



CHAMPION LDS FLUID

Safety Data Sheet

according to the REACH Regulation (EC) 1907/2006 amended by Regulation (EU) 2020/878
Issue date: 14/08/2012 Revision date: 19/03/2024 Supersedes version of: 11/12/2023 Version: 3.0

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

1.1. Product identifier

Product form : Mixture
Product name : CHAMPION LDS FLUID
UFI : R8SQ-XNDK-8F0K-1YC5
Product code : 5090
Type of product :
Product group : Blend

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

1.2.1. Relevant identified uses

Intended for general public
Main use category : Industrial use, Professional use, Consumer use
Industrial/Professional use spec : Non-dispersive use
Used in closed systems
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

CHAMPION CHEMICALS N.V.
Georges Gilliotstraat, 52
2620 Hemiksem, Antwerpen
België
T 0032 (0)3 870 00 00, F 0032 (0)3 870 00 99
msds@wolfoil.com, <https://www.championlubes.com>

1.4. Emergency telephone number

Emergency number : 0032 (0)3 870 00 00

Country/Area	Organisation/Company	Address	Emergency number	Comment
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)	
Israel	Israel Poison Information Center Rambam Health Care Campus	6 Ha'Aliya Street 31096	+972 4 854 1900	
Malta	Medicines & Poisons Info Office	Mater Dei Hospital Msida MSD 2090	+356 2545 6508	
Sweden	Giftinformationscentralen	Box 60 500 171 76 Stockholm	112 – begär Giftinformation +46 10 456 6700 (Från utlandet)	

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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)



Signal word (CLP)

: Danger

Contains

: Gehydrogeneerde dimerisatieproducten van 1-deceen en reactieproducten van gehydrogeneerd 1-deceen; Hydrogenated dimerization products of 1-decene, 1-dodecene and 1-octene; 1-Dodecene dimer with 1-Decene, hydrogenated; Petroleum distillates, hydrotreated middle

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.
P271 - Use only outdoors or in a well-ventilated area.
P301+P310+P331 - IF SWALLOWED: Immediately call a POISON CENTER or doctor. Do NOT induce vomiting.
P304+P340 - IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.
P405 - Store locked up.
P501 - Dispose of contents/container in accordance with local/regional/national/international regulations.

EUH-statements

: EUH208 - Contains Methyl methacrylate. May produce an allergic reaction.

2.3. Other hazards

Contains no PBT/vPvB substances $\geq 0.1\%$ 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 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 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]
Gehydrogeneerde dimerisatieproducten van 1-deceen en reactieproducten van gehydrogeneerd 1-deceen	EC-No.: 931-652-2	29.9	Acute Tox. 4 (Inhalation:dust,mist), H332 (ATE=1.17 mg/l/4h) Asp. Tox. 1, H304

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Name	Product identifier	%	Classification according to Regulation (EC) No. 1272/2008 [CLP]
Hydrogenated dimerization products of 1-decene, 1-dodecene and 1-octene	EC-No.: 700-308-1 REACH-no: 01-2119411393-49	27.9	Acute Tox. 4 (Inhalation:dust,mist), H332 (ATE=1.4 mg/l/4h) Asp. Tox. 1, H304
1-Dodecene dimer with 1-Decene, hydrogenated	CAS-No.: 151006-58-5 EC-No.: 604-766-2 EC Index-No.: 601-070-00-0	24.9	Acute Tox. 4 (Inhalation), H332 (ATE=1.5 mg/l/4h) Asp. Tox. 1, H304
Petroleum distillates, hydrotreated middle	EC-No.: 265-148-2	9.99	Asp. Tox. 1, H304
Methyl methacrylate	CAS-No.: 80-62-6 EC-No.: 201-297-1 EC Index-No.: 607-035-00-6	0.29	Flam. Liq. 2, H225 STOT SE 3, H335 Skin Irrit. 2, H315 Skin Sens. 1, H317
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	0.24	Acute Tox. 4 (Oral), H302 (ATE=500 mg/kg bodyweight) Skin Corr. 1C, H314 Eye Dam. 1, H318 Aquatic Acute 1, H400 (M=10) Aquatic Chronic 1, H410
naphthalene	CAS-No.: 91-20-3 EC-No.: 202-049-5 EC Index-No.: 601-052-00-2	0.099	Carc. 2, H351 Acute Tox. 4 (Oral), H302 (ATE=500 mg/kg bodyweight) 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

