

# Safety Data Sheet

according to the REACH Regulation (EC) 1907/2006 amended by Regulation (EU) 2020/878 Issue date: 11/12/2015 Revision date: 06/02/2023 Supersedes: 02/12/2020 version: 2.0

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

### 1.1. Product identifier

Product form : Mixture

Trade name : MPM Borg Warner Fluid GEN I UFI : WGGP-8D15-JF0Y-C3M7

Product code : 50000BWH

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

### Relevant identified uses

Main use category : Professional use, Consumer use, Industrial use

Industrial/Professional use spec : Non-dispersive use

Used in closed systems

Function or use category : Lubricants and additives

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

### Manufacturer

MPM International Oil Company BV

Cyclotronweg 1

NL 2629 HN Delft, Zuid Holland

Nederland

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

info@mpmoil.com, www.mpmoil.com

# 1.4. Emergency telephone number

Country/Area	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)	

# **SECTION 2: Hazards identification**

# 2.1. Classification of the substance or mixture

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

Hazardous to the aquatic environment – Chronic Hazard, H412

Category 3

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

### Adverse physicochemical, human health and environmental effects

No additional information available

### 2.2. Label elements

# Labelling according to Regulation (EC) No. 1272/2008 [CLP]

CLP Signal word : -

Hazard statements (CLP) : H412 - Harmful to aquatic life with long lasting effects.

Precautionary statements (CLP) : P273 - Avoid release to the environment.

P501 - Dispose of contents/container in accordance with local and national regulations.

P102 - Keep out of reach of children.

EUH-statements : EUH208 - Contains: Olefin derivative, Triphenyl phosphite. May produce an allergic

reaction.

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# 2.3. Other hazards

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

Component	
Substance(s) not meeting the PBT criteria of REACH regulation, in accordance with Annex XIII	Zinc bis[O,O-bis(2-ethylhexyl)] bis(dithiophosphate) (4259-15-8), Olefin derivative, Triphenyl phosphite (101-02-0)
Substance(s) not meeting the vPvB criteria of REACH regulation, in accordance with Annex XIII	Zinc bis[O,O-bis(2-ethylhexyl)] bis(dithiophosphate) (4259-15-8), Olefin derivative, Triphenyl phosphite (101-02-0)

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 %

Component	
Substance(s) not included in the list established in accordance with Article 59(1) of REACH for having endocrine disrupting properties, or is 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	Zinc bis[O,O-bis(2-ethylhexyl)] bis(dithiophosphate) (4259-15-8), Olefin derivative, Triphenyl phosphite (101-02-0)

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

# 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]
Distillates(petroleum), hydrotreated heavy paraffinic	CAS-No.: 64742-54-7 EC-No.: 265-157-1 EC Index-No.: 649-467-00-8 REACH-no: 01-2119484627- 25	≥ 20 - ≤ 50	Asp. Tox. 1, H304
Zinc bis[O,O-bis(2-ethylhexyl)] bis(dithiophosphate)	CAS-No.: 4259-15-8 EC-No.: 224-235-5 REACH-no: 01-2119493635- 27	≥ 1 – ≤ 2.5	Eye Dam. 1, H318 Aquatic Chronic 2, H411
Olefin derivative	EC-No.: 701-392-2 REACH-no: 01-2119976364- 28	≥ 0.1 – ≤ 1	Skin Sens. 1B, H317
Triphenyl phosphite	CAS-No.: 101-02-0 EC-No.: 202-908-4 EC Index-No.: 015-105-00-7 REACH-no: 01-2119511213- 58	≥ 0.1 – ≤ 0.25	Acute Tox. 4 (Oral), H302 Skin Irrit. 2, H315 Eye Irrit. 2, H319 Skin Sens. 1, H317 Aquatic Acute 1, H400 (M=1) Aquatic Chronic 1, H410 (M=1)

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Specific concentration limits:		
Name	Product identifier	Specific concentration limits (%)
Zinc bis[O,O-bis(2-ethylhexyl)] bis(dithiophosphate)	CAS-No.: 4259-15-8 EC-No.: 224-235-5 REACH-no: 01-2119493635- 27	(50 ≤ C < 100) Eye Dam. 1; H318 (50 ≤ C < 100) Eye Irrit. 2; H319
Triphenyl phosphite	CAS-No.: 101-02-0 EC-No.: 202-908-4 EC Index-No.: 015-105-00-7 REACH-no: 01-2119511213-	(5 ≤ C < 100) Eye Irrit. 2; H319 (5 ≤ C < 100) Skin Irrit. 2; H315

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

# **SECTION 4: First aid measures**

# 4.1. Description of first aid measures

After inhalation : Not required.

After skin contact : Wash skin with mild soap and water.

