

**MEYLE ZHM Synt**

Print date: 11.06.2015

MEYLE no. 014 020 6100/3/4

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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**

Central hydraulic motor

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

Company name:	Wulf Gaertner Autoparts AG	
Street:	Merkurring 111	
Place:	D-22143 Hamburg	
Telephone:	+49 67506 510	Telefax: +49 67506 506
e-mail:	contact@meyle.com	
Internet:	www.meyle.com	
Responsible Department:	Giftnotruf Göttingen	

**1.4. Emergency telephone number:** +49 (0)551 19 24 0 (24h)

**SECTION 2: Hazards identification**

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

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

This mixture is not classified as hazardous according to Directive 1999/45/EC.

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

Hazard categories:  
 Acute toxicity: Acute Tox. 3  
 Hazardous to the aquatic environment: Aquatic Chronic 3  
 Hazard Statements:  
 Toxic if inhaled.  
 Harmful to aquatic life with long lasting effects.

**2.2. Label elements**

**Hazardous components which must be listed on the label**

1-decene, dimer, hydrated

Signal word: Danger

Pictograms: GHS06



**Hazard statements**

Toxic if inhaled.  
 Harmful to aquatic life with long lasting effects.

**Precautionary statements**

Keep out of reach of children.  
 Use only outdoors or in a well-ventilated area.  
 Avoid release to the environment.  
 IF INHALED: Remove person to fresh air and keep comfortable for breathing.  
 Call a POISON CENTER/doctor.

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Store locked up.

**Special labelling of certain mixtures**

Contains Di-alkylaminomethyl-tolytriazole, Propanoic acid,  
3-[[bis(2-methylpropoxy)phosphinothioyl]thio]-2-methyl-(9CI). May produce an allergic reaction.

**SECTION 3: Composition/information on ingredients**

**3.2. Mixtures**

**Hazardous components**

EC No	Chemical name	Quantity
CAS No	Classification according to Directive 67/548/EEC	
Index No	Classification according to Regulation (EC) No. 1272/2008 [CLP]	
REACH No		
500-228-5	1-decene, dimer, hydrated	
68649-11-6	Xn - Harmful R20-65	55 - < 60 %
	Acute Tox. 4, Asp. Tox. 1; H332 H304	
276-738-4	Baseoil - unspecified, Lubricating oils (petroleum), C20-50, hydrotreated neutral oil-based	10 - < 15 %
72623-87-1		
649-483-00-5	Asp. Tox. 1; H304	
01-2119474889-13		
204-884-0	Alkyl phenol	
128-39-2	Xi - Irritant, N - Dangerous for the environment R38-50-53	< 1 %
	Skin Irrit. 2, Aquatic Acute 1 (M-Factor = 1), Aquatic Chronic 1 (M-Factor = 1); H315 H400 H410	
01-2119490822-33		
434-070-2	Propanoic acid, 3-[[bis(2-methylpropoxy)phosphinothioyl]thio]-2-methyl-(9CI)	
268567-32-4	Xi - Irritant R41-43-52-53	< 1 %
	Eye Dam. 1, Skin Sens. 1, Aquatic Chronic 3; H318 H317 H412	
01-2119658068-31		
	Reaktionsmasse von 1H-Benzotriazol-1-methanami-n<(>,<)>N,N-bis(2-ethylhexyl)-6-Methyl-,2H-Benzotriazol-2-methanamin, N,N-bis(2-ethylhexyl)-4-Methyl-, 2H-Benzotriazol-2-methanamin, N,N-bis(2-ethylhexyl)-5-Methyl-, N,N-Bis(2-ethylhexyl)-4-Methyl-1H-benzotriazol-1-methylamin und N,N-Bis(2-ethylhexyl)-5-Methyl-1H-benzotriazol-1-methylamin	
	Xi - Irritant, N - Dangerous for the environment R38-43-50-53	< 1 %
	Skin Irrit. 2, Skin Sens. 1, Aquatic Acute 1 (M-Factor = 1), Aquatic Chronic 2; H315 H317 H400 H411	
01-2119982395-25		

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

**SECTION 4: First aid measures**

**4.1. Description of first aid measures**

**General information**

Self-protection of the first aider

Change contaminated clothing.

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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.

**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).

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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.

#### **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.

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

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:	green
Odour:	characteristic

**Test method**

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pH-Value:	not applicable	DIN 51369
<b>Changes in the physical state</b>		
Pourpoint::	~-51 °C	DIN ISO 3016
Flash point:	>100 °C	ISO 2592
Ignition temperature:	No data available	
Vapour pressure: (at 20 °C)	<0,1 hPa	calculated.
Density (at 15 °C):	~0,84 g/cm <sup>3</sup>	DIN 51757
Water solubility: (at 20 °C)	practically insoluble	
<b>Solubility in other solvents</b>		
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**

Solid content:	0
none	

**SECTION 10: Stability and reactivity**

**10.1. Reactivity**

No data available

**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.

**10.4. Conditions to avoid**

No data available

**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**

**Toxicocinetics, metabolism and distribution**

No data available.

**Acute toxicity**

No data available.  
Irritant effect on the respiratory tract: Do not breathe gas/vapour.