First-aid measures after inhalation	: Not expected to require first aid measures.
First-aid measures after skin contact	: Wash skin with mild soap and water.
First-aid measures after eye contact	: In case of eye contact, immediately rinse with clean water for 10-15 minutes.
First-aid measures after ingestion	: Do not induce vomiting. Rinse mouth. Get immediate medical advice/attention.

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

Symptoms/effects after inhalation	: Inhalation of vapours may cause respiratory irritation. Harmful if inhaled.
Symptoms/effects after skin contact	: Not expected to present a significant skin hazard under anticipated conditions of normal use. May cause an allergic skin reaction.
Symptoms/effects after eye contact	: Not expected to present a significant eye contact hazard under anticipated conditions of normal use.
Symptoms/effects after ingestion	: May cause gastrointestinal irritation, nausea, vomiting and diarrhoea. May be fatal if swallowed and enters airways. Keep under medical supervision for at least 48 hours.

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

Treat symptomatically.

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media	: Water fog. Foam. Powder. Dry chemical product.
Unsuitable extinguishing media	: Do not use a heavy water stream.

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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

6.1.1. For non-emergency personnel

Protective equipment	: Wear suitable protective clothing and gloves.
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6.1.2. For emergency responders

Protective equipment	: Wear suitable protective clothing and gloves.
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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	: Impound and recover large spill by mixing it with inert granular solids.
Methods for cleaning up	: Detergent. Take up liquid spill into absorbent material sand, saw dust, kieselguhr.
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

Precautions for safe handling	: Avoid all unnecessary exposure. Both local exhaust and general room ventilation are usually required.
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

Storage temperature	: ≤ 40 °C
Storage area	: Store in dry, cool, well-ventilated area.
Special rules on packaging	: Packaging destined for the general public must be fitted with child-proof closures and a tactile danger indication.

7.3. Specific end use(s)

No additional information available

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

8.1.1 National occupational exposure and biological limit values

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Methyl methacrylate (80-62-6)	
EU - Indicative Occupational Exposure Limit (IOEL)	
Local name	Methyl methacrylate
IOEL TWA	50 ppm @8h
IOEL STEL	100 ppm @15min
Regulatory reference	COMMISSION DIRECTIVE 2009/161/EU
Austria - Occupational Exposure Limits	
MAK (OEL TWA)	208 mg/m ³ @8h
	50 ppm @8h
MAK (OEL STEL)	416 mg/m ³ @15min
	100 ppm @15min
Belgium - Occupational Exposure Limits	
Local name	Méthacrylate de méthyle # Methylmethacrylaat
OEL TWA	208 mg/m ³ @8h
	50 ppm @8h
OEL STEL	416 mg/m ³ @15min
	100 ppm @15min
Regulatory reference	Koninklijk besluit/Arrêté royal 11/05/2021
Bulgaria - Occupational Exposure Limits	
OEL TWA	50 ppm @8h
OEL STEL	100 ppm @15min
Croatia - Occupational Exposure Limits	
GVI (OEL TWA)	50 ppm @8h
KGVI (OEL STEL)	100 ppm @15min
Czech Republic - Occupational Exposure Limits	
PEL (OEL TWA)	50 mg/m ³ @8h
	12 ppm @8h
NPK-P (OEL C)	150 mg/m ³ @15min
	36 ppm @15min
Denmark - Occupational Exposure Limits	
OEL TWA	102 mg/m ³ @8h
	25 ppm @8h
Estonia - Occupational Exposure Limits	
OEL TWA	50 ppm @8h
OEL STEL	100 ppm @15min
Finland - Occupational Exposure Limits	
HTP (OEL TWA)	42 mg/m ³ @8h
	10 ppm @8h
HTP (OEL STEL)	210 mg/m ³ @15min

