



# PSF Power Steering Fluid MB

## Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2015/830  
Issue date: 18-10-2010 Revision date: 5-3-2020 Supersedes: 19-3-2018 version: 5.1

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

#### 1.1. Product identifier

Trade name : PSF Power Steering Fluid MB

Product code : 50000MB

#### 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  
Use of the substance/mixture : Automotive care products  
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

MPM International Oil Company  
Cyclotronweg 1  
2629 HN Delft Delft - Nederland  
T +31 (0)15 2514030 - F +31 (0)15 2514031  
[msds@mpmoil.nl](mailto:msds@mpmoil.nl) - [www.mpmoil.nl](http://www.mpmoil.nl)

#### 1.4. Emergency telephone number

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

Country	Official advisory body	Address	Emergency number	Comment
Ireland	National Poisons Information Centre Beaumont Hospital	Beaumont Hospital Beaumont Road 9 Dublin	: +353 1 8379964	
United Kingdom	Guy's & St Thomas' Poisons Unit Medical Toxicology Unit, Guy's & St Thomas' Hospital Trust	Avonley Road SE14 5ER London	+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]

Acute toxicity (inhal.), Category 4 H332  
Aspiration hazard, Category 1 H304  
Hazardous to the aquatic environment — Chronic Hazard, Category 3 H412  
Full text of H 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]

Hazard pictograms (CLP) :



GHS07

GHS08

CLP Signal word : Danger.  
Hazardous ingredients : Lubricating oils (petroleum), C15-30, hydrotreated neutral oil-based Baseoil - unspecified ; Dec-1-ene, dimers, hydrogenated  
Hazard statements (CLP) : H304 - May be fatal if swallowed and enters airways.  
H332 - Harmful if inhaled.  
H412 - Harmful to aquatic life with long lasting effects.  
Precautionary statements (CLP) : P261 - Avoid breathing mist, spray, vapours.  
P301+P310+P331 - IF SWALLOWED: Immediately call a POISON CENTER. Do NOT induce vomiting.  
P312 - Call a POISON CENTER if you feel unwell.

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### 2.3. Other hazards

No additional information available

## 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]
Lubricating oils (petroleum), C15-30, hydrotreated neutral oil-based Baseoil - unspecified	(CAS-No.) 72623-86-0 (EC-No.) 276-737-9 (EC Index-No.) 649-482-00-X (REACH-no) 01-2119474878-16	30 – 60	Asp. Tox. 1, H304
Dec-1-ene, dimers, hydrogenated	(CAS-No.) 68649-11-6 (EC-No.) 500-228-5 (REACH-no) 01-2119493069-28	30 – 60	Acute Tox. 4 (Inhalation), H332 Asp. Tox. 1, H304
Solvent naphta, (petroleum), heavy aromatic	(CAS-No.) 64742-94-5 (EC-No.) 265-198-5 (EC Index-No.) 649-424-00-3	< 1	Asp. Tox. 1, H304 Aquatic Chronic 2, H411
Ethylhexylamine	(CAS-No.) 104-75-6 (EC-No.) 203-233-8	< 1	Flam. Liq. 3, H226 Acute Tox. 4 (Oral), H302 Acute Tox. 4 (Dermal), H312 Acute Tox. 4 (Inhalation), H332 Skin Corr. 1, H314 Eye Dam. 1, H318
Alkylphenol	(CAS-No.) 128-39-2 (EC-No.) 204-884-0 (REACH-no) 01-2119490822-33	< 1	Skin Irrit. 2, H315 Aquatic Acute 1, H400 Aquatic Chronic 1, H410 (M=0)

Full text of H-statements: see section 16

## SECTION 4: First aid measures

### 4.1. Description of first aid measures

General	: Cough, difficult breathing or other symptoms of poisoning may occur within some hours. Keep under medical supervision for at least 48 hours. If medical advice is needed, have product container or label at hand.
After inhalation	: If breathing is difficult, remove victim to fresh air and keep at rest in a position comfortable for breathing. If necessary seek medical advice.
After skin contact	: Gently wash with plenty of soap and water.
After eye contact	: In case of eye contact, immediately rinse with clean water for 10-15 minutes.
After ingestion	: Get immediate medical advice/attention. Do NOT induce vomiting.

