

# Safety Data Sheet

according to the REACH Regulation (EC) 1907/2006 amended by Regulation (EU) 2020/878 Issue date: 8-4-2011 Revision date: 28-4-2023 Supersedes: 2-2-2023 version: 5.1

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

### 1.1. Product identifier

Product form Trade name Product code	<ul> <li>Mixture</li> <li>MPM ATF Automatic Transmission Fluid Dexron VI</li> <li>16000VI</li> </ul>
Type of product	: Other engine, gear and lubricating oils.
Product group	: Mixture

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

### 1.2.1. Relevant identified uses

Main use category Function or use category Professional useLubricants and additives

### 1.2.2. Uses advised against

No additional information available

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

#### Manufacturer

MPM International Oil Company BV Cyclotronweg 1 2629 HN Delft - Nederland T +31 (0)15 2514030 info@mpmoil.com - www.mpmoil.com

### 1.4. Emergency telephone number

#### Emergency number

### : +31 (0)15 2514030 (08.00 - 17.00 GMT+1)

Country	Organisation/Company	Address	Emergency number	Comment
Ireland	National Poisons Information Centre Beaumont Hospital	PO Box 1297 Beaumont Road 9 Dublin	+353 1 809 2566 (Healthcare professionals- 24/7) +353 1 809 2166 (public, 8am - 10pm, 7/7)	
United Kingdom	Guy's & St Thomas' Poisons Unit Medical Toxicology Unit, Guy's & St Thomas' Hospital Trust	Avonley Road SE14 5ER	+44 20 7188 7188	

# **SECTION 2: Hazards identification**

2.1. Classification of the substance	or mixture	
Classification according to Regulation ( Hazardous to the aquatic environment – Cl Full text of H- and EUH-statements: see se	nronic Hazard, Category 3	H412
Adverse physicochemical, human health No additional information available	and environmental effects	
2.2. Label elements		
Labelling according to Regulation (EC) I	No. 1272/2008 [CLP]	
CLP Signal word Hazard statements (CLP)	: - : H412 - Harmful to	aquatic life with long lasting effects.

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Precautionary statements (CLP)	<ul> <li>P102 - Keep out of reach of children.</li> <li>P273 - Avoid release to the environment.</li> <li>P501 - Dispose of contents/container in accordance with local and national regulations.</li> </ul>
EUH-statements	: EUH208 - Contains: C14-18 alpha-olefin epoxide, reaction products with boric acid, 1,2- propanediol, 3-amino-, N,N-dicoco alkyl derivs, Acetamide, 2-hydroxy,N,N-dicocoalkyl derivatives. May produce an allergic reaction.

# 2.3. Other hazards

Contains no PBT and/or vPvB substances ≥ 0.1% assessed in accordance with REACH Annex XIII

The mixture does not contain substance(s) included in the list established in accordance with Article 59(1) of REACH for having endocrine disrupting properties, or substance(s) are not identified as having endocrine disrupting properties in accordance with the criteria set out in Commission Delegated Regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at a concentration equal to or greater than 0,1 %

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

### 3.1. Substances

### Not applicable

# 3.2. Mixtures

Comments

: Highly refined mineral oil, contains <3% (w/w) DMSO extract, according to IP346

