This mixture is classified as hazardous according to regulation (EC) No. 1272/2008 [CLP].

## SECTION 12: Ecological information

### 12.1. Toxicity

The product is not: Ecotoxic.

### 12.2. Persistence and degradability

Not readily biodegradable (according to OECD criteria)

### 12.3. Bioaccumulative potential

The product has not been tested.

### 12.4. Mobility in soil

The product has not been tested.

### 12.5. Results of PBT and vPvB assessment

The product has not been tested.

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

No information available.

#### **Further information**

Do not allow to enter into surface water or drains. Do not allow to enter into soil/subsoil.

### SECTION 13: Disposal considerations

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

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

Do not allow to enter into surface water or drains. Do not allow to enter into soil/subsoil. Dispose of waste according to applicable legislation.

##### **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.

##### **Waste disposal number of used product**

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.

##### **Waste disposal number of contaminated packaging**

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**

Non-contaminated packages may be recycled. Handle contaminated packages in the same way as the substance itself.

### SECTION 14: Transport information

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

**14.1. UN number:** No dangerous good in sense of this transport regulation.  
**14.2. UN proper shipping name:** No dangerous good in sense of this transport regulation.  
**14.3. Transport hazard class(es):** No dangerous good in sense of this transport regulation.  
**14.4. Packing group:** No dangerous good in sense of this transport regulation.

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

**14.1. UN number:** No dangerous good in sense of this transport regulation.  
**14.2. UN proper shipping name:** No dangerous good in sense of this transport regulation.  
**14.3. Transport hazard class(es):** No dangerous good in sense of this transport regulation.  
**14.4. Packing group:** No dangerous good in sense of this transport regulation.

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

**14.1. UN number:** No dangerous good in sense of this transport regulation.  
**14.2. UN proper shipping name:** No dangerous good in sense of this transport regulation.  
**14.3. Transport hazard class(es):** No dangerous good in sense of this transport regulation.  
**14.4. Packing group:** No dangerous good in sense of this transport regulation.

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

**14.1. UN number:** No dangerous good in sense of this transport regulation.

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- 14.2. UN proper shipping name:** No dangerous good in sense of this transport regulation.  
**14.3. Transport hazard class(es):** No dangerous good in sense of this transport regulation.  
**14.4. Packing group:** No dangerous good in sense of this transport regulation.

#### 14.5. Environmental hazards

ENVIRONMENTALLY HAZARDOUS: no

#### 14.6. Special precautions for user

No dangerous good in sense of this transport regulation.

#### 14.7. Transport in bulk according to Annex II of Marpol and the IBC Code

No dangerous good in sense of this transport regulation.

### SECTION 15: Regulatory information

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

##### EU regulatory information

##### Additional information

To follow: 850/2004/EC, 1107/2009/EC, 649/2012/EC.

##### National regulatory information

Employment restrictions: Observe restrictions to employment for juvenils according to the 'juvenile work protection guideline' (94/33/EC).  
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

#### Abbreviations and acronyms

ADR: Accord européen sur le transport des marchandises dangereuses par Route (European Agreement concerning the International Carriage of Dangerous Goods by Road)  
IMDG: International Maritime Code for Dangerous Goods  
IATA: International Air Transport Association  
GHS: Globally Harmonized System of Classification and Labelling of Chemicals  
EINECS: European Inventory of Existing Commercial Chemical Substances  
ELINCS: European List of Notified Chemical Substances  
CAS: Chemical Abstracts Service  
LC50: Lethal concentration, 50%  
LD50: Lethal dose, 50%

#### Relevant H and EUH statements (number and full text)

H315 Causes skin irritation.  
H318 Causes serious eye damage.  
H411 Toxic to aquatic life with long lasting effects.  
H413 May cause long lasting harmful effects to aquatic life.  
EUH210 Safety data sheet available on request.

#### Further Information

The above information describes exclusively the safety requirements of the product and is based on our present-day knowledge. The information is intended to give you advice about the safe handling of the product named in this safety data sheet, for storage, processing, transport and disposal. The information cannot be transferred to other products. In the case of mixing the product with other products or in the case of processing, the information on this safety data sheet is not necessarily valid for the new made-up material.

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