

# Safety Data Sheet

# MEYLE

according to Regulation (EC) No 1907/2006

## MEYLE ZHM

Revision date: 04.04.2018

Product code: 014\_020\_6400-3-4

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

#### 1.1. Product identifier

MEYLE ZHM

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

##### Use of the substance/mixture

Central hydraulic motor

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

Company name:	Meyle AG	
Street:	Merkurring 111	
Place:	D-22143 Hamburg	
Telephone:	+49 40 67 506 510	Telefax: +49 40 67 506 506
e-mail:	contact@meyle.com	
Internet:	www.meyle.com	

#### 1.4. Emergency telephone

**number:** Giftnotruf Göttingen  
+49 551 19 24 0 (24h)

### SECTION 2: Hazards identification

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

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

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

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

**Signal word:** Warning

**Pictograms:**



##### Hazard statements

H315 Causes skin irritation.

H412 Harmful to aquatic life with long lasting effects.

##### Precautionary statements

P101 If medical advice is needed, have product container or label at hand.

P102 Keep out of reach of children.

P264 Wash hands thoroughly after handling.

P280 Wear protective gloves/protective clothing/eye protection/face protection.

P501 Dispose of contents/container to of the disposal according to local regulations.

##### Special labelling of certain mixtures

EUH208 Contains Propanoic acid, 3-[[bis(2-methylpropoxy)phosphinothioyl]thio]-2-methyl-(9CI), reaction products of P-/N-/S-containing compounds with propionic acid. May produce an allergic reaction.

### SECTION 3: Composition/information on ingredients

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### 3.2. Mixtures

#### Hazardous components

CAS No	Chemical name	Quantity		
	EC No	Index No	REACH No	
	Classification according to Regulation (EC) No. 1272/2008 [CLP]			
64742-53-6	Baseoil - unspecified, Distillates (petroleum), hydrotreated light naphthenic			30 - < 60 %
	265-156-6	649-466-00-2		
	Asp. Tox. 1; H304			
64742-46-7	Distillates (petroleum), hydrotreated middle, Gasoil - unspecified			15 - < 30 %
	265-148-2	649-221-00-X		
	Acute Tox. 4, Skin Irrit. 2, Asp. Tox. 1, Aquatic Chronic 2; H332 H315 H304 H411			
64742-55-8	Complex combination of hydrocarbons			15 - < 30 %
	265-158-7		01-2119487077-29	
	Asp. Tox. 1; H304			
72623-87-1	Baseoil - unspecified, Lubricating oils (petroleum), C20-50, hydrotreated neutral oil-based			5 - < 15 %
	276-738-4	649-483-00-5	01-2119474889-13	
	Asp. Tox. 1; H304			
128-39-2	Alkyl phenol			<0,5 %
	204-884-0		01-2119490822-33	
	Skin Irrit. 2, Aquatic Acute 1 (M-Factor = 1), Aquatic Chronic 1 (M-Factor = 1); H315 H400 H410			
268567-32-4	Propanoic acid, 3-[[bis(2-methylpropoxy)phosphinothioyl]thio]-2-methyl-(9CI)			<0,25 %
	434-070-2		01-2119658068-31	
	Eye Dam. 1, Skin Sens. 1, Aquatic Chronic 3; H318 H317 H412			
94270-86-7	reaction products of P-/N-/S-containing compounds with propionic acid			<0,25 %
	939-700-4		01-2119982395-25	
	Skin Irrit. 2, Skin Sens. 1, Aquatic Acute 1 (M-Factor = 1), Aquatic Chronic 2; H315 H317 H400 H411			

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

#### Further Information

According to EC directives or the corresponding national regulations the product does not have to be labelled.

## 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

In case of inhalation of aerosols/spray mist/splash spots: Consult physician. Provide fresh air.

Avoid breathing dust/fume/gas/mist/vapours/spray. IF INHALED: If breathing is difficult, remove victim to fresh air and keep at rest in a position comfortable for breathing.

#### After contact with skin

After contact with skin, take off immediately all contaminated clothing, and wash immediately with plenty of water and soap.

If skin irritation or rash occurs: Get medical advice/attention.

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### **After contact with eyes**

Rinse immediately carefully and thoroughly with eye-bath or water.  
In case of troubles or persistent symptoms, consult an ophthalmologist.

### **After ingestion**

Rinse mouth immediately and drink plenty of water.  
If swallowed, do not induce vomiting: seek medical advice immediately and show this container or label.

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

Caution if victim vomits: Risk of aspiration!  
Aspiration hazard: Call a physician immediately.

## **SECTION 5: Firefighting measures**

### **5.1. Extinguishing media**

#### **Suitable extinguishing media**

Co-ordinate fire-fighting measures to the fire surroundings.  
Carbon dioxide (CO<sub>2</sub>). Dry extinguishing powder. Foam.

#### **Unsuitable extinguishing media**

High power water jet.