After eye contact : In case of eye contact, immediately rinse with clean water for 10-15 minutes.

After ingestion : Do NOT induce vomiting. Rinse mouth out with water. Get immediate medical

advice/attention.

# 4.2. Most important symptoms and effects, 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 : Not expected to present a significant eye contact hazard under anticipated conditions of

normal use.

After ingestion : Not expected to present a significant ingestion hazard under anticipated conditions of

normal use.

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

No additional information available

# **SECTION 5: Firefighting measures**

# 5.1. Extinguishing media

Suitable extinguishing media : Water spray, powder, foam and CO2. Unsuitable extinguishing media : Do not use a heavy water stream.

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

No additional information available

### 5.3. Advice for firefighters

Precautionary measures fire : Exercise caution when fighting any chemical fire. Firefighting instructions : Use water spray or fog for cooling exposed containers.

Protection during firefighting : Do not enter fire area without proper protective equipment, including respiratory protection.

# **SECTION 6: Accidental release measures**

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

General measures : If spilled, may cause the floor to be slippery.

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### For non-emergency personnel

Protective equipment : Gloves. Safety glasses. Emergency procedures : Do not breathe vapours.

For emergency responders

Protective equipment : Wear suitable protective clothing and gloves. Safety glasses.

### 6.2. Environmental precautions

Prevent entry to sewers and public waters. Notify authorities if product enters sewers or public waters.

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

For containment : Contain any spills with dikes or absorbents to prevent migration and entry into sewers or

streams

Methods for cleaning up : Detergent. Clean up any spills as soon as possible, using an absorbent material to collect it.

Other information : Spill area may be slippery. Use suitable disposal containers.

### 6.4. Reference to other sections

No additional information available

# **SECTION 7: Handling and storage**

# 7.1. Precautions for safe handling

Additional hazards when processed : Avoid all unnecessary exposure. Both local exhaust and general room ventilation are

usually required.

Precautions for safe handling : Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No

smoking.

Handling temperature : < 40 °C

Hygiene measures : Wash hands and other exposed areas with mild soap and water before eating, drinking or

smoking and when leaving work.

# 7.2. Conditions for safe storage, including any incompatibilities

Technical measures : Store in a closed container.

Storage conditions : Keep container closed when not in use.

Storage temperature : ≤ 40 °C

Storage area : Store in dry, well-ventilated area.

### 7.3. Specific end use(s)

No additional information available

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

# 8.1. Control parameters

### **DNEL and PNEC**

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

recommended.

### 8.2. Exposure controls

### Appropriate engineering controls

### Technical measures:

No additional information available.

### Personal protection equipment

### Personal protective equipment:

Gloves. Safety glasses.

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### Personal protective equipment symbol(s):





### Eye and face protection

### Eye protection:

Safety goggles

### 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

### Respiratory protection

### Respiratory protection:

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

# **SECTION 9: Physical and chemical properties**

# 9.1. Information on basic physical and chemical properties

Physical state : Liquid. : Amber. Colour Oily liquid. **Appearance** : Characteristic. Odour : Not available Odour threshold Not available Melting point Freezing point Not available Boiling point Not available Flammability (solid, gas) Not available Lower explosion limit Not available Upper explosion limit : Not available

Flash point : > 200 °C DIN EN ISO 2592)

Auto-ignition temperature : Not available

Decomposition temperature : Not available

pH : Not available

Viscosity, kinematic : 50 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 : 880 kg/m³ @ 15°C
Relative density : Not available
Relative vapour density at 20°C : Not available
Particle characteristics : Not applicable

### 9.2. Other information

No additional information available

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# **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.

# 10.4. Conditions to avoid

No naked flames, sparks, and do not smoke.

### 10.5. Incompatible materials

Strong oxidizing agent.

Viscosity, kinematic

# 10.6. Hazardous decomposition products

Carbon dioxide. Protection against nuisance dust particles must be used when the concentration in the air is higher than 10 mg/m3.

# **SECTION 11: Toxicological information**

# 11.1. Information on hazard classes as defined in Regulation (EC) No 1272/2008

Acute toxicity (oral) : Not classified (Based on available data, the classification criteria are not met.)
Acute toxicity (dermal) : Not classified (Based on available data, the classification criteria are not met.)
Acute toxicity (inhalation) : Not classified (Based on available data, the classification criteria are not met.)

