



MPM LDS Fluid

Safety Data Sheet

according to the REACH Regulation (EC) 1907/2006 amended by Regulation (EU) 2020/878
Issue date: 05/03/2020 Revision date: 13/12/2024 Supersedes: 22/04/2024 version: 5.1

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

1.1. Product identifier

Product form : Mixture
Trade name : MPM LDS Fluid
UFI : P50W-T0VP-C00D-N3AU
Product code : 26000
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]

Acute toxicity (inhalation: dust, mist) Category 4 H332
Aspiration hazard, Category 1 H304
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]

Hazard pictograms (CLP)



CLP Signal word

: DANGER.

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Contains	: Hydrogenated Dimerization Products of Decene-1 and Reaction Products of Hydrogenated Decene-1; Hydrogenated dimers of 1-decene, 1-dodecene and 1-octene; 1-Dodecene dimer with 1-Decene, hydrogenated
Hazard statements (CLP)	: H304 - May be fatal if swallowed and enters airways. H332 - Harmful if inhaled.
Precautionary statements (CLP)	: P102 - Keep out of reach of children. P261 - Avoid breathing vapours, mist. P271 - Use only outdoors or in a well-ventilated area. P301+P310 - IF SWALLOWED: Immediately call a POISON CENTER/doctor. P331 - Do NOT induce vomiting. P405 - Store locked up. P501 - Dispose of contents/container in accordance with local and national regulations.

2.3. Other hazards

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

Component	
Substance(s) not meeting the PBT criteria of REACH regulation, in accordance with Annex XIII	Hydrogenated Dimerization Products of Decene-1 and Reaction Products of Hydrogenated Decene-1, Hydrogenated dimers of 1-decene, 1-dodecene and 1-octene, naphthalene (91-20-3)(¹), 2,2'-(C16-18 (evennumbered, C18 unsaturated) alkyl imino) diethanol (1218787-32-6), 1-Dodecene dimer with 1-Decene, hydrogenated (151006-58-5), Distillates (petroleum), hydrotreated middle. (64742-46-7)
Substance(s) not meeting the vPvB criteria of REACH regulation, in accordance with Annex XIII	Hydrogenated Dimerization Products of Decene-1 and Reaction Products of Hydrogenated Decene-1, Hydrogenated dimers of 1-decene, 1-dodecene and 1-octene, naphthalene (91-20-3)(¹), 2,2'-(C16-18 (evennumbered, C18 unsaturated) alkyl imino) diethanol (1218787-32-6), 1-Dodecene dimer with 1-Decene, hydrogenated (151006-58-5), Distillates (petroleum), hydrotreated middle. (64742-46-7)

(¹) Substance(s) in concentration below 0.1 % and displayed on a voluntary basis

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	Hydrogenated Dimerization Products of Decene-1 and Reaction Products of Hydrogenated Decene-1, Hydrogenated dimers of 1-decene, 1-dodecene and 1-octene, 1-Dodecene dimer with 1-Decene, hydrogenated (151006-58-5), Distillates (petroleum), hydrotreated middle. (64742-46-7), 2,2'-(C16-18 (evennumbered, C18 unsaturated) alkyl imino) diethanol (1218787-32-6), naphthalene (91-20-3)(¹)

(¹) Substance(s) in concentration below 0.1 % and displayed on a voluntary basis

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]
Hydrogenated Dimerization Products of Decene-1 and Reaction Products of Hydrogenated Decene-1	EC-No.: 931-652-2 REACH-no: 01-2119537268-33	$\geq 25 - \leq 50$	Acute Tox. 4 (Inhalation:dust,mist), H332 Asp. Tox. 1, H304