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

Special exposure hazards arising from the substance itself, combustion products, resulting gases:  
Carbon dioxide (CO<sub>2</sub>). Carbon monoxide Sulphur oxides. Phosphorus oxides. Hydrogen sulphide (H<sub>2</sub>S).

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

carbon black In case of fire: Wear self-contained breathing apparatus.  
In case of fire and/or explosion do not breathe fumes.  
In case of fire: Wear self-contained breathing apparatus.

### **Additional information**

Collect contaminated fire extinguishing water separately. Do not allow entering drains or surface water.  
Dispose of waste according to applicable legislation.  
Use water spray jet to protect personnel and to cool endangered containers.

## **SECTION 6: Accidental release measures**

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

Special danger of slipping by leaking/spilling product.  
Wear suitable protective clothing.  
Wear breathing apparatus if exposed to vapours/dusts/aerosols.

### **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).

### **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**

In case of gas escape or of entry into waterways, soil or drains, inform the responsible authorities.

## **SECTION 7: Handling and storage**

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

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

Protect skin by using skin protective cream. Wash hands before breaks and after work.  
Conditions to avoid: aerosol or mist generation.

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### Advice on protection against fire and explosion

No special measures are necessary.  
When using do not smoke.  
Fire class: B (DIN-/EN-Norms: EN2)

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

#### Requirements for storage rooms and vessels

Keep container tightly closed.  
Keep away from heat. Keep/Store only in original container.

#### Hints on joint storage

Do not store together with: Food and fodder, Oxidizing agents.

#### Further information on storage conditions

If product enters soil, it will be mobile and may contaminate groundwater. Keep away from heat.

## SECTION 8: Exposure controls/personal protection

### 8.1. Control parameters

### 8.2. Exposure controls

#### Protective and hygiene measures

When using do not eat, drink or smoke.  
Change contaminated clothing.  
Wash hands before breaks and after work.  
Protect skin by using skin protective cream.  
Keep away from food, drink and animal feedingstuffs.  
Do not breathe vapour.

#### Eye/face protection

In fine dispersion/spraying/misting: Wear protective gloves/protective clothing.

#### Hand protection

Wear suitable gloves.

#### Skin protection

In fine dispersion/spraying/misting: Wear protective gloves/protective clothing.

#### Respiratory protection

Wear breathing apparatus if exposed to vapours/dusts/aerosols.

## SECTION 9: Physical and chemical properties

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

Physical state: liquid  
Colour: amber  
Odour: characteristic

	Test method
pH-Value:	not applicable DIN 51369

#### Changes in the physical state

Pourpoint::	~-51 °C	DIN ISO 3016
Flash point:	~126 °C	ISO 2592
Ignition temperature:	No data available	
Vapour pressure: (at 20 °C)	<0,1 hPa	calculated.
Density (at 15 °C):	~0,87 g/cm <sup>3</sup>	DIN 51757

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Water solubility:  
(at 20 °C) practically insoluble

### **Solubility in other solvents**

Soluble in hydrocarbons (mineral oil.)

Viscosity / kinematic:  
(at 40 °C) ~21 mm<sup>2</sup>/s DIN 51562

Solvent separation test: No data available

Solvent content: none Solvents

### **9.2. Other information**

none

## **SECTION 10: Stability and reactivity**

### **10.1. Reactivity**

Oxidizing agents, strong.

### **10.2. Chemical stability**

No thermal decomposition if properly stored / handled /transported.

Onset of decomposition at elevated temperatures (>300°C)

### **10.3. Possibility of hazardous reactions**

possible with strong oxidizing agents.

This product is stable under normal conditions. Hazardous reactions are unlikely.

### **10.5. Incompatible materials**

Oxidizing agents, strong.

### **10.6. Hazardous decomposition products**

none

### **Further information**

No thermal decomposition if properly stored / handled /transported.

## **SECTION 11: Toxicological information**

### **11.1. Information on toxicological effects**

#### **Acute toxicity**

No data available.

Irritant effect on the respiratory tract: Do not breathe gas/vapour.

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CAS No	Chemical name				
	Exposure route	Dose	Species	Source	Method
64742-53-6	Baseoil - unspecified, Distillates (petroleum), hydrotreated light naphthenic				
	oral	LD50 >5000 mg/kg	Rat		
	dermal	LD50 >2000 mg/kg	Rabbit		
64742-46-7	Distillates (petroleum), hydrotreated middle, Gasoil - unspecified				
	oral	LD50 >5000 mg/kg	Rat		
	dermal	LD50 >5000 mg/kg	Rabbit		
	inhalation vapour	ATE 11 mg/l			
	inhalation (4 h) aerosol	LC50 1.72 mg/l	Rat male.		
64742-55-8	Complex combination of hydrocarbons				
	oral	LD50 > 5000 mg/kg	Rat		
	dermal	LD50 > 3000 mg/kg	Rabbit		
94270-86-7	reaction products of P-/N-/S-containing compounds with propionic acid				
	oral	LD50 >2000 mg/kg	Rat		

### Irritation and corrosivity

Irritant effect on the skin: none

Frequent and prolonged eye contact may cause eye irritation.

