

# Safety Data Sheet

according to the REACH Regulation (EC) 1907/2006 amended by Regulation (EU) 2020/878 Issue date: 13-1-2012 Revision date: 26-10-2020 Supersedes: 1-9-2015 version: 8.2

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

#### 1.1. Product identifier

Product form : Mixture

Trade name : MPM Marine TC-W3 Oil 2-Stroke High Performance Biodegradable

Product code : BL001000BIO

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

#### 1.2.1. Relevant identified uses

Main use category : Professional use
Function or use category : Lubricants 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 (EC) No. 1272/2008 [CLP]Show CLP information only

Hazardous to the aquatic environment – Chronic Hazard, Category 3 H412

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) : P102 - Keep out of reach of children.

P273 - Avoid release to the environment.

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P501 - Dispose of contents/container a licensed hazardous-waste disposal contractor or collection site except for empty clean containers which can be disposed of as non-

hazardous waste.

EUH-statements : EUH066 - Repeated exposure may cause skin dryness or cracking.

#### 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

Name	Product identifier	%	Classification according to Regulation (EC) No. 1272/2008 [CLP]
Hydrocarbons, C11-C14, n-alkanes, cyclic, <2% aromates	EC-No.: 926-141-6 REACH-no: 01-2119456620- 43	≥ 15 – ≤ 25	Asp. Tox. 1, H304
Phenol, (dimethylamino)methyl-,polyisobutylene derivates	-	≥ 5 – ≤ 15	Aquatic Chronic 3, H412
Solvent naphta, (petroleum), heavy aromatic	CAS-No.: 64742-94-5 EC-No.: 265-198-5 REACH-no: 01-2119510128- 50	≥ 1 – ≤ 2,5	Skin Irrit. 2, H315 Eye Irrit. 2, H319 Asp. Tox. 1, H304 Aquatic Chronic 2, H411
Isooctadecanoic acid, reaction products with tetraethylenepentamine	CAS-No.: 68784-17-8 EC-No.: 701-204-9 REACH-no: 01-2119960832- 33	≥ 1 – ≤ 2,5	Skin Irrit. 2, H315 Eye Irrit. 2, H319

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 with plenty of soap and water.

After eye contact : In case of contact with eyes, rinse immediately with plenty of flowing water for 10 to 15

minutes holding eyelids apart.

After ingestion : IF SWALLOWED: rinse mouth. Do NOT induce vomiting. Get immediate medical

advice/attention.

#### 4.2. Most important symptoms and effects, both acute and delayed

No additional information available

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

No additional information available

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#### **SECTION 5: Firefighting measures**

#### 5.1. Extinguishing media

Suitable extinguishing media : Powder. Foam. Carbon dioxide (CO2).

# 5.2. Special hazards arising from the substance or mixture

No additional information available

#### 5.3. Advice for firefighters

Protection during firefighting : Self-contained breathing apparatus with an air line.

Other information : Exercise caution when fighting any chemical fire.

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

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

General measures : When using do not smoke.

#### 6.1.1. For non-emergency personnel

No additional information available

#### 6.1.2. For emergency responders

No additional information available

#### 6.2. Environmental precautions

Do not release in groundwater, surfacewater or sewerage. Prevent spreading over great surfaces (e.g. by damming or installing oil booms).

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

For containment : Prevent spreading over great surfaces (e.g. by damming or installing oil booms).

Methods for cleaning up : Clean up with absorbent material (for example sand, sawdust, neutral absorbent granule,

silica gel). Remove from the water surface (e.g. skimming, sucking).

Other information : Can be slippery on hard, smooth walking area.

# 6.4. Reference to other sections

No additional information available

# **SECTION 7: Handling and storage**

#### 7.1. Precautions for safe handling

Precautions for safe handling : Do not eat, drink or smoke when using this product.

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

Storage temperature : ≤ 40 °C

Storage area : Keep container tightly closed in a cool, well-ventilated place.