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Methyl methacrylate (80-62-6)	
	50 ppm @ 15min
France - Occupational Exposure Limits	
VME (OEL TWA)	205 mg/m ³ @ 8h
	50 ppm @ 8h
VLE (OEL C/STEL)	410 mg/m ³ @ 15min
	100 ppm @ 15min
Germany - Occupational Exposure Limits (TRGS 900)	
AGW (OEL TWA)	210 mg/m ³ @ 8h
	50 ppm @ 8h
Greece - Occupational Exposure Limits	
OEL TWA	50 ppm @ 8h
OEL STEL	100 ppm @ 15min
Hungary - Occupational Exposure Limits	
AK (OEL TWA)	208 mg/m ³ @ 8h
Ireland - Occupational Exposure Limits	
OEL TWA	50 ppm @ 8h
OEL STEL	100 ppm @ 15min
Italy - Occupational Exposure Limits	
OEL TWA	50 ppm @ 8h
OEL STEL	100 ppm @ 15min
Latvia - Occupational Exposure Limits	
OEL TWA	10 mg/m ³ @ 8h
Lithuania - Occupational Exposure Limits	
IPRV (OEL TWA)	208 mg/m ³ @ 8h
	50 ppm @ 8h
TPRV (OEL STEL)	416 mg/m ³ @ 15min
	100 ppm @ 15min
Netherlands - Occupational Exposure Limits	
TGG-8u (OEL TWA)	205 mg/m ³
TGG-15min (OEL STEL)	410 mg/m ³
Poland - Occupational Exposure Limits	
NDS (OEL TWA)	100 mg/m ³ @ 8h
NDSP (OEL C)	300 mg/m ³ @ 15min
Portugal - Occupational Exposure Limits	
OEL TWA	50 ppm @ 8h
OEL STEL	100 ppm @ 15min
Romania - Occupational Exposure Limits	
OEL TWA	205 mg/m ³ @ 8h

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Methyl methacrylate (80-62-6)	
	50 ppm @8h
OEL STEL	410 mg/m ³ @15min
	100 ppm @15min
Slovakia - Occupational Exposure Limits	
NPHV (OEL TWA)	50 ppm @8h
NPHV (OEL STEL)	100 ppm @15min
Slovenia - Occupational Exposure Limits	
OEL TWA	210 mg/m ³ @8h
	50 ppm @8h
OEL STEL	420 mg/m ³ @15min
	100 ppm @15min
Spain - Occupational Exposure Limits	
VLA-ED (OEL TWA)	50 ppm @8h
VLA-EC (OEL STEL)	100 ppm @15min
Sweden - Occupational Exposure Limits	
NGV (OEL TWA)	210 mg/m ³ @8h
	50 ppm @8h
KTV (OEL STEL)	420 mg/m ³ @15min
	100 ppm @15min
Iceland - Occupational Exposure Limits	
OEL TWA	50 ppm @8h
OEL STEL	100 ppm @15min
Norway - Occupational Exposure Limits	
Grenseverdi (OEL TWA)	100 mg/m ³ @8h
	25 ppm @8h
Korttidsverdi (OEL STEL)	400 mg/m ³ @15min
	100 ppm @15min
naphthalene (91-20-3)	
EU - Indicative Occupational Exposure Limit (IOEL)	
IOEL TWA	50 mg/m ³
	10 ppm
Austria - Occupational Exposure Limits	
MAK (OEL TWA)	50 mg/m ³
	10 ppm
Belgium - Occupational Exposure Limits	
OEL TWA	53 mg/m ³
	10 ppm
OEL STEL	80 mg/m ³