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Name	Product identifier	%	Classification according to Regulation (EC) No. 1272/2008 [CLP]
Hydrogenated dimers of 1-decene, 1-dodecene and 1-octene	EC-No.: 700-308-1 REACH-no: 01-2119411393-49	≥ 25 – ≤ 48	Acute Tox. 4 (Inhalation:dust,mist), H332 Asp. Tox. 1, H304
1-Dodecene dimer with 1-Decene, hydrogenated	CAS-No.: 151006-58-5 EC-No.: 417-050-8 REACH-no: 01-2119527647-31	≥ 10 – ≤ 25	Acute Tox. 4 (Inhalation), H332 Asp. Tox. 1, H304
1-Decene, homopolymer, hydrogenated	CAS-No.: 68037-01-4 EC-No.: 500-183-1 REACH-no: 01-2119486452-34	> 0 – ≤ 10	Asp. Tox. 1, H304
Distillates (petroleum), hydrotreated middle. (Note N)	CAS-No.: 64742-46-7 EC-No.: 265-148-2 EC Index-No.: 649-221-00-X	> 0 – ≤ 10	Asp. Tox. 1, H304
2,2'-(C16-18 (evennumbered, C18 unsaturated) alkyl imino) diethanol	CAS-No.: 1218787-32-6 EC-No.: 620-540-6 REACH-no: 01-2119510877-33	> 0 – < 0.25	Acute Tox. 4 (Oral), H302 Skin Corr. 1C, H314 Eye Dam. 1, H318 Aquatic Acute 1, H400 (M=10) Aquatic Chronic 1, H410 (M=1)
naphthalene	CAS-No.: 91-20-3 EC-No.: 202-049-5	> 0 – < 0.1	Acute Tox. 4 (Oral), H302 Carc. 2, H351 Aquatic Acute 1, H400 (M=1) Aquatic Chronic 1, H410 (M=1)

Note N: The harmonised classification as a carcinogen applies unless the full refining history is known and it can be shown that the substance from which it is produced is not a carcinogen, in which case a classification in accordance with Title II of this Regulation shall be performed also for that hazard class.

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

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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. |
|------------------|---|

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. |

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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

naphthalene (91-20-3)	
EU - Indicative Occupational Exposure Limit (IOEL)	
IOELV TWA (mg/m ³)	50 mg/m ³
IOELV TWA (ppm)	10 ppm

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.

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					
Type	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.

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Colour	: Orange.
Appearance	: Oily liquid.
Odour	: Characteristic.
Odour threshold	: Not available
Melting point	: Not available
Freezing point	: Not available
Boiling point	: > 300 °C EN ISO 3405
Flammability (solid, gas)	: Not available
Lower explosion limit	: 7 vol %
Upper explosion limit	: 9 vol %
Flash point	: > 150 °C @ ASTM D92
Auto-ignition temperature	: > 150 °C ASTM E 659
Decomposition temperature	: Not available
pH	: Not available
Viscosity, kinematic	: 19 mm ² /s @ 40°C (ISO 3104)
Solubility	: Slightly soluble, the product remains on the water surface.
Log Kow	: Not available
Vapour pressure	: > 0.013 kPa
Vapour pressure at 50°C	: Not available
Density	: 823 kg/m ³ @ 15°C (ISO 3675)
Relative density	: Not available
Relative vapour density at 20°C	: Not available
Particle characteristics	: Not applicable

9.2. Other information

Information with regard to physical hazard classes

Explosion limits : 0.6 – 6.5 vol %

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. Acids and bases.

10.6. Hazardous decomposition products

None under normal conditions.

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)	: Inhalation:dust,mist: Harmful if inhaled.

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ATE CLP (dust,mist)	1.17 mg/l/4h
Hydrogenated Dimerization Products of Decene-1 and Reaction Products of Hydrogenated Decene-1	
LD50 oral rat	> 5000 mg/kg Guideline OECD 423
LD50 dermal rat	> 2000 mg/kg Guideline OECD 402
LC50 Inhalation - Rat	1.17 mg/l @ 4u.
ATE CLP (vapours)	1.17 mg/l/4h
ATE CLP (dust,mist)	1.17 mg/l/4h
Hydrogenated dimers of 1-decene, 1-dodecene and 1-octene	
LD50 oral rat	> 5000 mg/kg bodyweight OECD Guideline 401
LD50 dermal rat	> 2000 mg/kg bodyweight OECD Guideline 402
LC50 Inhalation - Rat	1.4 mg/l OECD 403 (4u)
ATE CLP (vapours)	1.4 mg/l/4h
ATE CLP (dust,mist)	1.4 mg/l/4h
naphthalene (91-20-3)	
LD50 oral rat	> 490 mg/kg
LD50 dermal rat	> 2200 mg/kg
LC50 Inhalation - Rat	> 500 mg/m³ 8h
ATE CLP (oral)	500 mg/kg bodyweight
2,2'-(C16-18 (evennumbered, C18 unsaturated) alkyl imino) diethanol (1218787-32-6)	
ATE CLP (oral)	1200 mg/kg bodyweight
1-Decene, homopolymer, hydrogenated (68037-01-4)	
LD50 oral rat	> 5000 mg/kg
LD50 dermal rat	> 2000 mg/kg
LC50 Inhalation - Rat	> 5.2 mg/l/4h OECD 403
LC50 Inhalation - Rat (Vapours)	5.2 mg/l/4h
ATE CLP (vapours)	5.2 mg/l/4h
1-Dodecene dimer with 1-Decene, hydrogenated (151006-58-5)	
LD50 oral rat	> 2000 mg/kg Guideline OECD 420
LD50 dermal rat	> 2000 mg/kg bodyweight Guideline OECD 402
LC50 Inhalation - Rat	1.5 mg/l @ 4hr.
ATE CLP (vapours)	1.5 mg/l/4h
ATE CLP (dust,mist)	1.5 mg/l/4h
Skin corrosion/irritation	: Not classified (Based on available data, the classification criteria are not met.)
Serious eye damage/irritation	: Not classified (Based on available data, the classification criteria are not met.)
Respiratory or skin sensitisation	: Not classified (Based on available data, the classification criteria are not met.)
Germ cell mutagenicity	: Not classified (Based on available data, the classification criteria are not met.)
Carcinogenicity	: Not classified (Based on available data, the classification criteria are not met.)
Reproductive toxicity	: Not classified (Based on available data, the classification criteria are not met.)