# 7.3. Specific end use(s)

No additional information available

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

#### 8.1. Control parameters

#### 8.1.1. National occupational exposure and biological limit values

# MPM Marine TC-W3 Oil 2-Stroke High Performance Biodegradable

#### **EU - Indicative Occupational Exposure Limit (IOEL)**

IOELV TWA (mg/m³)

5 mg/m<sup>3</sup>

#### 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:**

Provide adequate ventilation.

# 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 glasses

#### 8.2.2.2. Skin protection

# Skin and body protection:

None under normal use

# Hand protection:

Wear suitable gloves resistant to chemical penetration. DIN EN 374. In the cases of special applications, it is recommended to check the chemical resistance with the manufacturer of the gloves.

# 8.2.2.3. Respiratory protection

# Respiratory protection:

No personal breathing protective equipment is normally required

#### 8.2.2.4. Thermal hazards

No additional information available

### 8.2.3. Environmental exposure controls

#### Other information:

When using do not eat, drink or smoke. Wash hands before breaks and at the end of work.

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

# 9.1. Information on basic physical and chemical properties

Physical state : Liquid.

Colour : Green.

Appearance : Oily.

Odour : Oily.

Odour threshold : Not avail.

Odour threshold Not available Melting point Not available Freezing point Not available Boiling point : Not available Flammability : Not available **Explosive limits** : 1-6 Lower explosion limit : Not available Upper explosion limit Not available : > 100 °C ASTM D92 Flash point Auto-ignition temperature Not available Decomposition temperature : Not available : irrelevant

рΗ Viscosity, kinematic : 47 mm<sup>2</sup>/s (40°C) Solubility : Water: Negligible. Log Kow : Not available : Not available Vapour pressure Vapour pressure at 50°C : Not available Density : 897 kg/m<sup>3</sup> Relative density : Not available Relative vapour density at 20°C : Not available Particle size : Not applicable : Not applicable Particle size distribution : Not applicable Particle shape : Not applicable Particle aspect ratio : Not applicable Particle aggregation state : Not applicable Particle agglomeration state 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 use.

# 10.2. Chemical stability

The product is stable at normal handling- and storage conditions.

#### 10.3. Possibility of hazardous reactions

No dangerous reactions known under normal conditions of use.

# 10.4. Conditions to avoid

No additional information available

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# 10.5. Incompatible materials

Oxidizing substances. Acids and bases.

# 10.6. Hazardous decomposition products

No additional information available

# **SECTION 11: Toxicological information**

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

Acute toxicity (oral) : Not classified
Acute toxicity (dermal) : Not classified
Acute toxicity (inhalation) : Not classified

Additional information : Elevated temperatures or mechanical action can irritate the nose, throat and lungs.

Low order of acute / systemic toxicity.

Low order of acute / systemic toxicity.		
Hydrocarbons, C11-C14, n-alkanes, cyclic, <2% aromates		
LD50 oral rat	> 5000 mg/kg	
LD50 dermal rabbit	> 5000 mg/kg	
LC50 Inhalation - Rat	> 5000 mg/m³	
Isooctadecanoic acid, reaction products with tetraethylenepentamine (68784-17-8)		
LD50 oral rat > 5000 mg/kg		
LD50 dermal rabbit	> 2000 mg/kg	

Skin corrosion/irritation : Not classified pH: irrelevant

Serious eye damage/irritation : Not classified pH: irrelevant

Additional information : slightly irritated but not relevant for classification.

Respiratory or skin sensitisation : Not classified
Germ cell mutagenicity : Not classified
Carcinogenicity : Not classified
Reproductive toxicity : Not classified
STOT-single exposure : Not classified

Isooctadecanoic acid, reaction products with tetraethylenepentamine (68784-17-8)	
LOAEL (oral, rat) > 1000 mg/kg bodyweight OECD 421	

STOT-repeated exposure : Not classified

Isooctadecanoic acid, reaction products with tetraethylenepentamine (68784-17-8)	
NOAEL (oral, rat, 90 days)	> 1000 mg/kg bodyweight OECD 407

Aspiration hazard : Not classified

MPM Marine TC-W3 Oil 2-Stroke High Performance Biodegradable	
Viscosity, kinematic	47 mm²/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 %

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11.2.2. Other information

# **SECTION 12: Ecological information**

# 12.1. Toxicity

Ecology - water : Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic

environment.