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naphthalene (91-20-3)	
	15 ppm
Bulgaria - Occupational Exposure Limits	
OEL TWA	50 mg/m ³ 8h
OEL STEL	75 mg/m ³ 15 min.
Denmark - Occupational Exposure Limits	
OEL TWA	50 mg/m ³
	10 ppm
OEL STEL	100 mg/m ³
	20 ppm
Estonia - Occupational Exposure Limits	
OEL TWA	50 mg/m ³
Finland - Occupational Exposure Limits	
HTP (OEL TWA)	5 mg/m ³
	1 ppm
HTP (OEL STEL)	10 mg/m ³
	2 ppm
France - Occupational Exposure Limits	
VME (OEL TWA)	50 mg/m ³
	10 ppm
Germany - Occupational Exposure Limits (TRGS 900)	
AGW (OEL TWA)	2 mg/m ³
	0.4 ppm
Hungary - Occupational Exposure Limits	
AK (OEL TWA)	50 mg/m ³
Ireland - Occupational Exposure Limits	
OEL TWA	50 mg/m ³
	10 ppm
Italy - Occupational Exposure Limits	
OEL TWA	50 mg/m ³
	10 ppm
Latvia - Occupational Exposure Limits	
OEL TWA	50 mg/m ³
	10 ppm
Netherlands - Occupational Exposure Limits	
TGG-8u (OEL TWA)	50 mg/m ³
TGG-15min (OEL STEL)	80 mg/m ³
Poland - Occupational Exposure Limits	
NDS (OEL TWA)	20 mg/m ³

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naphthalene (91-20-3)	
NDSCh (OEL STEL)	50 mg/m ³
Spain - Occupational Exposure Limits	
VLA-ED (OEL TWA)	50 mg/m ³
	10 ppm
VLA-EC (OEL STEL)	80 mg/m ³
	15 ppm
Sweden - Occupational Exposure Limits	
NGV (OEL TWA)	50 mg/m ³
	10 ppm
KTV (OEL STEL)	80 mg/m ³
	15 ppm
United Kingdom - Occupational Exposure Limits	
WEL TWA (OEL TWA)	50 mg/m ³
Norway - Occupational Exposure Limits	
Grenseverdi (OEL TWA)	50 mg/m ³
	10 ppm
Switzerland - Occupational Exposure Limits	
MAK (OEL TWA)	50 mg/m ³
	10 ppm
USA - ACGIH - Occupational Exposure Limits	
ACGIH OEL TWA	10 mg/m ³
ACGIH OEL STEL	15 fibers/cm ³

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 : 5 mg/m³ for oil mists (TWA, 8h-workday) recommended, based upon the ACGIH TLV (Analysis according to US NIOSH Method 5026, NIOSH Manual of Analytical Methods, 3rd Edition).

8.1.5. Control banding

No additional information available

8.2. Exposure controls

8.2.1. Appropriate engineering controls

No additional information available

8.2.2. Personal protection equipment

Personal protective equipment:

Safety glasses. Gloves.

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Personal protective equipment symbol(s):



8.2.2.1. Eye and face protection

No additional information available

8.2.2.2. Skin protection

Skin and body protection:

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

Hand protection:

Permeation time: minimum >480min long term exposure; material / thickness [mm]: >0,35 mm. Nitrile rubber (NBR) /

8.2.2.3. Respiratory protection

Respiratory protection:

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

8.2.2.4. Thermal hazards

No additional information available

8.2.3. Environmental exposure controls

No additional information available

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state	: Liquid
Colour	: dark orange.
Appearance	: Oily liquid.
Odour	: Characteristic.
Odour threshold	: Not available
Melting point	: Not available
Freezing point	: Not available
Boiling point	: Not available
Flammability	: Not available
Oxidising properties	: Not applicable.
Lower explosion limit	: Not available
Upper explosion limit	: Not available
Flash point	: > 150 °C (ISO 2592)
Auto-ignition temperature	: Not available
Decomposition temperature	: Not available
pH	: Not available
Viscosity, kinematic	: 18 mm ² /s @40°C
Solubility	: Slightly soluble, the product remains on the water surface.
Partition coefficient n-octanol/water (Log Kow)	: Not available
Vapour pressure	: 0.001 hPa @20°C
Vapour pressure at 50°C	: Not available
Density	: 820 kg/m ³ @15°C (ASTM D1298)
Relative density	: Not available
Relative vapour density at 20°C	: Not available
Particle characteristics	: Not applicable