Name	Product identifier	%	Classification according to Regulation (EC) No. 1272/2008 [CLP]
Thiophene, tetrahydro-, 1,1-dioxide, 3-(C9-11- isoalkyloxy)derivs., C10-rich	CAS-No.: 398141-87-2 EC-No.: 800-172-4 REACH-no: 01-2119969520- 35	≥ 1 – ≤ 1,49	Aquatic Chronic 2, H411
Reaction products of benzeneamine, N-phenyl- with nonene (branched)	CAS-No.: 36878-20-3 EC-No.: 253-249-4 REACH-no: 01-2119488911- 28	≥ 1 – ≤ 1,49	Aquatic Chronic 4, H413
1,2- propanediol, 3-amino-, N,N-dicoco alkyl derivs	EC-No.: 482-000-4 REACH-no: 01-0000020142- 86	≥ 0,1 – ≤ 0,99	Skin Sens. 1, H317 Aquatic Chronic 3, H412
Acetamide, 2-hydroxy,N,N-dicocoalkyl derivatives	EC-No.: 471-920-1 REACH-no: 01-0000019770- 68	≥ 0,1 – ≤ 0,99	Skin Sens. 1B, H317
1-(tert-dodecylthio)propan-2-ol	CAS-No.: 67124-09-8 EC-No.: 266-582-5 REACH-no: 01-2119953277- 30	≥ 0,1 – ≤ 0,75	Skin Sens. 1B, H317 Aquatic Acute 1, H400 Aquatic Chronic 1, H410
C14-18 alpha-olefin epoxide, reaction products with boric acid	EC-No.: 939-580-3 REACH-no: 01-2119976364- 28	≥ 0,1 – ≤ 0,24	Skin Sens. 1B, H317
2,2'-(C16-18 (evennumbered, C18 unsaturated) alkyl imino) diethanol	CAS-No.: 1218787-32-6 EC-No.: 620-540-6 REACH-no: 01-2119510877- 33	≥ 0,1 – ≤ 0,24	Acute Tox. 4 (Oral), H302 Skin Corr. 1C, H314 Eye Dam. 1, H318 Aquatic Acute 1, H400 (M=10) Aquatic Chronic 1, H410

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Name	Product identifier	%	Classification according to Regulation (EC) No. 1272/2008 [CLP]
Benzene, polypropene derivatives, sulfonated, calcium salts	CAS-No.: 75975-85-8 EC-No.: POLYMER REACH-no: 01-2120040541- 70	≥ 0,1 – ≤ 0,24	Skin Sens. 1B, H317
2-(2-heptadec-8-enyl-2-imidazolin-1-yl)ethanol	CAS-No.: 95-38-5 EC-No.: 202-414-9 REACH-no: 01-2119777867- 13	≥ 0,1 – ≤ 0,24	Acute Tox. 4 (Oral), H302 Skin Corr. 1C, H314 Eye Dam. 1, H318 STOT RE 2, H373 Aquatic Acute 1, H400 (M=10) Aquatic Chronic 1, H410

Specific concentration limits		
Name	Product identifier	Specific concentration limits
Acetamide, 2-hydroxy,N,N-dicocoalkyl derivatives	EC-No.: 471-920-1 REACH-no: 01-0000019770- 68	(9,4 ≤ C < 100) Skin Sens. 1, H317
1-(tert-dodecylthio)propan-2-ol	CAS-No.: 67124-09-8 EC-No.: 266-582-5 REACH-no: 01-2119953277- 30	(14,2 ≤ C < 100) Skin Sens. 1B, H317
Benzene, polypropene derivatives, sulfonated, calcium salts	CAS-No.: 75975-85-8 EC-No.: POLYMER REACH-no: 01-2120040541- 70	(10 ≤ C < 100) Skin Sens. 1B, H317

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

# **SECTION 4: First aid measures**

After inhalation After skin contact After eye contact After ingestion	<ul> <li>Not required.</li> <li>Wash skin with mild soap and water.</li> <li>In case of eye contact, immediately rinse with clean water for 10-15 minutes.</li> <li>Do NOT induce vomiting. Rinse mouth out with water. Get immediate medical advice/attention.</li> </ul>
4.2. Most important symptoms and e	ffects, both acute and delayed
After inhalation	: Not expected to present a significant inhalation hazard under anticipated conditions of normal use.
After skin contact	: Not expected to present a significant skin hazard under anticipated conditions of normal use.
After eye contact	<ul> <li>Not expected to present a significant eye contact hazard under anticipated conditions of normal use.</li> </ul>
After ingestion	<ul> <li>Not expected to present a significant ingestion hazard under anticipated conditions of normal use.</li> </ul>