Acute toxicity (initialation)	. Not classified (Dased off available data, the classification official are not met.)	
Zinc bis[O,O-bis(2-ethylhexyl)] bis(dith	inc bis[O,O-bis(2-ethylhexyl)] bis(dithiophosphate) (4259-15-8)	
LD50 oral rat	3100 mg/kg	
LD50 dermal rabbit	> 5000 mg/kg	
ATE CLP (oral)	3100 mg/kg bodyweight	
Triphenyl phosphite (101-02-0)		
ATE CLP (oral)	500 mg/kg bodyweight	
Skin corrosion/irritation	: Not classified	
Additional information	: Repeated exposure may cause skin dryness or cracking.	
Serious eye damage/irritation	: Not classified (Based on available data, the classification criteria are not met.).	
Respiratory or skin sensitisation	: Skin sensitization: Not classified (Based on available data, the classification criteria are not met.). Respiratory sensitization: Not classified (Based on available data, the classification criteria are not met.).	
Germ cell mutagenicity	: Not classified	
Carcinogenicity	: Not classified	
Reproductive toxicity	: Not classified	
STOT-single exposure	: Not classified	

STOT-repeated exposure	: Not classified
Aspiration hazard	: Not classified
Additional information	: At high concentrations, the vapours can be irritating to the respiratory system
MPM Borg Warner Fluid GEN I	

MPM Borg Warner Fluid GEN I	
Viscosity, kinematic	50 mm²/s @ 40°C
Distillates(petroleum), hydrotreated heavy paraffinic (64742-54-7)	

1.99 - 847 mm<sup>2</sup>/s @ 40°C

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Distillates(petroleum), hydrotreated heavy paraffinic (64742-54-7)	
Hydrocarbon	Yes

# 11.2. Information on other hazards

### **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 %

### Other information

Other information

: When used and handled accoording to specifications, the product does not have any harmful effects to our experience and the information provided to us.

# **SECTION 12: Ecological information**

# 12.1. Toxicity

Hazardous to the aquatic environment, short-term

(acute)

: Not classified

 $\label{thm:long-term} \mbox{Hazardous to the aquatic environment, long-term}$ 

: Harmful to aquatic life with long lasting effects.

(chronic)

Zinc bis[O,O-bis(2-ethylhexyl)] bis(dithiophosphate) (4259-15-8)		
LC50 fish 1	10 – 35 mg/l 96h Pimephales promelas (semi static)	
LC50 fish 2	1 – 5 mg/l 96h Pimephales promelas (static)	
EC50 Daphnia 1	1 – 1.5 mg/l 48h Daphnia magna	
EC50 other aquatic organisms 1	1 – 5 mg/l 96h Pseudokirchneriella subcapitata	
EC50 96h - Algae [1]	240 mg/l Scenedesmus Subspicatus OECD 201 @21d	
NOEC (chronic)	0.4 mg/l Daphnia Magna OECD211 @21d	
NOEC (acute)	NOEC Acute 220 mg/l Scededesmus Subspicatus OECD 201-biomass	
Triphenyl phosphite (101-02-0)		
LC50 fish 1	0.94 mg/l (Daphnia magna)	

# 12.2. Persistence and degradability

IPM Borg Warner Fluid GEN I	
Persistence and degradability	Rapidly degradable
Distillates(petroleum), hydrotreated heavy paraffinic (64742-54-7)	
Persistence and degradability	Rapidly degradable
Zinc bis[O,O-bis(2-ethylhexyl)] bis(dithiophosphate) (4259-15-8)	
Persistence and degradability	Rapidly degradable
Olefin derivative	
Persistence and degradability	Rapidly degradable
Triphenyl phosphite (101-02-0)	
Persistence and degradability	Rapidly degradable
BOD (% of ThOD)	0.14 % ThOD @28D OECD TTG 301 D

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# 12.3. Bioaccumulative potential

MPM Borg Warner Fluid GEN I	
Bioaccumulative potential Expected to bio accumulate.	
Triphenyl phosphite (101-02-0)	
Log Kow	6.25 @25C Calc.

# 12.4. Mobility in soil

No additional information available

### 12.5. Results of PBT and vPvB assessment

Component	
Substance(s) not meeting the PBT criteria of REACH regulation, in accordance with Annex XIII	Zinc bis[O,O-bis(2-ethylhexyl)] bis(dithiophosphate) (4259-15-8), Olefin derivative, Triphenyl phosphite (101-02-0)
Substance(s) not meeting the vPvB criteria of REACH regulation, in accordance with Annex XIII	Zinc bis[O,O-bis(2-ethylhexyl)] bis(dithiophosphate) (4259-15-8), Olefin derivative, Triphenyl phosphite (101-02-0)

# 12.6. Endocrine disrupting properties

Adverse effects on the environment caused by endocrine disrupting properties

: The product does not contain any substances with endocrine disrupting properties.

