MPM DPF Regen Fluid Universal

Safety Data Sheet

according to the REACH Regulation (EC) 1907/2006 amended by Regulation (EU) 2020/878
Issue date: 22/07/2026 version: 1.0

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

1.1. Product identifier

Product form	:	Mixture
Trade name	:	MPM DPF Regen Fluid Universal
UFI	:	S6FX-F24R-D403-HKWV
Product code	:	AD21000
Type of product	:	Additives
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,Industrial use

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
E-mail address of competent person responsible for the SDS :
pim.van.hoorn@emotive.group

1.4. Emergency telephone number

Emergency number	:	+31 (0)15 2514030 - (GMT+1) Only from 9:00 to 17:00

Country/Area	Organisation	Emergency number
Ireland	National Poisons Information Centre. Beaumont Hospital. PO Box 1297. Beaumont Road 9.	+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]

Aspiration hazard, Category 1 H304
Full text of H- and EUH-statements: see section 16

Adverse physicochemical, human health and environmental effects

Classified as dangerous according to the criteria of Regulation (EC) No 1272/2008. The product therefore requires a safety data sheet that complies with the provisions of Regulation (EU) 2020/878. Additional information regarding health and/or environmental risks can be found in sections 11 and 12 of this document.

2.2. Label elements

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

Hazard pictograms (CLP) :



GHS08

CLP Signal word	:	Danger
Contains	:	Hydrocarbons, C12-C15, n-alkanes, isoalkanes, cyclics, < 2% aromatics
Hazard statements (CLP)	:	H304 - May be fatal if swallowed and enters airways.
Precautionary statements (CLP)	:	P102 - Keep out of reach of children. P301+P310+P331 - IF SWALLOWED: Immediately call a doctor, a POISON CENTER. Do NOT induce vomiting. P501 - Dispose of contents and container in accordance with local and national regulations.

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

3.2. Mixtures

Name	Product identifier	%	Classification according to Regulation (EC) No. 1272/2008 [CLP]
Hydrocarbons, C12-C15, n-alkanes, isoalkanes, cyclics, < 2% aromatics	EC-No.: 920-107-4 REACH-no: 01-2119453414-43	≥ 50 – < 75	Asp. Tox. 1, H304 EUH066
Fe-DICYCLOPENTADIENYL	CAS-No.: 102-54-5 EC-No.: 203-039-3 REACH-no: 01-2119978280-34	≥ 1 – < 5	Ox. Liq. 2, H272 Acute Tox. 4 (Oral), H302 (ATE=1320 mg/kg bodyweight) Acute Tox. 4 (Inhalation), H332 (ATE=1.5 mg/l/4h) Aquatic Chronic 1, H410 (M=1) EUH019
2-ETHYLHEXAN-1-OL	CAS-No.: 104-76-7 EC-No.: 203-234-3 REACH-no: 01-2119487289-20	≥ 1 – < 5	Acute Tox. 4 (Inhalation:dust,mist), H332 (ATE=0.89 mg/l/4h) 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

General	:	Never give anything by mouth to an unconscious person. If you feel unwell, seek medical advice (show the label where possible).
After inhalation	:	Allow affected person to breathe fresh air. Allow the victim to rest.
After skin contact	:	Remove affected clothing and wash all exposed skin area with mild soap and water, followed by warm water rinse.
After eye contact	:	Rinse immediately with plenty of water. Obtain medical attention if pain, blinking or redness persists.
After ingestion	:	Rinse mouth. Do NOT induce vomiting. Immediately call a POISON CENTER/doctor.

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

After ingestion	:	May be fatal if swallowed and enters airways.

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

IF SWALLOWED: Immediately call a POISON CENTER or consult a DOCTOR.

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media : Foam. Dry powder. Carbon dioxide. Water spray. Sand.
Unsuitable extinguishing media : Do not use a heavy water stream.

5.2. Special hazards arising from the substance or mixture

Explosion hazard : May form flammable/explosive vapour-air mixture. Heat may build pressure, rupturing closed containers, spreading fire and increasing risk of burns and injuries. May form explosive peroxides.