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

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SECTION 5: Firefighting measures	
5.1. Extinguishing media	
Suitable extinguishing media Unsuitable extinguishing media	: Water spray, powder, foam and CO2. : Do not use a heavy water stream.
5.2. Special hazards arising from the sub	ostance or mixture
No additional information available	
5.3. Advice for firefighters	
Precautionary measures fire Firefighting instructions Protection during firefighting	<ul> <li>Exercise caution when fighting any chemical fire.</li> <li>Use water spray or fog for cooling exposed containers.</li> <li>Do not enter fire area without proper protective equipment, including respiratory protection.</li> </ul>
SECTION 6: Accidental release meas	sures
6.1. Personal precautions, protective equ	uipment and emergency procedures
General measures	: If spilled, may cause the floor to be slippery.
6.1.1. For non-emergency personnel	
Protective equipment Emergency procedures	: Gloves. Safety glasses. : Do not breathe vapours.
6.1.2. For emergency responders	
Protective equipment	: Wear suitable protective clothing and gloves. Safety glasses.
	. Wear suitable protective clothing and gloves. Salety glasses.
6.2. Environmental precautions	
6.2. Environmental precautions	authorities if product enters sewers or public waters.
6.2. Environmental precautions	authorities if product enters sewers or public waters.
<b>6.2. Environmental precautions</b> Prevent entry to sewers and public waters. Notify	authorities if product enters sewers or public waters. <b>nt and cleaning up</b> : Contain any spills with dikes or absorbents to prevent migration and entry into sewers or
<ul><li>6.2. Environmental precautions</li><li>Prevent entry to sewers and public waters. Notify</li><li>6.3. Methods and material for containmental</li></ul>	authorities if product enters sewers or public waters. nt and cleaning up
<ul> <li>6.2. Environmental precautions</li> <li>Prevent entry to sewers and public waters. Notify</li> <li>6.3. Methods and material for containment</li> <li>For containment</li> <li>Methods for cleaning up</li> </ul>	<ul> <li>authorities if product enters sewers or public waters.</li> <li>nt and cleaning up </li> <li>Contain any spills with dikes or absorbents to prevent migration and entry into sewers or streams. <ul> <li>Detergent. Clean up any spills as soon as possible, using an absorbent material to collect it.</li> </ul> </li> </ul>
<ul> <li>6.2. Environmental precautions</li> <li>Prevent entry to sewers and public waters. Notify</li> <li>6.3. Methods and material for containment</li> <li>For containment</li> <li>Methods for cleaning up</li> <li>Other information</li> </ul>	<ul> <li>authorities if product enters sewers or public waters.</li> <li>nt and cleaning up </li> <li>Contain any spills with dikes or absorbents to prevent migration and entry into sewers or streams. <ul> <li>Detergent. Clean up any spills as soon as possible, using an absorbent material to collect it.</li> </ul> </li> </ul>
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<ul> <li>6.2. Environmental precautions</li> <li>Prevent entry to sewers and public waters. Notify</li> <li>6.3. Methods and material for containment</li> <li>For containment</li> <li>Methods for cleaning up</li> <li>Other information</li> <li>6.4. Reference to other sections</li> <li>No additional information available</li> </ul>	<ul> <li>authorities if product enters sewers or public waters.</li> <li>nt and cleaning up </li> <li>Contain any spills with dikes or absorbents to prevent migration and entry into sewers or streams. <ul> <li>Detergent. Clean up any spills as soon as possible, using an absorbent material to collect it.</li> </ul> </li> </ul>
<ul> <li>6.2. Environmental precautions</li> <li>Prevent entry to sewers and public waters. Notify</li> <li>6.3. Methods and material for containment</li> <li>For containment</li> <li>Methods for cleaning up Other information</li> <li>6.4. Reference to other sections</li> <li>No additional information available</li> <li>SECTION 7: Handling and storage</li> </ul>	<ul> <li>authorities if product enters sewers or public waters.</li> <li>nt and cleaning up <ul> <li>Contain any spills with dikes or absorbents to prevent migration and entry into sewers or streams.</li> <li>Detergent. Clean up any spills as soon as possible, using an absorbent material to collect it.</li> <li>Spill area may be slippery. Use suitable disposal containers.</li> </ul> </li> <li>Avoid all unnecessary exposure. Both local exhaust and general room ventilation are</li> </ul>
<ul> <li>6.2. Environmental precautions</li> <li>Prevent entry to sewers and public waters. Notify</li> <li>6.3. Methods and material for containment</li> <li>For containment</li> <li>Methods for cleaning up Other information</li> <li>6.4. Reference to other sections</li> <li>No additional information available</li> <li>SECTION 7: Handling and storage</li> <li>7.1. Precautions for safe handling</li> </ul>	<ul> <li>authorities if product enters sewers or public waters.</li> <li>nt and cleaning up <ol> <li>Contain any spills with dikes or absorbents to prevent migration and entry into sewers or streams.</li> <li>Detergent. Clean up any spills as soon as possible, using an absorbent material to collect it.</li> <li>Spill area may be slippery. Use suitable disposal containers.</li> </ol> </li> <li>Avoid all unnecessary exposure. Both local exhaust and general room ventilation are usually required.</li> <li>Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No</li> </ul>
<ul> <li>6.2. Environmental precautions</li> <li>Prevent entry to sewers and public waters. Notify</li> <li>6.3. Methods and material for containment</li> <li>For containment</li> <li>Methods for cleaning up Other information</li> <li>6.4. Reference to other sections</li> <li>No additional information available</li> <li>SECTION 7: Handling and storage</li> <li>7.1. Precautions for safe handling</li> <li>Additional hazards when processed</li> </ul>	<ul> <li>authorities if product enters sewers or public waters.</li> <li>nt and cleaning up <ul> <li>Contain any spills with dikes or absorbents to prevent migration and entry into sewers or streams.</li> <li>Detergent. Clean up any spills as soon as possible, using an absorbent material to collect it.</li> <li>Spill area may be slippery. Use suitable disposal containers.</li> </ul> </li> <li>k Avoid all unnecessary exposure. Both local exhaust and general room ventilation are usually required.</li> </ul>