### 12.7. Other adverse effects

No additional information available

# **SECTION 13: Disposal considerations**

### 13.1. Waste treatment methods

Regional waste regulation

Product/Packaging disposal recommendations

European List of Waste (LoW, EC 2000/532)

Waste disposal recommendations

- : Disposal must be done according to official regulations.
- $: \ \, \text{Dispose of contents/container in accordance with licensed collector's sorting instructions}.$
- : Dispose in a safe manner in accordance with local/national regulations. Dispose as hazardous waste. Avoid release to the environment.

: 13 01 11\* - synthetic hydraulic oils

# **SECTION 14: Transport information**

In accordance with ADR / IMDG

ADR	IMDG
14.1. UN number or ID number	
Not regulated for transport	
14.2. UN proper shipping name	
Not regulated	Not regulated
14.3. Transport hazard class(es)	
Not regulated	Not regulated
14.4. Packing group	
Not regulated	Not regulated
14.5. Environmental hazards	
Not regulated	Not regulated

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ADR	IMDG
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 to IMO instruments

Not applicable

# **SECTION 15: Regulatory information**

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

### **EU-Regulations**

### **REACH Annex XVII (Restriction List)**

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

#### **REACH Annex XIV (Authorisation List)**

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

### **REACH Candidate List (SVHC)**

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

### **PIC Regulation (Prior Informed Consent)**

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

### **POP Regulation (Persistent Organic Pollutants)**

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

### Ozone Regulation (1005/2009)

Contains no substance(s) listed on the Ozone Depletion list (Regulation EU 1005/2009 on substances that deplete the ozone layer)

# Council Regulation (EC) for the control of dual-use items

Contains no substance subject to the COUNCIL REGULATION (EC) for the control of dual-use items

### **Explosives Precursors Regulation (EU 2019/1148)**

Contains no substance(s) listed on the Explosives Precursors list (Regulation EU 2019/1148 on the marketing and use of explosives precursors)

## **Drug Precursors Regulation (EC 273/2004)**

Contains no substance(s) listed on the Drug Precursors list (Regulation EC 273/2004 on the manufacture and the placing on market of certain substances used in the illicit manufacture of narcotic drugs and psychotropic substances)

# 15.2. Chemical safety assessment

No additional information available

# **SECTION 16: Other information**

Indication of changes		
Section Changed item Comments		Comments
	Supersedes	Modified
	Revision date	Modified

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Indication of changes		
Section	Changed item	Comments
	Adverse effects on the environment caused by endocrine disrupting properties	Added
	Adverse health effects caused by endocrine disrupting properties	Added
1.1	Trade name	Added
1.2	Main use category	Modified
2.1	Classification according to Regulation (EC) No. 1272/2008 [CLP]	Modified
2.2	Precautionary statements (CLP)	Modified
3	Composition/information on ingredients	Modified
4.1	After skin contact	Modified
4.1	After inhalation	Modified
4.1	After ingestion	Modified
4.1	After eye contact	Modified
4.2	After eye contact	Modified
4.2	After skin contact	Modified
5.1	Suitable extinguishing media	Modified
5.3	Precautionary measures fire	Added
5.3	Firefighting instructions	Added
6.1	Emergency procedures	Added
6.1	Protective equipment	Modified
6.1	Protective equipment	Modified
6.1	General measures	Modified
6.2	Environmental precautions	Modified
6.3	For containment	Added
6.3	Methods for cleaning up	Modified
6.3	Other information	Modified
7.1	Additional hazards when processed	Added
7.1	Handling temperature	Added
7.1	Precautions for safe handling	Modified
7.1	Hygiene measures	Modified
7.2	Technical measures	Added
7.2	Storage temperature	Added
7.2	Storage area	Added
7.2	Storage conditions	Modified
8.2	Technical measures	Modified
9.1	Appearance	Added
9.1	Solubility	Modified
9.1	Viscosity, kinematic	Modified

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Indication of changes		
Section	Changed item	Comments
9.1	Flash point	Modified
9.1	Density	Modified
10.2	Chemical stability	Modified
10.4	Conditions to avoid	Modified
10.6	Hazardous decomposition products	Modified
11.1	Reason for no classification	Added
11.1	Reason for no classification	Added
11.1	Reason for no classification	Added
11.1	Reason for no classification	Added
11.1	Reason for no classification	Added

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
Asp. Tox. 1	Aspiration hazard, Category 1
EUH208	Contains: Olefin derivative, Triphenyl phosphite. May produce an allergic reaction.
Eye Dam. 1	Serious eye damage/eye irritation, Category 1
Eye Irrit. 2	Serious eye damage/eye irritation, Category 2
H302	Harmful if swallowed.
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.
H319	Causes serious eye irritation.
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.
Skin Irrit. 2	Skin corrosion/irritation, Category 2
Skin Sens. 1	Skin sensitisation, Category 1
Skin Sens. 1B	Skin sensitisation, category 1B

The classification complies with

Safety Data Sheet (SDS), EU

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.

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