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Distillates (petroleum), hydrotreated middle. (64742-46-7)

NOAEL (animal/male, F0/P)	≥ 3000 mg/kg bodyweight Animal: rat, Animal sex: male
STOT-single exposure	: Not classified (Based on available data, the classification criteria are not met.)
STOT-repeated exposure	: Not classified (Based on available data, the classification criteria are not met.)

Hydrogenated dimers of 1-decene, 1-dodecene and 1-octene

NOAEL (oral, rat, 90 days)	≥ 1000 mg/kg bodyweight Guideline OECD 407 @28d
NOAEL (dermal, rat/rabbit, 90 days)	≥ 2000 mg/kg bodyweight Guideline OECD 411 @90d
Aspiration hazard	: May be fatal if swallowed and enters airways.

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Viscosity, kinematic	19 mm ² /s @ 40°C (ISO 3104)
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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 %
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SECTION 12: Ecological information

12.1. Toxicity

Ecology - water	: Harmful to aquatic life with long lasting effects.
Hazardous to the aquatic environment, short-term (acute)	: Not classified
Hazardous to the aquatic environment, long-term (chronic)	: Not classified

Hydrogenated dimers of 1-decene, 1-dodecene and 1-octene

LC50 fish 1	5003 mg/l
LC50 other aquatic organisms 1	5056 mg/l Americamysis bahi
EC50 Daphnia 1	1000 mg/l Selenastrum capricornutum
NOEC chronic fish	> 5003 mg/l OECD 203 (96u)

naphthalene (91-20-3)

LC50 fish 1	≈ 1.6 mg/l Oncorhynchus mykiss
LC50 other aquatic organisms 2	2.16 mg/l @48h Daphnia magna
EC50 Daphnia 1	≈ 1.96 mg/l @48h Daphnia magna
EC50 other aquatic organisms 1	≈ 0.93 mg/l 30 min
EC50 other aquatic organisms 2	> 20 mg/l 18h

2,2'-(C16-18 (evennumbered, C18 unsaturated) alkyl imino) diethanol (1218787-32-6)

LC50 fish 1	0.1 mg/l Brachydanio rerio
EC50 Daphnia 1	0.043 mg/l Daphnia magna
EC50 72h - Algae [1]	0.0053 mg/l Pseudokirchneriella subcapitata
NOEC chronic algae	0.0156 mg/l @3DY (Pseudokirchneriella subcapitata)

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1-Decene, homopolymer, hydrogenated (68037-01-4)	
LC50 fish 1	> 1000 mg/l <i>Salmo gairdneri</i>
LC50 other aquatic organisms 1	> 1000 mg/l <i>scenedes quadricauda</i> @ 3hr
EC50 72h - Algae [1]	> 1000 mg/l waterflea @2Dy
EC50 72h - Algae [2]	> 125 mg/l waterflea @21Dy
NOEC (chronic)	> 1000 mg/l <i>scenedesmus quadricauda</i> @3hr
NOEC (acute)	125 mg/l @waterflea @21Dy