7.2. Conditions for safe storage, including any incompatibilities		
Technical measures Storage conditions Storage temperature Storage area	<ul> <li>Store in a closed container.</li> <li>Keep container closed when not in use.</li> <li>≤ 40 °C</li> <li>Store in dry, well-ventilated area.</li> </ul>	

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### 7.3. Specific end use(s)

No additional information available

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

# 8.1. Control parameters

8.1.1. National occupational exposure and biological limit values

No additional information available

8.1.2. Recommended monitoring procedures

No additional information available

#### 8.1.3. Air contaminants formed

No additional information available

#### 8.1.4. DNEL and PNEC

Additional information

: Based on ACGIH TLV, a concentration of 5 mg/m3 oilspray (TWA, 8 hour workday) is recommended.

#### 8.1.5. Control banding

No additional information available

8.2. Exposure controls

#### 8.2.1. Appropriate engineering controls

#### **Technical measures:**

No additional information available.

### 8.2.2. Personal protection equipment

# Personal protective equipment:

Gloves. Safety glasses.

Personal protective equipment symbol(s):



### 8.2.2.1. Eye and face protection

Eye protection: Safety goggles

### 8.2.2.2. Skin protection

# Skin and body protection:

No special clothing/skin protection equipment is recommended under normal conditions of use

#### Hand protection:

Protective gloves

Hand protection					
Туре	Material	Permeation	Thickness (mm)	Penetration	Standard
Gloves	Nitrile rubber (NBR)	6 (> 480 minutes)	> 0,4		EN ISO 374

#### 8.2.2.3. Respiratory protection

#### Respiratory protection:

No special respiratory protection equipment is recommended under normal conditions of use with adequate ventilation