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**ATEmix calculated**

ATE (inhalative vapour) 4,21 mg/l; ATE (inhalative aerosol) 2,525 mg/l

CAS No	Chemical name			
	Exposure routes	Method	Dose	Species
68649-11-6	1-decene, dimer, hydrated			
	oral	LD50	>2000 mg/kg	
	dermal	LD50	>2000 mg/kg	
	inhalative vapour	LC50	< 5.0 mg/l	
	inhalative aerosol	ATE	1,5 mg/l	
72623-87-1	Baseoil - unspecified, Lubricating oils (petroleum), C20-50, hydrotreated neutral oil-based			
	oral	LD50	=> 5000 mg/kg	Rat
	dermal	LD50 mg/kg	= > 2000	Rabbit
	inhalative (4 h) vapour	LC50	= > 5.53 mg/l	Rat
	Reaktionsmasse von 1H-Benzotriazol-1-methanami-n<(>,<)>N,N-bis(2-ethylhexyl)-6-Methyl-, 2H-Benzotriazol-2-methanamin, N,N-bis(2-ethylhexyl)-4-Methyl-, 2H-Benzotriazol-2-methanamin, N,N-bis(2-ethylhexyl)-5-Methyl-, N,N-Bis(2-ethylhexyl)-4-Methyl-1H-benzotriazol-1-methylamin und N,N-Bis(2-ethylhexyl)-5-Methyl-1H-benzotriazol-1-methylamin			
	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.

**Severe effects after repeated or prolonged exposure**

Frequently or prolonged contact with skin may cause dermal irritation.

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

The product is not classified.

**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.

**Further information**

No data available.

**SECTION 12: Ecological information**

**12.1. Toxicity**

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No data available.

CAS No	Chemical name				
	Aquatic toxicity	Method	Dose	[h]   [d]	Species
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
	Reaktionsmasse von 1H-Benzotriazol-1-methanami-n<(>,<)>N,N-bis(2-ethylhexyl)-6-Methyl-,2H-Benzotriazol-2-methanamin, N,N-bis(2-ethylhexyl)-4-Methyl-, 2H-Benzotriazol-2-methanamin, N,N-bis(2-ethylhexyl)-5-Methyl-, N,N-Bis(2-ethylhexyl)-4-Methyl-1H-benzotriazol-1-methylamin und N,N-Bis(2-ethylhexyl)-5-Methyl-1H-benzotriazol-1-methylamin				
	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
68649-11-6	1-decene, dimer, hydrated	> 6.5
72623-87-1	Baseoil - unspecified, Lubricating oils (petroleum), C20-50, hydrotreated neutral oil-based	> 6
	Reaktionsmasse von 1H-Benzotriazol-1-methanami-n<(>,<)>N,N-bis(2-ethylhexyl)-6-Methyl-,2H-Benzotriazol-2-methanamin, N,N-bis(2-ethylhexyl)-4-Methyl-, 2H-Benzotriazol-2-methanamin, N,N-bis(2-ethylhexyl)-5-Methyl-, N,N-Bis(2-ethylhexyl)-4-Methyl-1H-benzotriazol-1-methylamin und N,N-Bis(2-ethylhexyl)-5-Methyl-1H-benzotriazol-1-methylamin	>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**

- 130111 OIL WASTES AND WASTES OF LIQUID FUELS (except edible oils, and those in chapters 05, 12 and 19); waste hydraulic oils; synthetic hydraulic oils  
Classified as hazardous waste.

**Waste disposal number of used product**

- 130111 OIL WASTES AND WASTES OF LIQUID FUELS (except edible oils, and those in chapters 05, 12 and 19); waste hydraulic oils; synthetic hydraulic oils  
Classified as 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)**

**14.2. UN proper shipping name:** Hydraulic steering fluid

**Other applicable information (land transport)**

No dangerous good in sense of this transport regulation.

**Inland waterways transport (ADN)**

**14.2. UN proper shipping name:** Hydraulic steering fluid

**Other applicable information (inland waterways transport)**

No dangerous good in sense of this transport regulation.

**Marine transport (IMDG)**

**14.2. UN proper shipping name:** Hydraulic steering fluid

**Other applicable information (marine transport)**

No dangerous good in sense of this transport regulation.

**Air transport (ICAO)**

**14.2. UN proper shipping name:** Hydraulic steering fluid

**Other applicable information (air transport)**

No dangerous good in sense of this transport regulation.

**14.5. Environmental hazards**

ENVIRONMENTALLY HAZARDOUS: no

**SECTION 15: Regulatory information**

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

**EU regulatory information**

**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 - water contaminating

**SECTION 16: Other information**



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**Relevant R-phrases (Number and full text)**

Harmful by inhalation.  
Irritating to skin.  
Risk of serious damage to eyes.  
May cause sensitisation by skin contact.  
Very toxic to aquatic organisms.  
Harmful to aquatic organisms.  
May cause long-term adverse effects in the aquatic environment.  
Harmful: may cause lung damage if swallowed.

**Relevant H- and EUH-phrases (Number and full text)**

May be fatal if swallowed and enters airways.  
Causes skin irritation.  
May cause an allergic skin reaction.  
Causes serious eye damage.  
Toxic if inhaled.  
Harmful if inhaled.  
Very toxic to aquatic life.  
Very toxic to aquatic life with long lasting effects.  
Toxic to aquatic life with long lasting effects.  
Harmful to aquatic life with long lasting effects.  
Contains Di-alkylaminomethyl-tolytriazole, Propanoic acid,  
3-[[bis(2-methylpropoxy)phosphinothioyl]thio]-2-methyl-(9CI). 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.

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