### 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

Entering the lungs by ingestion or vomiting may cause severe lung damage.

## SECTION 5: Firefighting measures

### 5.1. Extinguishing media

Suitable extinguishing media	: water spray, powder, foam and CO <sub>2</sub> .
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

Protection during firefighting	: Use self-contained breathing apparatus and chemically protective clothing.
Other information	: Use a water spray to cool exposed surfaces and to protect fire-fighters.

## SECTION 6: Accidental release measures

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

General measures	: No particular/specific measures required.
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#### 6.1.1. For non-emergency personnel

No additional information available

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### 6.1.2. For emergency responders

No additional information available

### 6.2. Environmental precautions

Avoid release to the environment. Notify authorities if liquid 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 : Small quantities of liquid spill: take up in non-combustible absorbent material and shovel into container for disposal.
- Other information : If spilled, may cause the floor to be slippery.

### 6.4. Reference to other sections

No additional information available

## SECTION 7: Handling and storage

### 7.1. Precautions for safe handling

- Handling temperature : < 40 °C
- Hygiene measures : Do not eat, drink or smoke when using this product. Always wash hands after handling the product.

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

- Information on mixed storage : Keep away from food, drink and animal feeding stuffs.
- Storage area : Keep in a cool, well-ventilated place. Store in a closed container.

### 7.3. Specific end use(s)

No additional information available

## SECTION 8: Exposure controls/personal protection

### 8.1. Control parameters

- Additional information : The product does not contain any relevant quantities of materials with critical values that have to be monitored at the workplace

### 8.2. Exposure controls

#### Technical measures:

Ensure adequate ventilation, especially in confined areas.

#### Personal protective equipment:

Safety glasses. Gloves.

#### Materials for protective clothing:

Wear suitable protective clothing, gloves and eye/face protection

#### Hand protection:

Wear suitable gloves resistant to chemical penetration

#### Eye protection:

Safety goggles

#### Skin and body protection:

Wear suitable protective clothing

#### Respiratory protection:

No special respiratory protection equipment is recommended under normal conditions of use with adequate ventilation. Provide local exhaust or general room ventilation

#### Personal protective equipment symbol(s):



#### Other information:

It is the user's responsibility to take mentioned precaution measures and ensure that this information is complete and sufficient for the use of this product.

## SECTION 9: Physical and chemical properties

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

Physical state : Liquid

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Colour	: Green.
Odour	: characteristic.
Odour threshold	: No data available
pH	: No data available
Relative evaporation rate (butylacetate=1)	: No data available
Melting point	: -60 °C (ISO 3016)
Freezing point	: No data available
Boiling point	: > 300 °C (SAE J1703)
Flash point	: 147 °C ISO 2592
Auto-ignition temperature	: No data available
Decomposition temperature	: No data available
Flammability (solid, gas)	: No data available
Vapour pressure	: No data available
Relative vapour density at 20 °C	: No data available
Relative density	: No data available
Density	: 830 g/l (ISO 12185)
Solubility	: insoluble in water. Organic solvent:Soluble
Log Pow	: No data available
Viscosity, kinematic	: < 19 mm <sup>2</sup> /s @ 40°C (ISO 3104)
Viscosity, dynamic	: No data available
Explosive properties	: Product is not explosive.
Oxidising properties	: No data available
Explosive limits	: 0,6 – 6,5 vol %

### 9.2. Other information

No additional information available

## SECTION 10: Stability and reactivity

### 10.1. Reactivity

None under normal conditions.

### 10.2. Chemical stability

The product is stable at normal handling and storage conditions.

### 10.3. Possibility of hazardous reactions

No additional information available

### 10.4. Conditions to avoid

None under normal conditions.

### 10.5. Incompatible materials

No additional information available

### 10.6. Hazardous decomposition products

When exposed to high temperatures may produce hazardous decomposition products such as carbon monoxide and dioxide, smoke, nitrogen oxides (NOx), NH<sub>3</sub>, sulphur compounds.