#### 8.2.2.4. Thermal hazards

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## 8.2.3. Environmental exposure controls

No additional information available

SECTION 9: Physical and chemical properties			
9.1. Information on basic physical and chemical properties			
Physical state	: Liquid.		
Colour	: Red.		
Appearance	: Oily liquid.		
Odour	: Characteristic.		
Odour threshold	: Not available		
Melting point	: Not available		
Freezing point	: Not available		
Boiling point	: Not available		
Flammability	: Not available		
Explosive limits	: Not available		
Lower explosion limit	: Not available		
Upper explosion limit	: Not available		
Flash point	: > 200 °C @ ASTM D92		
Auto-ignition temperature	: Not available		
Decomposition temperature	: Not available		
рН	: Not available		
Viscosity, kinematic	: 31 mm²/s @ 40°C		
Solubility	: Slightly soluble, the product remains on the water surface.		
Log Kow	: Not available		
Vapour pressure	: Not available		
Vapour pressure at 50°C	: Not available		
Density	: 845 kg/m³ @ 15°C		
Relative density	: Not available		
Relative vapour density at 20°C	: Not available		
Particle size	: Not applicable		
Particle size distribution	: Not applicable		
Particle shape	: Not applicable		
Particle aspect ratio	: Not applicable		
Particle aggregation state	: Not applicable		
Particle agglomeration state	: Not applicable		
Particle specific surface area	: Not applicable		
Particle dustiness	: Not applicable		

# 9.2. Other information

## 9.2.1. Information with regard to physical hazard classes

No additional information available

# 9.2.2. Other safety characteristics

No additional information available

# SECTION 10: Stability and reactivity

### 10.1. Reactivity

None under normal conditions.

**10.2. Chemical stability** 

Stable under normal conditions of use.

10.3. Possibility of hazardous reactions

No dangerous reactions known under normal conditions of use.

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10.4. Conditions to avoid
No naked flames, sparks, and do not smoke.
10.5. Incompatible materials
Strong oxidizing agent. Acids and bases.
10.6. Hazardous decomposition products
None under normal conditions.

# SECTION 11: Toxicological information

11.1. Information on hazard classes as defined	d in Regulation (EC) No 1272/2008	
Acute toxicity (oral):Acute toxicity (dermal):Acute toxicity (inhalation):	Not classified Not classified Not classified	
2,2'-(C16-18 (evennumbered, C18 unsaturated imino) diethanol (1218787-32-6)	l) alkyl	
ATE CLP (oral)	500 mg/kg bodyweight	
1-(tert-dodecylthio)propan-2-ol (67124-09-8)		
LD50 oral rat	> 5000 mg/kg bodyweight	
LD50 dermal rabbit	> 2000 mg/kg bodyweight	
1,2- propanediol, 3-amino-, N,N-dicoco alkyl c	lerivs	
LD50 oral rat	> 2500 mg/kg bodyweight	
LD50 dermal rat	> 2000 mg/kg bodyweight	
2-(2-heptadec-8-enyl-2-imidazolin-1-yl)ethanol (95-38-5)		
ATE CLP (oral)	500 mg/kg bodyweight	
Reaction products of benzeneamine, N-pheny	rl- with nonene (branched) (36878-20-3)	
LD50 oral rat	> 5000 mg/m³ (OECD 401 method)	
LD50 dermal rat	> 2000 mg/kg (OECD 402 method)	
Skin corrosion/irritation:Serious eye damage/irritation:	Not classified Not classified (Based on available data, the classification criteria are not met.) (Based on available data, the classification criteria are not met.)	
Respiratory or skin sensitisation :	Not classified	
Germ cell mutagenicity : Carcinogenicity :	Not classified Not classified	
Reproductive toxicity :	Not classified	
STOT-single exposure	Not classified	
STOT-repeated exposure :	Not classified	
1-(tert-dodecylthio)propan-2-ol (67124-09-8)		
NOAEL (oral, rat, 90 days)	167 mg/kg bodyweight	
1,2- propanediol, 3-amino-, N,N-dicoco alkyl derivs		
NOAEL (oral, rat, 90 days)	150 mg/kg bodyweight	
2-(2-heptadec-8-enyl-2-imidazolin-1-yl)ethano	l (95-38-5)	
STOT-repeated exposure	May cause damage to organs through prolonged or repeated exposure.	
Aspiration hazard :	Not classified	

