



PSF Power Steering Fluid MB

Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2020/878
Issue date: 18-10-2010 Revision date: 9-12-2021 Supersedes: 5-3-2020 version: 6.0

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

1.1. Product identifier

Product form : Mixture
Product name : PSF Power Steering Fluid MB
UFI : 7C9X-62N4-9N4X-DK2E
Product code : 50000MB
Type of product : Other engine, gear and lubricating oils.
Product group : Blend

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, Consumer use, Industrial use
Industrial/Professional use spec : Used in closed systems
Use of the substance/mixture : Lubricants and additives
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
support@mpmoil.nl - www.mpmoil.com

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	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 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]

Aspiration hazard, Category 1 H304

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 base oil - unspecified; Dec-1-ene, dimers, hydrogenated

Hazard statements (CLP) : H304 - May be fatal if swallowed and enters airways.
H332 - Harmful if inhaled.

PSF Power Steering Fluid MB

Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2020/878

Precautionary statements (CLP) : P301+P310+P331 - IF SWALLOWED: Immediately call a POISON CENTER. Do NOT induce vomiting.
P501 - Dispose of Contents and container to an approved waste disposal plant.
P261 - Avoid breathing mist.
P304+P340 - IF INHALED: Remove person to fresh air and keep comfortable for breathing.

2.3. Other hazards

No additional information available

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]
Lubricating oils (petroleum), C15-30, hydrotreated neutral oil base oil - 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
Base oil - not specified	(CAS-No.) 64742-54-7 (EC-No.) 265-157-1 (EC Index-No.) 649-467-00-8 (REACH-no) 01-2119484627-25	< 1	Asp. Tox. 1, H304
Alkylphenol (2,6-di-tert-butylphenol)	(CAS-No.) 128-39-2 (EC-No.) 204-884-0 (REACH-no) 01-2119490822-33	0,16	Skin Irrit. 2, H315 Aquatic Acute 1, H400 Aquatic Chronic 1, H410

Full text of H- and EUH-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 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

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.

6.1.1. For non-emergency personnel

No additional information available

PSF Power Steering Fluid MB

Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2020/878

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

Personal protective equipment:

Gloves. Safety glasses.

Hand protection:

Protective gloves

Type	Material	Permeation	Thickness (mm)	Penetration	Standard
Gloves	Nitrile rubber (NBR), Chloroprene rubber (CR)	6 (> 480 minutes)	> 0,4		EN ISO 374

Eye protection:

Safety goggles

Skin and body protection:

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

Respiratory protection:

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

Personal protective equipment symbol(s):



SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

- Physical state : Liquid
- Appearance : Oily liquid.
- Colour : Green.
- Odour : Characteristic.
- Odour threshold : No data available

PSF Power Steering Fluid MB

Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2020/878

pH	: No data available
Relative evaporation rate (butylacetate=1)	: No data available
Melting point	: -54 °C
Freezing point	: No data available
Boiling point	: > 320 °C @ 101.3 kPa
Flash point	: 147 °C PMCC (Pensky-Martens closed cup).
Auto-ignition temperature	: No data available
Decomposition temperature	: No data available
Flammability (solid, gas)	: No data available
Vapour pressure	: < 0,1 kPa @ 20°C
Relative vapour density at 20 °C	: No data available
Relative density	: No data available
Density	: 834 kg/m ³ @ 15.6°C
Solubility	: Insoluble in water. Organic solvent: Soluble
Log Pow	: No data available
Viscosity, kinematic	: 18,6 mm ² /s @ 40°C
Viscosity, dynamic	: No data available
Explosive properties	: Product is not explosive.
Oxidising properties	: None.
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), NH₃, sulphur compounds.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

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)

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

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

LD50 oral rat	> 5000 mg/kg bodyweight
---------------	-------------------------

Alkylphenol (2,6-di-tert-butylphenol) (128-39-2)

LD50 oral rat	> 5000 mg/kg bodyweight
LD50 dermal rabbit	> 2000 mg/kg

PSF Power Steering Fluid MB

Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2020/878

Base oil - not specified (64742-54-7)

LD50 oral rat	> 5000 mg/kg bodyweight
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
Reproductive toxicity	: Not classified (Based on available data, the classification criteria are not met)
STOT-single exposure	: Not classified
STOT-repeated exposure	: Not classified

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

LOAEL (oral, rat, 90 days)	125 mg/kg bodyweight
----------------------------	----------------------

Alkylphenol (2,6-di-tert-butylphenol) (128-39-2)

NOAEL (oral, rat, 90 days)	100 mg/kg bodyweight
----------------------------	----------------------

Base oil - not specified (64742-54-7)

LOAEL (oral, rat, 90 days)	125 mg/kg bodyweight
----------------------------	----------------------

Aspiration hazard : May be fatal if swallowed and enters airways.

PSF Power Steering Fluid MB

Viscosity, kinematic	18,6 mm ² /s @ 40°C
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) : Not classified

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

LC50 fish 1	> 1000 mg/l
-------------	-------------

Alkylphenol (2,6-di-tert-butylphenol) (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

12.2. Persistence and degradability

PSF Power Steering Fluid MB

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

12.3. Bioaccumulative potential

No additional information available

PSF Power Steering Fluid MB

Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2020/878

12.4. Mobility in soil

PSF Power Steering Fluid MB

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.
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 / IMDG

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

PSF Power Steering Fluid MB

Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2020/878

SECTION 16: Other information

Indication of changes:

Section	Changed item	Change	Comments
	Supersedes	Modified	
	Revision date	Modified	
1.2	Use of the substance/mixture	Added	
1.2	Industrial/Professional use spec	Added	
1.2	Main use category	Modified	
1.2	Function or use category	Modified	
2.1	Classification according to Regulation (EC) No. 1272/2008 [CLP]	Modified	
2.2	Precautionary statements (CLP)	Modified	
2.2	Hazard statements (CLP)	Modified	
3	Composition/information on ingredients	Modified	
8.2	Personal protective equipment	Modified	
8.2	Respiratory protection	Modified	
8.2	Eye protection	Modified	
9.1	Appearance	Added	
9.1	Oxidising properties	Added	
9.1	Vapour pressure	Added	
9.1	Melting point	Modified	
9.1	Boiling point	Modified	
9.1	Viscosity, kinematic	Modified	
9.1	Flash point	Modified	
9.1	Density	Modified	
11.1	Reason for no classification	Added	
11.1	Reason for no classification	Added	
11.1	Reason for no classification	Added	
11.1	ATE CLP (dust,mist)	Modified	
11.1	ATE CLP (vapours)	Modified	
11.1	ATE CLP (gases)	Modified	

Full text of H- and EUH-statements:

Acute Tox. 4 (Inhalation)	Acute toxicity (inhal.), 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
Asp. Tox. 1	Aspiration hazard, Category 1
Skin Irrit. 2	Skin corrosion/irritation, Category 2
H304	May be fatal if swallowed and enters airways.
H315	Causes skin irritation.
H332	Harmful if inhaled.
H400	Very toxic to aquatic life.
H410	Very toxic to aquatic life with long lasting effects.

PSF Power Steering Fluid MB

Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2020/878

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.