9.2. Other information

9.2.1. Information with regard to physical hazard classes

Explosion limits	: 0.6 – 6.5 vol %
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9.2.2. Other safety characteristics

No additional information available

SECTION 10: Stability and reactivity

10.1. Reactivity

None under normal conditions.

10.2. Chemical stability

Stable under normal conditions.

10.3. Possibility of hazardous reactions

None under normal conditions.

10.4. Conditions to avoid

No data available.

10.5. Incompatible materials

Strong oxidizers. acids. 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
Acute toxicity (dermal) : Not classified
Acute toxicity (inhalation) : Inhalation:dust,mist: Harmful if inhaled.

CHAMPION LDS FLUID	
ATE CLP (dust,mist)	1.814 mg/l/4h
Gehydrogeneerde dimerisatieproducten van 1-deceen en reactieproducten van gehydrogeneerd 1-deceen	
LD50 oral rat	> 5000 mg/kg (OECD 423)
LD50 dermal rat	> 2000 (OECD 402)
LC50 Inhalation - Rat	1.17 mg/l/4h
Hydrogenated dimerization products of 1-decene, 1-dodecene and 1-octene	
LD50 oral rat	> 5000 mg/kg bodyweight (OECD 401)
LD50 dermal rat	> 2000 mg/kg bodyweight (OECD 402)
LC50 Inhalation - Rat	1.4 mg/l/4h (OECD 403)
1-Dodecene dimer with 1-Decene, hydrogenated (151006-58-5)	
LD50 oral rat	> 2000 mg/kg (OECD 420)
LD50 dermal rat	> 2000 mg/kg bodyweight Animal: rat, Guideline: OECD Guideline 402 (Acute Dermal Toxicity)
LC50 Inhalation - Rat	1.5 mg/l/4h
Methyl methacrylate (80-62-6)	
LD50 oral rat	7900 mg/kg

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Methyl methacrylate (80-62-6)	
LD50 dermal rabbit	> 5000 mg/kg (OECD 402)
LC50 Inhalation - Rat	29.8 mg/l/4h
naphthalene (91-20-3)	
LD50 oral rat	> 490 mg/kg
LD50 dermal rat	> 2200 mg/kg
LC50 Inhalation - Rat	500 mg/m ³ @8h
LC50 Inhalation - Rat (Vapours)	> 0.0004 mg/l/4h
Skin corrosion/irritation	: May produce an allergic reaction
Serious eye damage/irritation	: Not classified
Respiratory or skin sensitisation	: Not classified
Germ cell mutagenicity	: Not classified
Carcinogenicity	: Not classified
Reproductive toxicity	: Not classified
STOT-single exposure	: Not classified
Methyl methacrylate (80-62-6)	
STOT-single exposure	May cause respiratory irritation.
STOT-repeated exposure	: Not classified
Hydrogenated dimerization products of 1-decene, 1-dodecene and 1-octene	
NOAEL (oral, rat, 28 days)	≥ 1000 mg/kg bodyweight/day (OECD 407)
NOAEL (dermal, rat/rabbit, 90 days)	≥ 2000 mg/kg bodyweight/day (OECD 411)
Aspiration hazard	: May be fatal if swallowed and enters airways.
CHAMPION LDS FLUID	
Viscosity, kinematic	18 mm ² /s @40°C