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MPM ATF Automatic Transmission Fluid Dexron VI		
Viscosity, kinematic 31 mm <sup>2</sup> /s @ 40°C		
11.2. Information on other hazards		
11.2.1. Endocrine disrupting properties		
Adverse health effects caused by endocrine disrupting properties	: The mixture does not contain substance(s) included in the list established in accordance with Article 59(1) of REACH for having endocrine disrupting properties, or substance(s) are not identified as having endocrine disrupting properties in accordance with the criteria set out in Commission Delegated Regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at a concentration equal to or greater than 0,1 %	

# 11.2.2. Other information

SECTION 12: Ecological information			
12.1. Toxicity			
Hazardous to the aquatic environment, short–term : Not classified (acute) Hazardous to the aquatic environment, long–term : Harmful to aquatic life with long lasting effects. (chronic)			
Thiophene, tetrahydro-, 1,1-dioxide, 3-(C9-11-isoalkyloxy)derivs., C10-rich (398141-87-2)			
_C50 fish 1 2,4 mg/l Oncorhynchus mykiss			
LC50 fish 2	3,3 mg/l Cyprinodon variegatus		
EC50 Daphnia 1	4,6 mg/l Daphnia Magna		
EC50 72h - Algae [1] 63 mg/l Selenastrum capricornutum			
NOEC chronic fish	1 mg/l @4d Oncorhynchus mykiss		
NOEC chronic crustacea	0,63 mg/l 2d Daphnia magna		
NOEC chronic algae	0,313 mg/l 3d Selenastrum capricornutum		
C14-18 alpha-olefin epoxide, reaction product	s with boric acid		
LC50 fish 1	> 100 mg/l (Oncorhynchus mykiss)		
EC50 Daphnia 1	> 100 mg/l (Daphnia magna)		
EC50 72h - Algae [1]	> 100 mg/l (Selenastrum capiricomutum)		
NOEC (acute)	NOEC Acute 32 mg/l @ 2DY (Daphnia Magna)		
2,2'-(C16-18 (evennumbered, C18 unsaturated) alkyl imino) diethanol (1218787-32-6)			
LC50 fish 1	0,1 mg/l Brachydanio rerio		
EC50 Daphnia 1	0,043 mg/l Daphnia magna		
EC50 72h - Algae [1]	0,0053 mg/l Pseudokirchneriella subcapitata		
NOEC chronic algae	0,0156 mg/l @3DY (Pseudokirchneriella subcapitata)		
1-(tert-dodecylthio)propan-2-ol (67124-09-8)			
LC50 fish 1	0,75 mg/l Oncorhynchus mykiss		
EC50 Daphnia 1	0,58 mg/l Daphnia magna		
EC50 72h - Algae [1]	> 100 mg/l Selenastrum capricomutum		
NOEC chronic fish	56 mg/l @4DY (Oncorhynchus mykiss)		
NOEC chronic crustacea	32 mg/l @2DY (Daphnia magna)		