## SECTION 11: Toxicological information

### 11.1. Information on toxicological effects

Acute toxicity (oral)	: Not classified
Acute toxicity (dermal)	: Not classified
Acute toxicity (inhalation)	: Harmful if inhaled.

ATE CLP (gases)	4500 ppmv/4h
ATE CLP (vapours)	11 mg/l/4h
ATE CLP (dust,mist)	1,5 mg/l/4h

### Dec-1-ene, dimers, hydrogenated (68649-11-6)

LD50 oral rat	> 4000 mg/kg
LD50 dermal rat	> 2000 mg/kg bodyweight OECD 402
LD50 dermal rabbit	> 3000 mg/kg

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### Lubricating oils (petroleum), C15-30, hydrotreated neutral oil-based Baseoil - unspecified (72623-86-0)

LD50 oral rat	> 5000 mg/kg bodyweight
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### Alkylphenol (128-39-2)

LD50 oral rat	> 5000 mg/kg bodyweight OECD 401
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### Solvent naphta, (petroleum), heavy aromatic (64742-94-5)

LD50 dermal rat	> 2000 mg/kg bodyweight OECD 402
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LD50 dermal rabbit	> 2000 mg/kg bodyweight
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### Ethylhexylamine (104-75-6)

LD50 oral rat	≈ 316 mg/kg bodyweight
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LC50 Inhalation - Rat	< 1,548 mg/l air OECD 403
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Skin corrosion/irritation : Not classified

Serious eye damage/irritation : Not classified

Additional information : Slightly irritant to eyes

Respiratory or skin sensitisation : Not classified

Additional information : Not expected to be a skin sensitizer

Germ cell mutagenicity : Not classified (Based on available data, the classification criteria are not met)

Carcinogenicity : Not classified

Additional information : This product is formulated with highly refined mineral oils which are considered under IARC as not carcinogenic. It was the IP 346 test showed that all oils in this product contains less than 3% extractable substances.

Reproductive toxicity : Not classified (Based on available data, the classification criteria are not met)

### Solvent naphta, (petroleum), heavy aromatic (64742-94-5)

NOAEL (animal/male, F0/P)	35 mg/kg bodyweight OECD 422
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NOAEL (animal/female, F0/P)	125 mg/kg bodyweight OECD 422
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### Ethylhexylamine (104-75-6)

NOAEL (animal/male, F0/P)	100 mg/kg bodyweight OECD 422
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NOAEL (animal/female, F0/P)	100 mg/kg bodyweight OECD 422
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STOT-single exposure : Not classified

STOT-repeated exposure : Not classified

### Lubricating oils (petroleum), C15-30, hydrotreated neutral oil-based Baseoil - unspecified (72623-86-0)

LOAEL (oral, rat, 90 days)	125 mg/kg bodyweight
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### Alkylphenol (128-39-2)

NOAEL (oral, rat, 90 days)	100 mg/kg bodyweight
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### Solvent naphta, (petroleum), heavy aromatic (64742-94-5)

LOAEC (inhalation, rat, vapour, 90 days)	4,71 mg/l air
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NOAEC (inhalation, rat, vapour, 90 days)	2,355 mg/l air
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### Ethylhexylamine (104-75-6)

NOAEL (oral, rat, 90 days)	100 mg/kg bodyweight OECD 422
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Aspiration hazard : May be fatal if swallowed and enters airways.

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Viscosity, kinematic < 19 mm<sup>2</sup>/s @ 40°C (ISO 3104)

Other information : When used and handled according 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

Hazardous to the aquatic environment, long-term (chronic) : Harmful to aquatic life with long lasting effects.