5.3. Advice for firefighters

Firefighting instructions : Use water spray or fog for cooling exposed containers. Exercise caution when fighting any chemical fire. Prevent fire fighting water from entering the environment. DO NOT fight fire when fire reaches explosives. Evacuate area.
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 : No open flames. No smoking. Use special care to avoid static electric charges. Remove ignition sources.

For non-emergency personnel

Emergency procedures : Evacuate unnecessary personnel.

For emergency responders

Protective equipment : Equip cleanup crew with proper protection.
Emergency procedures : Ventilate area.

6.2. Environmental precautions

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

6.3. Methods and material for containment and cleaning up

Methods for cleaning up : Soak up spills with inert solids, such as clay or diatomaceous earth as soon as possible. Collect spillage. Store away from other materials.

6.4. Reference to other sections

See Section 8. Exposure controls and personal protection.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Additional hazards when processed : Hazardous waste due to potential risk of explosion.
Precautions for safe handling : Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work. Provide good ventilation in process area to prevent formation of vapour. Keep away from sources of ignition - No smoking. No open flames. No smoking.

7.2. Conditions for safe storage, including any incompatibilities

Technical measures : Proper grounding procedures to avoid static electricity should be followed.
Storage conditions : Keep only in the original container in a cool, well-ventilated place away from: Keep container closed when not in use. Keep in fireproof place.
Incompatible products : Strong bases. Strong acids. Oxidizing agent.
Incompatible materials : Sources of ignition. Direct sunlight. Heat sources.

7.3. Specific end use(s)

No additional information available.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

National occupational exposure and biological limit values

2-ETHYLHEXAN-1-OL (104-76-7)	
EU - Indicative Occupational Exposure Limit (IOEL)	
Local name	2-ethylhexan-1-ol
IOELV TWA (mg/m³)	5.4 mg/m³
IOELV TWA (ppm)	1 ppm
Regulatory reference	COMMISSION DIRECTIVE (EU) 2017/164
Ireland - Occupational Exposure Limits	
Local name	2-Ethylhexan-1-ol
OEL (8 hours ref) (mg/m³)	5.4 mg/m³
OEL (8 hours ref) (ppm)	1 ppm
Remark	IOELV (Indicative Occupational Exposure Limit Values)
Regulatory reference	Chemical Agents Code of Practice 2024

8.2. Exposure controls

Personal protection equipment

Personal protective equipment:
Avoid all unnecessary exposure.
Personal protective equipment symbol(s):



Eye and face protection

Eye protection:
Chemical goggles or safety glasses

Skin protection

Hand protection:
Wear protective gloves..

Respiratory protection

Respiratory protection:
[In case of inadequate ventilation] wear respiratory protection.

Environmental exposure controls

Other information:
Do not eat, drink or smoke during use.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state : Liquid

Colour	:	Brown.
Odour	:	Mild odor.
Odour threshold	:	Not available
Melting point	:	≤ 15 °C
Freezing point	:	Not available
Boiling point	:	Not available
Flammability (solid, gas)	:	Not available
Lower explosion limit	:	1.2 Vol-%
Upper explosion limit	:	8.4 Vol-%
Flash point	:	85 °C
Auto-ignition temperature	:	> 270 °C
Decomposition temperature	:	Not available
pH	:	Not available
Viscosity, kinematic	:	< 12 mm²/s @ 15°C
Solubility	:	Soluble in other organic solvents.
Log Kow	:	Not available
Vapour pressure	:	Not available
Vapour pressure at 50°C	:	0.2 mm Hg
Density	:	795 kg/m³
Relative density	:	Not available
Relative vapour density at 20°C	:	> 1
Particle characteristics	:	Not applicable

9.2. Other information

Other safety characteristics

VOC content	:	36.15 – 297.39 g/l

SECTION 10: Stability and reactivity

10.1. Reactivity

No additional information available.

10.2. Chemical stability

Not established.

10.3. Possibility of hazardous reactions

Stable under normal conditions of use.

10.4. Conditions to avoid

No additional information available.