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1-(tert-dodecylthio)propan-2-ol (67124-09-8)			
IOEC chronic algae 100 mg/l @4DY (Selenastrum capricomutum)			
1,2- propanediol, 3-amino-, N,N-dicoco alkyl derivs			
LC50 fish 1	> 100 mg/l Oncorhyncus mykiss		
EC50 other aquatic organisms 1	230 mg/l		
EC50 72h - Algae [1]	10 mg/l Desmodesmus subspicatus		
EC50 72h - Algae [2]	16 mg/l Desmodesmus subspicatus		
Acetamide, 2-hydroxy,N,N-dicocoalkyl derivatives			
EC50 Daphnia 1	180 mg/l Daphnia magna		
NOEC (chronic)	≈ 56 mg/l		
NOEC chronic crustacea	100 mg/l @21DY (Daphnia magna)		
2-(2-heptadec-8-enyl-2-imidazolin-1-yl)ethano	l (95-38-5)		
LC50 fish 1	0,3 mg/l Brachydanio rerio		
EC50 Daphnia 1	0,163 mg/l Daphnia magna		
EC50 Daphnia 2	0,34 mg/l		
EC50 72h - Algae [1]	0,03 mg/l		
NOEC chronic algae	0,011 mg/l		
Reaction products of benzeneamine, N-pheny	rl- with nonene (branched) (36878-20-3)		
LC50 fish 1	100 mg/l OECD 203 (Danio rerio @96h)		
EC50 Daphnia 1	> 100 mg/l OECD 202 (Daphnia magna @48h)		
EC50 other aquatic organisms 1	> 100 mg/l OECD 201 (Desmodesmus subspicatus @72h)		
12.2. Persistence and degradability			
MPM ATF Automatic Transmission Fluid Dex	ron VI		
Persistence and degradability	Not soluble in water, so only minimally biodegradable.		
Thiophene, tetrahydro-, 1,1-dioxide, 3-(C9-11-	isoalkyloxy)derivs., C10-rich (398141-87-2)		
Persistence and degradability	Not readily biodegradable.		
BOD (% of ThOD)	9,6 % ThOD Thod 28d OECD TG 301F		
2,2'-(C16-18 (evennumbered, C18 unsaturated) alkyl imino) diethanol (1218787-32-6)			
BOD (% of ThOD)	63 % ThOD @28DY OECD TG 301 D		
1-(tert-dodecylthio)propan-2-ol (67124-09-8)			
BOD (% of ThOD)	5,9 % ThOD @28DY OECD TG 301 F		
Reaction products of benzeneamine, N-phenyl- with nonene (branched) (36878-20-3)			
Biodegradation	1 % @28d		
12.3. Bioaccumulative potential			
Thiophene, tetrahydro-, 1,1-dioxide, 3-(C9-11-	isoalkyloxy)derivs., C10-rich (398141-87-2)		
Bioconcentration factor (BCF REACH)	27,54		

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Thiophene, tetrahydro-, 1,1-dioxide, 3-(C9-11-isoalkyloxy)derivs., C10-rich (398141-87-2)		
Log Kow	4,1	
Bioaccumulative potential	Bioaccumulation possible.	
C14-18 alpha-olefin epoxide, reaction products with boric acid		
Log Kow	9,4 Calc.	
2,2'-(C16-18 (evennumbered, C18 unsaturated) alkyl imino) diethanol (1218787-32-6)		
BCF fish 1	110,2 mg/kg	
Log Kow	3,6	
1-(tert-dodecylthio)propan-2-ol (67124-09-8)		
Log Kow	5,7	
2-(2-heptadec-8-enyl-2-imidazolin-1-yl)ethanol (95-38-5)		
Log Kow	> 7	
Reaction products of benzeneamine, N-phenyl- with nonene (branched) (36878-20-3)		
Log Pow	> 7,6	
Bioaccumulative potential	Bioaccumulative potential.	

# 12.4. Mobility in soil

MPM ATF Automatic Transmission Fluid Dexron VI		
Soil Prevent soil and water pollution.		
Thiophene, tetrahydro-, 1,1-dioxide, 3-(C9-11-isoalkyloxy)derivs., C10-rich (398141-87-2)		
Soil Adsorbs into the soil.		
Reaction products of benzeneamine, N-phenyl- with nonene (branched) (36878-20-3)		
Soil Adsorbs into the soil.		
12.5. Results of PBT and vPvB assessment		

### No additional information available

**12.6. Endocrine disrupting properties** 

Adverse effects on the environment caused by : The product does not contain any substances with endocrine disrupting properties.