Hazardous to the aquatic environment, short-term

(acute)

: Not classified

Hazardous to the aquatic environment, long-term

: Harmful to aquatic life with long lasting effects.

(chronic)

Isooctadecanoic acid, reaction products with tetraethylenepentamine (68784-17-8)	
LC50 fish 1 > 1000 mg/l OECD 203	
EC50 Daphnia 1 > 1000 mg/l OECD 202	

# 12.2. Persistence and degradability

MPM Marine TC-W3 Oil 2-Stroke High Performance Biodegradable		
Persistence and degradability  Not soluble in water, so only minimally biodegradable.		
Isooctadecanoic acid, reaction products with tetraethylenepentamine (68784-17-8)		
Persistence and degradability Readily biodegradable.		

#### 12.3. Bioaccumulative potential

No additional information available

# 12.4. Mobility in soil

No additional information available

# 12.5. Results of PBT and vPvB assessment

No additional information available

# 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 : Waste disposal according to official state regulations.

# **SECTION 14: Transport information**

In accordance with ADR / IMDG

# 14.1. UN number or ID number

UN-No. (IMDG) : Not applicable : Not applicable

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# 14.2. UN proper shipping name

Proper Shipping Name (ADR) : Not applicable Proper Shipping Name (IMDG) : Not applicable

# 14.3. Transport hazard class(es)

**ADR** 

Transport hazard class(es) (ADR) : Not applicable

**IMDG** 

Transport hazard class(es) (IMDG) : Not applicable

14.4. Packing group

Packing group (ADR) : Not applicable Packing group (IMDG) : Not applicable

#### 14.5. Environmental hazards

Dangerous for the environment : No Marine pollutant : No

Other information : No supplementary information available

# 14.6. Special precautions for user

#### **Overland transport**

No data available

#### Transport by sea

No data available

### 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

#### 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

No additional information available

# **SECTION 16: Other information**

Indication of changes			
Section	Changed item	Change	Comments
	Date of issue	Added	
	Revision date	Modified	
	SDS EU format	Added	

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Indication of changes			
Section	Changed item	Change	Comments
16	Abbreviations and acronyms	Added	

# Abbreviations and acronyms

ACGIH: American Conference of Governmental Industrial Hygienists. TWA: Time Weighted Average. TLV: Threshold Limit Value. ASTM: American Society for Testing and Materials . ADR: Accord Européen Relatif au Transport International des Marchandises Dangereuses par Route . RID: Regulations Concerning the International Carriage of Dangerous Goods by Rail . ADNR: Accord Européen relatif au Transport International des Marchandises Dangereuses par voie de Navigation du Rhin. IMDG: International Maritime Dangerous Goods. ICAO: International Civil Aviation Organization . IATA: International Air Transport Association. STEL: Short Term Exposure Limit. LD50: median Lethal Dose for 50% of subjects. ATE: acute toxicity estimate. LC50: median Lethal Concentration for 50% of subjects. EC50: concentration producing 50% effect.

Full text of H- and EUH-statements	
Aquatic Chronic 2	Hazardous to the aquatic environment – Chronic Hazard, Category 2
Aquatic Chronic 3	Hazardous to the aquatic environment – Chronic Hazard, Category 3
Asp. Tox. 1	Aspiration hazard, Category 1
EUH066	Repeated exposure may cause skin dryness or cracking.
Eye Irrit. 2	Serious eye damage/eye irritation, Category 2
H304	May be fatal if swallowed and enters airways.
H315	Causes skin irritation.
H319	Causes serious eye irritation.
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

#### 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.