### Dec-1-ene, dimers, hydrogenated (68649-11-6)

LC50 fish 1 > 1000 mg/l

### Alkylphenol (128-39-2)

LC50 fish 1 1,4 mg/l Pimephales promelas

EC50 72h algae (1) 3,6 mg/l Pseudokirchneriella subcapitata

EC50 72h algae (2) 1,4 mg/l Pseudokirchneriella subcapitata

EC50 96h algae (1) 3,9 mg/l Pseudokirchneriella subcapitata

EC50 96h algae (2) 1,2 mg/l Pseudokirchneriella subcapitata

LOEC (chronic) 0,086 mg/l Daphnia magna @21d

NOEC (chronic) 0,035 mg/l Daphnia magna @21d

### Solvent naphta, (petroleum), heavy aromatic (64742-94-5)

LC50 fish 1 6,1 mg/l Oncorhynchus mykiss

LC50 fish 2 0,58 mg/l Oncorhynchus mykiss

EC50 Daphnia 1 2,9 mg/l Daphnia magna Straus

EC50 Daphnia 2 0,76 mg/l Daphnia magna

### Ethylhexylamine (104-75-6)

LC50 fish 1 100 – 500 mg/l Leuciscus idus

LC50 fish 2 46,4 – 68,1 mg/l Leuciscus idus

EC50 72h algae (1) 10 mg/l Desmodesmus subspicatus

EC50 72h algae (2) 4,5 mg/l Desmodesmus subspicatus

### 12.2. Persistence and degradability

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Persistence and degradability Not soluble in water, so only minimally biodegradable.

### 12.3. Bioaccumulative potential

No additional information available

### 12.4. Mobility in soil

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Soil Avoid release to the environment.

### 12.5. Results of PBT and vPvB assessment

No additional information available

### 12.6. Other adverse effects

No additional information available

## SECTION 13: Disposal considerations

### 13.1. Waste treatment methods

Regional legislation (waste) : Disposal must be done according to official regulations.

Waste disposal recommendations : Remove to an authorized waste treatment plant.

Waste materials : Empty the packaging completely prior to disposal.

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European List of Waste (LoW) code

: 13 01 00 - waste hydraulic oils  
13 01 13\* - other hydraulic oils

### SECTION 14: Transport information

In accordance with ADR / RID / IMDG / IATA / ADN

ADR	IMDG
<b>14.1. UN number</b>	
Not applicable	Not applicable
<b>14.2. UN proper shipping name</b>	
Not applicable	Not applicable
<b>14.3. Transport hazard class(es)</b>	
Not applicable	Not applicable
<b>14.4. Packing group</b>	
Not applicable	Not applicable
<b>14.5. Environmental hazards</b>	
Dangerous for the environment : No	Dangerous for the environment : No Marine pollutant : No
No supplementary information available	

### 14.6. Special precautions for user

#### Overland transport

No data available

#### Transport by sea

No data available

### 14.7. Transport in bulk according to Annex II of Marpol and the IBC Code

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 REACH substances with Annex XVII restrictions

Contains no substance on the REACH candidate list

Contains no REACH Annex XIV substances

Contains no substance subject to Regulation (EU) No 649/2012 of the European Parliament and of the Council of 4 July 2012 concerning the export and import of hazardous chemicals.

Contains no substance subject to Regulation (EU) No 2019/1021 of the European Parliament and of the Council of 20 June 2019 on persistent organic pollutants

##### 15.1.2. National regulations

No additional information available

#### 15.2. Chemical safety assessment

No chemical safety assessment has been carried out

### SECTION 16: Other information

Full text of H- and EUH-statements:	
Acute Tox. 4 (Dermal)	Acute toxicity (dermal), Category 4
Acute Tox. 4 (Inhalation)	Acute toxicity (inhal.), Category 4
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

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Asp. Tox. 1	Aspiration hazard, Category 1
Eye Dam. 1	Serious eye damage/eye irritation, Category 1
Flam. Liq. 3	Flammable liquids, Category 3
Skin Corr. 1	Skin corrosion/irritation, Category 1
Skin Irrit. 2	Skin corrosion/irritation, Category 2
H226	Flammable liquid and vapour.
H302	Harmful if swallowed.
H304	May be fatal if swallowed and enters airways.
H312	Harmful in contact with skin.
H314	Causes severe skin burns and eye damage.
H315	Causes skin irritation.
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.

### 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.*