

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

1.1. Product identifier

Product form : Mixture
 Product name : DAMLES DMF4 TRUCK
 UFI : WFJ0-N0DK-100W-3FR8
 Product code : V203

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

1.2.1. Relevant identified uses

Industrial/Professional use spec : Industrial
 For professional use only
 Function or use category : Fuel additives

1.2.2. Uses advised against

No additional information available

1.3. Details of the supplier of the safety data sheet

Comercial Química Massó, S.A.
 C/Viladomat, 321, 5º
 08029 Barcelona - SPAIN
 T +34 934 952 500 - F +34 934 952 502
msds.support@cqmasso.com

1.4. Emergency telephone number

Emergency number : 704 100 087 (España)

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

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

Acute toxicity (oral), Category 4	H302
Acute toxicity (dermal), Category 4	H312
Acute toxicity (inhalation:dust,mist) Category 4	H332
Skin corrosion/irritation, Category 1, Sub-Category 1C	H314
Skin sensitisation, Category 1	H317
Specific target organ toxicity — Repeated exposure, Category 2	H373
Hazardous to the aquatic environment — Acute Hazard, Category 1	H400
Hazardous to the aquatic environment — Chronic Hazard, Category 1	H410

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) :



GHS05

GHS07

GHS08

GHS09

Signal word (CLP) : Danger



DAMLES DMF4 TRUCK

Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2020/878
 Issue date: 25/01/2022 Revision date: 25/01/2022 Supersedes version of: 12/10/2021 Version: 1.0

Contains	: 2,4,6-tri-tert-butylphenol; Mixture of 2-methylisothiazolin-3-one and 5-chloro-2-methylisothiazolin-3-one; 2-ethylhexyl nitrate
Hazard statements (CLP)	: H302+H312+H332 - Harmful if swallowed, in contact with skin or if inhaled. H314 - Causes severe skin burns and eye damage. H317 - May cause an allergic skin reaction. H373 - May cause damage to organs through prolonged or repeated exposure. H410 - Very toxic to aquatic life with long lasting effects.
Precautionary statements (CLP)	: P260 - Do not breathe dust/fume/gas/mist/vapours/spray. P264 - Wash hands, forearms and face thoroughly after handling. P270 - Do not eat, drink or smoke when using this product. P271 - Use only outdoors or in a well-ventilated area. P272 - Contaminated work clothing should not be allowed out of the workplace. P273 - Avoid release to the environment. P280 - Wear protective gloves/protective clothing/eye protection/face protection/hearing protection. P301+P312 - IF SWALLOWED: Call a POISON CENTRE or doctor if you feel unwell. P301+P330+P331 - IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.

2.3. Other hazards

No additional information available

SECTION 3: Composition/information on ingredients

3.1. Substances

Not applicable

3.2. Mixtures

Name	Product identifier	%	Classification according to Regulation (EC) No. 1272/2008 [CLP]
2-ethylhexyl nitrate	(CAS-No.) 27247-96-7 (EC-No.) 248-363-6 (REACH-no) 01-2119539586-27	40-60	Acute Tox. 4 (Oral), H302 Acute Tox. 4 (Dermal), H312 Acute Tox. 4 (Inhalation), H332 Aquatic Chronic 2, H411
Solvent naphtha (petroleum), heavy arom	(CAS-No.) 64742-94-5 (EC-No.) 265-198-5 (REACH-no) 2119510128-50	3-8	Skin Irrit. 2, H315 STOT SE 3, H336 Asp. Tox. 1, H304 Aquatic Chronic 2, H411
2,4,6-tri-tert-butylphenol	(CAS-No.) 732-26-3 (EC-No.) 211-989-5 (REACH-no) 01-2119879273-29	1-5	Acute Tox. 4 (Oral), H302 Skin Irrit. 2, H315 STOT RE 1, H372 Aquatic Chronic 2, H411
Mixture of 2-methylisothiazolin-3-one and 5-chloro-2-methylisothiazolin-3-one	(CAS-No.) 55965-84-9 (EC Index-No.) 613-167-00-5 (REACH-no) 01-2120764691-48	0,5-2	Acute Tox. 2 (Inhalation), H330 Acute Tox. 2 (Dermal), H310 Acute Tox. 3 (Oral), H301 Skin Corr. 1C, H314 Eye Dam. 1, H318 Skin Sens. 1A, H317 Aquatic Acute 1, H400 (M=100) Aquatic Chronic 1, H410 (M=100)
Hydrocarbons, C10, aromatics, >1% naphthalene	(CAS-No.) - (EC-No.) 919-284-0 (REACH-no) 01-2119463588-24	0-1	Carc. 2, H351 STOT SE 3, H336 Asp. Tox. 1, H304 Aquatic Chronic 2, H411



DAMLES DMF4 TRUCK

Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2020/878
 Issue date: 25/01/2022 Revision date: 25/01/2022 Supersedes version of: 12/10/2021 Version: 1.0