11.2. Information on other hazards

No additional information available

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

Hydrogenated dimerization products 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 - Crustacea [1]	1000 mg/l (Selenastrum capricornutum)
NOEC chronic fish	> 5003 mg/l (OECD 203)
1-Dodecene dimer with 1-Decene, hydrogenated (151006-58-5)	
EC50 - Crustacea [1]	151 mg/l (Daphnia magna)
EC50 72h - Algae [1]	> 1000 mg/l (Pseudokirchneriella subcapitata)

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Methyl methacrylate (80-62-6)	
LC50 - Fish [1]	> 79 mg/l (Oncorhynchus mykiss)
EC50 - Crustacea [1]	69 mg/l (Daphnia magna)
EC50 72h - Algae [1]	> 110 mg/l (Pseudokirchneriella subcapitata)
NOEC chronic fish	9.4 mg/l @35d (Danio rerio)
NOEC chronic crustacea	37 mg/l @21d (Daphnia magna)
NOEC chronic algae	110 mg/l @72h (Pseudokirchneriella subcapitata)
2,2'-(C16-18 (evennumbered, C18 unsaturated) alkyl imino) diethanol (1218787-32-6)	
LC50 - Fish [1]	0.1 mg/l (Brachydanio rerio)
EC50 - Crustacea [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)
naphthalene (91-20-3)	
LC50 - Fish [1]	≈ 1.6 mg/l (Oncorhynchus mykiss)
EC50 - Crustacea [1]	≈ 1.96 mg/l (Daphnia magna)
EC50 96h - Algae [1]	2.96 mg/l (Pseudokirchneriella subcapitata)
NOEC (chronic)	0.59 mg/l @125d - Daphnia duplex
NOEC chronic fish	0.12 mg/l @40d (Oncorhynchus gorbuscha)
12.2. Persistence and degradability	
CHAMPION LDS FLUID	
Persistence and degradability	Not soluble in water, so only minimally biodegradable.
Gehydrogeneerde dimerisatieproducten van 1-deceen en reactieproducten van gehydrogeneerd 1-deceen	
Persistence and degradability	Not rapidly degradable
Hydrogenated dimerization products of 1-decene, 1-dodecene and 1-octene	
Persistence and degradability	Readily biodegradable.
1-Dodecene dimer with 1-Decene, hydrogenated (151006-58-5)	
Persistence and degradability	Not rapidly degradable
Petroleum distillates, hydrotreated middle	
Persistence and degradability	Rapidly degradable
Methyl methacrylate (80-62-6)	
Persistence and degradability	Rapidly degradable
Biodegradation	94 % (OECD 301C)
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)
naphthalene (91-20-3)	
Persistence and degradability	Inherently biodegradable.

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12.3. Bioaccumulative potential

Hydrogenated dimerization products of 1-decene, 1-dodecene and 1-octene

Partition coefficient n-octanol/water (Log Kow)	6.5
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1-Dodecene dimer with 1-Decene, hydrogenated (151006-58-5)

Partition coefficient n-octanol/water (Log Kow)	> 6.5
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Methyl methacrylate (80-62-6)

Partition coefficient n-octanol/water (Log Pow)	1.38
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2,2'-(C16-18 (evennumbered, C18 unsaturated) alkyl imino) diethanol (1218787-32-6)

BCF - Fish [1]	110.2 mg/kg
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Partition coefficient n-octanol/water (Log Kow)	3.6
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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

No additional information available

12.7. Other adverse effects

No additional information available

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Additional information : Dispose in a safe manner in accordance with local/national regulations.