1-Dodecene dimer with 1-Decene, hydrogenated (151006-58-5)	
EC50 Daphnia 1	151 mg/l <i>Daphnia magna</i>
EC50 96h - Algae [1]	> 1000 mg/l <i>Pseudokirchneriella subcapitata</i>

Distillates (petroleum), hydrotreated middle. (64742-46-7)	
EC50 Daphnia 1	68 ml/l OECD 202
EC50 72h - Algae [1]	22 mg/l OECD 201

12.2. Persistence and degradability

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

Hydrogenated Dimerization Products of Decene-1 and Reaction Products of Hydrogenated Decene-1	
Persistence and degradability	Rapidly degradable

Hydrogenated dimers of 1-decene, 1-dodecene and 1-octene	
Persistence and degradability	Readily biodegradable.

naphthalene (91-20-3)	
Persistence and degradability	Rapidly degradable

2,2'-(C16-18 (evennumbered, C18 unsaturated) alkyl imino) diethanol (1218787-32-6)	
Persistence and degradability	Rapidly degradable
BOD (% of ThOD)	63 % ThOD @28DY OECD TG 301 D

1-Decene, homopolymer, hydrogenated (68037-01-4)	
Persistence and degradability	Rapidly degradable
Biodegradation	2 % 28 Dy @ OECD TG 301D

1-Dodecene dimer with 1-Decene, hydrogenated (151006-58-5)	
Persistence and degradability	Rapidly degradable

Distillates (petroleum), hydrotreated middle. (64742-46-7)	
Persistence and degradability	Readily biodegradable.

12.3. Bioaccumulative potential

Hydrogenated Dimerization Products of Decene-1 and Reaction Products of Hydrogenated Decene-1	
Log Kow	6.5

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2,2'-(C16-18 (evennumbered, C18 unsaturated) alkyl imino) diethanol (1218787-32-6)

BCF fish 1 110.2 mg/kg

Log Kow 3.6

1-Decene, homopolymer, hydrogenated (68037-01-4)

Log Kow > 6.5

1-Dodecene dimer with 1-Decene, hydrogenated (151006-58-5)

Log Kow > 6.5

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 Hydrogenated Dimerization Products of Decene-1 and Reaction Products of Hydrogenated Decene-1, Hydrogenated dimers of 1-decene, 1-dodecene and 1-octene, naphthalene (91-20-3)(⁽¹⁾), 2,2'-(C16-18 (evennumbered, C18 unsaturated) alkyl imino) diethanol (1218787-32-6), 1-Dodecene dimer with 1-Decene, hydrogenated (151006-58-5), Distillates (petroleum), hydrotreated middle. (64742-46-7)

Substance(s) not meeting the vPvB criteria of REACH regulation, in accordance with Annex XIII Hydrogenated Dimerization Products of Decene-1 and Reaction Products of Hydrogenated Decene-1, Hydrogenated dimers of 1-decene, 1-dodecene and 1-octene, naphthalene (91-20-3)(⁽¹⁾), 2,2'-(C16-18 (evennumbered, C18 unsaturated) alkyl imino) diethanol (1218787-32-6), 1-Dodecene dimer with 1-Decene, hydrogenated (151006-58-5), Distillates (petroleum), hydrotreated middle. (64742-46-7)

(⁽¹⁾) Substance(s) in concentration below 0.1 % and displayed on a voluntary basis

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

No additional information available

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Additional information : This material and its container must be disposed of in a safe way, and as per local legislation.
European List of Waste (LoW, EC 2000/532) : 13 02 06* - synthetic engine, gear and lubricating oils

SECTION 14: Transport information

In accordance with ADR / IMDG

ADR	IMDG
14.1. UN number or ID number	
Not regulated for transport	

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ADR	IMDG
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
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)

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15.2. Chemical safety assessment

No additional information available

SECTION 16: Other information

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 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
Carc. 2	Carcinogenicity, Category 2
Eye Dam. 1	Serious eye damage/eye irritation, Category 1
H302	Harmful if swallowed.
H304	May be fatal if swallowed and enters airways.
H314	Causes severe skin burns and eye damage.
H318	Causes serious eye damage.
H332	Harmful if inhaled.
H351	Suspected of causing cancer.
H400	Very toxic to aquatic life.
H410	Very toxic to aquatic life with long lasting effects.
Skin Corr. 1C	Skin corrosion/irritation, Category 1, Sub-Category 1C

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.