10.5. Incompatible materials

No additional information available.

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

Fe-DICYCLOPENTADIENYL (102-54-5)	
LD50 oral rat	1320 mg/kg
LD50 dermal rat	3000 mg/kg
ATE CLP (oral)	1320 mg/kg bodyweight
ATE CLP (dermal)	3000 mg/kg bodyweight
ATE CLP (gases)	4500 ppmv/4h
ATE CLP (vapours)	11 mg/l/4h
ATE CLP (dust,mist)	1.5 mg/l/4h

2-ETHYLHEXAN-1-OL (104-76-7)	
LD50 oral rat	2047 mg/kg
LC50 Inhalation - Rat	0.89 mg/l/4h
ATE CLP (oral)	2047 mg/kg bodyweight
ATE CLP (vapours)	0.89 mg/l/4h
ATE CLP (dust,mist)	0.89 mg/l/4h

Hydrocarbons, C12-C15, n-alkanes, isoalkanes, cyclics, < 2% aromatics	
LD50 oral rat	> 5000 mg/kg OECD 401
LD50 dermal rabbit	> 5000 mg/kg OECD 402
LC50 Inhalation - Rat	> 4591 mg/l OECD 403

Skin corrosion/irritation : Not classified
Additional information : Based on available data, the classification criteria are not met.
Serious eye damage/irritation : Not classified
Additional information : Based on available data, the classification criteria are not met.
Respiratory or skin sensitisation : Not classified
Additional information : Based on available data, the classification criteria are not met.
Germ cell mutagenicity : Not classified
Additional information : Based on available data, the classification criteria are not met.
Carcinogenicity : Not classified
Additional information : Based on available data, the classification criteria are not met.
Reproductive toxicity : Not classified
Additional information : Based on available data, the classification criteria are not met.
STOT-single exposure : Not classified
Additional information : Based on available data, the classification criteria are not met.
STOT-repeated exposure : Not classified
Additional information : Based on available data, the classification criteria are not met.

2-ETHYLHEXAN-1-OL (104-76-7)	
NOAEC (inhalation, rat, gas, 90 days)	120 ppm OECD Guideline 413

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

MPM DPF Regen Fluid Universal	
Viscosity, kinematic	< 12 mm²/s @ 15°C

Hydrocarbons, C12-C15, n-alkanes, isoalkanes, cyclics, < 2% aromatics	
Viscosity, kinematic	3.56 mm²/s @ 20°C

11.2. Information on other hazards

Endocrine disrupting properties

Adverse health effects caused by endocrine disrupting properties : The product does not contain any ingredients believed to have endocrine disrupting properties according to REACH Article 57(f) or Regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at concentrations of 0.1% or higher.

Other information

Potential adverse human health effects and symptoms : Based on available data, the classification criteria are not met.

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.

Fe-DICYCLOPENTADIENYL (102-54-5)	
LC50 fish 1	24.5 mg/l @ 48h
EC50 72h - Algae [1]	1.03 mg/l
EC50 72h - Algae [2]	0.14 mg/l EC10
NOEC chronic fish	> 1.5 mg/l /336h
NOEC chronic crustacea	> 0.0015 mg/l

2-ETHYLHEXAN-1-OL (104-76-7)	
LC50 fish 1	17.1 mg/l @96h Leuciscus idus
EC50 Daphnia 1	39 mg/l @48h Dapnia magna
EC50 72h - Algae [1]	> 11.5 mg/l
EC50 72h - Algae [2]	> 3.2 mg/l EC10

Hydrocarbons, C12-C15, n-alkanes, isoalkanes, cyclics, < 2% aromatics	
LC50 fish 1	1000 mg/l Pseudokirchneriella
EC50 Daphnia 1	1000 mg/l Daphnia Magna
EC50 72h - Algae [1]	1000 mg/l Oncorhynchus Mykiss

12.2. Persistence and degradability

MPM DPF Regen Fluid Universal	
Persistence and degradability	Not established.

Fe-DICYCLOPENTADIENYL (102-54-5)	
Persistence and degradability	No data available.