SECTION 14: Transport information

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

14.1. UN number or ID number

Not regulated for transport

14.2. UN proper shipping name

Proper Shipping Name (ADR)	: Not applicable
Proper Shipping Name (IMDG)	: Not applicable
Proper Shipping Name (IATA)	: Not applicable
Proper Shipping Name (ADN)	: Not applicable
Proper Shipping Name (RID)	: Not applicable

14.3. Transport hazard class(es)

ADR

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

IMDG

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

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IATA

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

ADN

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

RID

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

14.4. Packing group

Packing group (ADR) : Not applicable
Packing group (IMDG) : Not applicable
Packing group (IATA) : Not applicable
Packing group (ADN) : Not applicable
Packing group (RID) : Not applicable

14.5. Environmental hazards

Other information : No supplementary information available

14.6. Special precautions for user

Overland transport

No data available

Transport by sea

No data available

Air transport

No data available

Inland waterway transport

No data available

Rail transport

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

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)

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Dual-Use Regulation (428/2009)

Contains no substance subject to the COUNCIL REGULATION (EC) No 428/2009 of 5 May 2009 setting up a Community regime for the control of exports, transfer, brokering and transit of dual-use items.

Explosives Precursors Regulation (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 (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)

15.1.2. National regulations

France

Occupational diseases	
Code	Description
RG 82	Conditions caused by methyl methacrylate

Germany

Water hazard class (WGK) : WGK 2, Significantly hazardous to water (Classification according to AwSV, Annex 1).
Hazardous Incident Ordinance (12. BImSchV) : Is not subject of the Hazardous Incident Ordinance (12. BImSchV)

Netherlands

SZW-lijst van kankerverwekkende stoffen : Petroleum distillates, hydrotreated middle is listed
SZW-lijst van mutagene stoffen : Petroleum distillates, hydrotreated middle is listed
SZW-lijst van reprotoxische stoffen – Borstvoeding : None of the components are listed
SZW-lijst van reprotoxische stoffen – Vruchtbaarheid : None of the components are listed
SZW-lijst van reprotoxische stoffen – Ontwikkeling : None of the components are listed

Denmark

Danish National Regulations : Young people below the age of 18 years are not allowed to use the product

15.2. Chemical safety assessment

No additional information available

SECTION 16: Other information

Indication of changes			
Section	Changed item	Change	Comments
	Supersedes	Modified	
	Revision date	Modified	
1.1	UFI on SDS 1.1	Removed	
1.2	Intended for general public	Added	
2.1	Intended for general public	Added	
2.2	Precautionary statements (CLP)	Modified	
3	Composition/information on ingredients	Modified	
9.1	Colour	Modified	
9.1	Flash point	Modified	
9.1	Density	Modified	
9.1	Viscosity, kinematic	Modified	
9.1	Boiling point	Removed	

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Indication of changes			
Section	Changed item	Change	Comments
9.1	Auto-ignition temperature	Removed	
9.1	Upper explosive limit (UEL)	Added	
9.1	Lower explosive limit (LEL)	Added	
11.1	ATE CLP (dust,mist)	Modified	

Other information

: The information in this SDS was obtained from sources which we believe are reliable. However, the information is provided without any warranty, express or implied, regarding its correctness. The conditions or methods of handling, storage, use or disposal of the product are beyond our control and may be beyond our knowledge. For this and other reasons, we do not assume responsibility and expressly disclaim liability for loss, damage or expense arising out of or in any way connected with the handling, storage, use or disposal of the product. This MSDS was prepared and is to be used only for this product. If the product is used as a component in another product, this MSDS information may not be applicable.

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
EUH208	Contains Methyl methacrylate. May produce an allergic reaction.
Eye Dam. 1	Serious eye damage/eye irritation, Category 1
Flam. Liq. 2	Flammable liquids, Category 2
H225	Highly flammable liquid and vapour.
H302	Harmful if swallowed.
H304	May be fatal if swallowed and enters airways.
H314	Causes severe skin burns and eye damage.
H315	Causes skin irritation.
H317	May cause an allergic skin reaction.
H318	Causes serious eye damage.
H332	Harmful if inhaled.
H335	May cause respiratory irritation.
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
Skin Irrit. 2	Skin corrosion/irritation, Category 2
Skin Sens. 1	Skin sensitisation, Category 1

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Full text of H- and EUH-statements:	
STOT SE 3	Specific target organ toxicity – Single exposure, Category 3, Respiratory tract irritation

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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.