### Sensitising effects

Due to the very low concentration of sensitizing substances, the finished product can be assumed not to be skin-sensitizing.

### Carcinogenic/mutagenic/toxic effects for reproduction

The product is not classified.

### STOT-repeated exposure

Frequently or prolonged contact with skin may cause dermal irritation.

### Specific effects in experiment on an animal

No data available.

### Additional information on tests

The classification was carried out according to the calculation method of the Preparations Directive (1999/45/EC).

### Practical experience

#### Observations relevant to classification

Has de-greasing effect on the skin.

#### Other observations

No special hazards known when the product is properly used and the precautionary measures indicated are observed.

## SECTION 12: Ecological information

### 12.1. Toxicity

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

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CAS No	Chemical name					
	Aquatic toxicity	Dose	[h]   [d]	Species	Source	Method
64742-53-6	Baseoil - unspecified, Distillates (petroleum), hydrotreated light naphthenic					
	Acute fish toxicity	LC50 > 100 mg/l	96 h	Fisch		
	Acute algae toxicity	ErC50 >100 mg/l	96 h	Alge		
72623-87-1	Baseoil - unspecified, Lubricating oils (petroleum), C20-50, hydrotreated neutral oil-based					
	Acute fish toxicity	LC50 > 100 mg/l	96 h		OECD 203	
	Acute algae toxicity	ErC50 >= 100 mg/l	72 h		OECD 201	
	Acute crustacea toxicity	EC50 > 10 000 mg/l	48 h		OECD 202	
94270-86-7	reaction products of P-/N-/S-containing compounds with propionic acid					
	Acute fish toxicity	LC50 1-10 mg/l	96 h			
	Acute crustacea toxicity	EC50 1-10 mg/l	48 h			
	Acute bacteria toxicity	(50-100 mg/l)				

### 12.2. Persistence and degradability

Due to its low solubility in water the product is almost completely mechanically separated in biological sewage plants. Poorly eliminated from water.

Not easily bio-degradable (according to OECD-criteria). Product is partially biodegradable. Significant residues remain.

Post-use oils must not be discharged into the sewer system or into surface waters nor must they be allowed to enter the soil.

### 12.3. Bioaccumulative potential

No data available.

Do not allow uncontrolled discharge of product into the environment.

### Partition coefficient n-octanol/water

CAS No	Chemical name	Log Pow
72623-87-1	Baseoil - unspecified, Lubricating oils (petroleum), C20-50, hydrotreated neutral oil-based	> 6
94270-86-7	reaction products of P-/N-/S-containing compounds with propionic acid	>6

### 12.4. Mobility in soil

No data available.

### 12.6. Other adverse effects

Aquatic organisms: No data available.

Effects in sewage plants No data available.

No data available.

### Further information

Do not allow to enter into surface water or drains. The classification was carried out according to the calculation method of the Preparations Directive (1999/45/EC).

## SECTION 13: Disposal considerations

### 13.1. Waste treatment methods

#### Advice on disposal

The waste codes stated are recommendations based on the expected use of the substance and may be re-assigned to other waste codes by the user, if applicable.

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Dispose of waste according to applicable legislation.

Do not empty into drains, dispose of this material and its container at hazardous or special waste collection point.

### 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; 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; hazardous waste

### Contaminated packaging

Dispose of this material and its container to hazardous or special waste collection point. 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-TI/IATA-DGR)

**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.

### 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

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Restrictions on use (REACH, annex XVII):

Entry 28: Complex combination of hydrocarbons

### Additional information

According to EC directives or the corresponding national regulations the product does not have to be labelled.

### National regulatory information

Water contaminating class (D): 2 - clearly water contaminating

## SECTION 16: Other information

### Classification for mixtures and used evaluation method according to Regulation (EC) No. 1272/2008 [CLP]

Classification	Classification procedure
Skin Irrit. 2; H315	Calculation method
Aquatic Chronic 3; H412	Calculation method

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

H304	May be fatal if swallowed and enters airways.
H315	Causes skin irritation.
H317	May cause an allergic skin reaction.
H318	Causes serious eye damage.
H332	Harmful if inhaled.
H400	Very toxic to aquatic life.
H410	Very toxic to aquatic life with long lasting effects.
H411	Toxic to aquatic life with long lasting effects.
H412	Harmful to aquatic life with long lasting effects.
EUH208	Contains Propanoic acid, 3-[[bis(2-methylpropoxy)phosphinothioyl]thio]-2-methyl-(9CI), reaction products of P-/N-/S-containing compounds with propionic acid. May produce an allergic reaction.

### Further Information

The above data are intended to describe our product in terms of any safety requirements to be observed. They reflect the state of our current knowledge and experience and shall not be construed as warranted characteristics. Any warranty for accuracy and completeness shall be expressly excluded.

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