2-ETHYLHEXAN-1-OL (104-76-7)	
Persistence and degradability	Readily biodegradable.

Hydrocarbons, C12-C15, n-alkanes, isoalkanes, cyclics, < 2% aromatics	
Persistence and degradability	Rapidly degradable

12.3. Bioaccumulative potential

MPM DPF Regen Fluid Universal	
Bioaccumulative potential	Not established.
Fe-DICYCLOPENTADIENYL (102-54-5)	
Log Pow	3.711
2-ETHYLHEXAN-1-OL (104-76-7)	
Log Pow	2.9

12.4. Mobility in soil

Fe-DICYCLOPENTADIENYL (102-54-5)	
Mobility in soil	1050
2-ETHYLHEXAN-1-OL (104-76-7)	
Mobility in soil	131.1

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 ingredients believed to have endocrine disrupting properties according to REACH Article 57(f) or Regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at concentrations of 0.1% or higher.

12.7. Other adverse effects

MPM DPF Regen Fluid Universal	
Other information	Avoid release to the environment.

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Waste disposal recommendations : Dispose in a safe manner in accordance with local/national regulations.
Additional information : Hazardous waste due to potential risk of explosion.
Waste materials : Avoid release to the environment. Hazardous waste due to toxicity.

SECTION 14: Transport information

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

ADR	IMDG	IATA	ADN	RID
14.1. UN number or ID number				
Not applicable	Not applicable	Not applicable	Not applicable	Not applicable
14.2. UN proper shipping name				
Not applicable	Not applicable	Not applicable	Not applicable	Not applicable
14.3. Transport hazard class(es)				
Not applicable	Not applicable	Not applicable	Not applicable	Not applicable

ADR	IMDG	IATA	ADN	RID
14.4. Packing group				
Not applicable	Not applicable	Not applicable	Not applicable	Not applicable
14.5. Environmental hazards				
Not applicable	Not applicable	Not applicable	Not applicable	Not applicable
No supplementary information available				

14.6. Special precautions for user

Overland transport
Not applicable

Transport by sea
Not applicable

Air transport
Not applicable

Inland waterway transport
Not applicable

Rail transport
Not applicable

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 (2024/590)

Not listed on the Ozone Depletion list (Regulation EU 2024/590)
Contains no substance(s) listed on the Ozone Depletion list (Regulation EU 2024/590 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

VOC Directive (2004/42)

VOC content : 36.15 – 297.39 g/l

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 chemical safety assessment has been carried out

SECTION 16: Other information

Data sources : REGULATION (EC) No 1272/2008 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 16 December 2008 on classification, labelling and packaging of substances and mixtures, amending and repealing Directives 67/548/EEC and 1999/45/EC, and amending Regulation (EC) No 1907/2006.

Other information : None.

Full text of H- and EUH-statements:

Acute Tox. 4 (Inhalation)	Acute toxicity (inhal.), Category 4
Acute Tox. 4 (Inhalation:dust,mist)	Acute toxicity (inhalation:dust,mist) Category 4
Acute Tox. 4 (Oral)	Acute toxicity (oral), Category 4
Aquatic Chronic 1	Hazardous to the aquatic environment – Chronic Hazard, Category 1
Asp. Tox. 1	Aspiration hazard, Category 1
Eye Irrit. 2	Serious eye damage/eye irritation, Category 2
Ox. Liq. 2	Oxidising Liquids, Category 2
Skin Irrit. 2	Skin corrosion/irritation, Category 2
H272	May intensify fire; oxidiser.
H302	Harmful if swallowed.
H304	May be fatal if swallowed and enters airways.
H315	Causes skin irritation.
H319	Causes serious eye irritation.
H332	Harmful if inhaled.
H410	Very toxic to aquatic life with long lasting effects.
EUH019	May form explosive peroxides.
EUH066	Repeated exposure may cause skin dryness or cracking.

Classification and procedure used to derive the classification for mixtures according to Regulation (EC) 1272/2008 [CLP]:

Asp. Tox. 1	H304	Calculation method

The classification complies with : ATP 12

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.