# 12.7. Other adverse effects

SECTION 13: Disposal considerations	
13.1. Waste treatment methods	
Additional information	: This material and its container must be disposed of in a safe way, and as per local legislation.
European List of Waste (LoW, EC 2000/532)	: 13 02 06* - synthetic engine, gear and lubricating oils

# Safety Data Sheet

according to the REACH Regulation (EC) 1907/2006 amended by Regulation (EU) 2020/878

SECTION 14: Transport information	
In accordance with ADR / IMDG	
14.1. UN number or ID number	
UN-No. UN-No. (IMDG)	: Not regulated : Not regulated
14.2. UN proper shipping name	
Proper Shipping Name (ADR) Proper Shipping Name (IMDG)	: Not regulated : Not regulated
14.3. Transport hazard class(es)	
ADR Transport hazard class(es) (ADR)	: Not regulated
IMDG Transport hazard class(es) (IMDG)	: Not regulated
14.4. Packing group	
Packing group (ADR) Packing group (IMDG)	: Not regulated : Not regulated
14.5. Environmental hazards	
Dangerous for the environment Marine pollutant Other information	: No : No : No supplementary information available
14.6. Special precautions for user	
Overland transport Not regulated	
Transport by sea Not regulated	
14.7. Maritime transport in bulk according	g to IMO instruments
Not applicable	

Not applicable

# **SECTION 15: Regulatory information**

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

#### 15.1.1. EU-Regulations

Contains no substance(s) listed on REACH Annex XVII (Restriction Conditions)

Contains no substance(s) listed on the REACH Candidate List

Contains no substance(s) listed on REACH Annex XIV (Authorisation List)

Contains no substance(s) listed on the PIC list (Regulation EU 649/2012 concerning the export and import of hazardous chemicals)

Contains no substance(s) listed on the POP list (Regulation EU 2019/1021 on persistent organic pollutants)

### 15.1.2. National regulations

No additional information available

15.2. Chemical safety assessment

# Safety Data Sheet

according to the REACH Regulation (EC) 1907/2006 amended by Regulation (EU) 2020/878

SECTION 16: Other information			
Indication of changes			
Section	Changed item	Change	Comments
	Revision date	Modified	
	Supersedes	Modified	

Full text of H- and EUH-statements		
Acute Tox. 4 (Oral)	Acute toxicity (oral), Category 4	
Aquatic Acute 1	Hazardous to the aquatic environment – Acute Hazard, Category 1	
Aquatic Chronic 1	Hazardous to the aquatic environment – Chronic Hazard, Category 1	
Aquatic Chronic 2	Hazardous to the aquatic environment – Chronic Hazard, Category 2	
Aquatic Chronic 3	Hazardous to the aquatic environment – Chronic Hazard, Category 3	
Aquatic Chronic 4	Hazardous to the aquatic environment – Chronic Hazard, Category 4	
EUH208	Contains: C14-18 alpha-olefin epoxide, reaction products with boric acid, 1,2- propanediol, 3-amino-, N,N-dicoco alkyl derivs, Acetamide, 2-hydroxy,N,N-dicocoalkyl derivatives. May produce an allergic reaction.	
Eye Dam. 1	Serious eye damage/eye irritation, Category 1	
H302	Harmful if swallowed.	
H314	Causes severe skin burns and eye damage.	
H317	May cause an allergic skin reaction.	
H318	Causes serious eye damage.	
H373	May cause damage to organs through prolonged or repeated exposure.	
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.	
H413	May cause long lasting harmful effects to aquatic life.	
Skin Corr. 1C	Skin corrosion/irritation, Category 1, Sub-Category 1C	
Skin Sens. 1	Skin sensitisation, Category 1	
Skin Sens. 1B	Skin sensitisation, category 1B	
STOT RE 2	Specific target organ toxicity – Repeated exposure, Category 2	

SDS MPM REACH

This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product.