Naphthalene substance with national workplace exposure limit(s) (DE, ES, FR, PT); substance with a Community workplace exposure limit	(CAS-No.) 91-20-3 (EC-No.) 202-049-5 (EC Index-No.) 601-052-00-2 (REACH-no) 01-2119561346-37	0-1	Carc. 2, H351 Acute Tox. 4 (Oral), H302 Aquatic Acute 1, H400 Aquatic Chronic 1, H410
2-Ethyl-1-hexanol substance with national workplace exposure limit(s) (DE, ES, FR, GB, IT); substance with a Community workplace exposure limit	(CAS-No.) 104-76-7 (EC-No.) 203-234-3 (REACH-no) 01-2119487289-20	< 0,1	Acute Tox. 4 (Inhalation), H332 Skin Irrit. 2, H315 Eye Irrit. 2, H319 STOT SE 3, H335

Specific concentration limits:		
Name	Product identifier	Specific concentration limits
Mixture of 2-methylisothiazolin-3-one and 5-chloro-2-methylisothiazolin-3-one	(CAS-No.) 55965-84-9 (EC Index-No.) 613-167-00-5 (REACH-no) 01-2120764691-48	(0,0015 ≤C ≤ 100) Skin Sens. 1A, H317 (0,06 ≤C < 0,6) Eye Irrit. 2, H319 (0,06 ≤C < 0,6) Skin Irrit. 2, H315 (0,6 ≤C ≤ 100) Eye Dam. 1, H318 (0,6 ≤C ≤ 100) Skin Corr. 1C, H314

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

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

Symptoms/effects	: Not expected to present a significant hazard under anticipated conditions of normal use.
------------------	--

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

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

No additional information available

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.
Protection during firefighting	: Do not enter fire area without proper protective equipment, including respiratory protection.



DAMLES DMF4 TRUCK

Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH) with its amendment
Regulation (EU) 2020/878
Issue date: 25/01/2022 Revision date: 25/01/2022 Supersedes version
of: 12/10/2021 Version: 1.0

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

6.1.1. For non-emergency personnel

Emergency procedures : Evacuate unnecessary personnel.

6.1.2. 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

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.

7.2. Conditions for safe storage, including any incompatibilities

Storage conditions : Keep only in the original container in a cool, well ventilated place away from : Keep container closed when not in use.

Incompatible products : Strong bases. Strong acids.

Incompatible materials : Sources of ignition. Direct sunlight.

7.3. Specific end use(s)

See Heading 1.2.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

8.1.1 National occupational exposure and biological limit values

2-Ethyl-1-hexanol (104-76-7)

EU - Indicative Occupational Exposure Limit (IOEL)

Local name	2-ethylhexan-1-ol
IOEL TWA [ppm]	1 ppm
Regulatory reference	COMMISSION DIRECTIVE (EU) 2017/164

France - Occupational Exposure Limits

Local name	2-Ethylhexan-1-ol
VME (OEL TWA)	5,4 mg/m ³



DAMLES DMF4 TRUCK

Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH) with its amendment
 Regulation (EU) 2020/878
 Issue date: 25/01/2022 Revision date: 25/01/2022 Supersedes version
 of: 12/10/2021 Version: 1.0

VME (OEL TWA) [ppm]	1 ppm
Note (FR)	Valeurs réglementaires indicatives
Regulatory reference	Circulaire du Ministère du travail (réf.: Arrête du 27 septembre 2019)
Germany - Occupational Exposure Limits (TRGS 900)	
Local name	2-Ethylhexan-1-ol
AGW (OEL TWA) [1]	110 mg/m ³
AGW (OEL TWA) [2]	20 ppm
Peak exposure limitation factor	1(I)
Remark	DFG,Y
Regulatory reference	TRGS900
Italy - Occupational Exposure Limits	
Local name	2-Etilesan-1-olo
OEL TWA	5,4 mg/m ³
OEL TWA [ppm]	1 ppm
Regulatory reference	Allegato XXXVIII del D.Lgs. 9 aprile 2008, n. 81 e s.m.i.
Spain - Occupational Exposure Limits	
Local name	2-Etilhexanol
VLA-ED (OEL TWA) [1]	5,4 mg/m ³
VLA-ED (OEL TWA) [2]	1 ppm
Notes	VLI (Agente químico para el que la U.E. estableció en su día un valor límite indicativo).
Regulatory reference	Límites de Exposición Profesional para Agentes Químicos en España 2021. INSHT
United Kingdom - Occupational Exposure Limits	
Local name	2-ethylhexan-1-ol
WEL TWA (OEL TWA) [1]	5,4 mg/m ³
WEL TWA (OEL TWA) [2]	1 ppm
Regulatory reference	EH40/2005 (Fourth edition, 2020). HSE
Switzerland - Occupational Exposure Limits	
Local name	2-Ethylhexanol
MAK (OEL TWA) [1]	110 mg/m ³
MAK (OEL TWA) [2]	20 ppm
KZGW (OEL STEL)	110 mg/m ³
KZGW (OEL STEL) [ppm]	20 ppm
Critical toxicity	VRS, Yeux / OAW, Auge
Notation	SS _c / SS _c
Remark	15 min
Regulatory reference	www.suva.ch, 01.01.2021



DAMLES DMF4 TRUCK

Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2020/878
 Issue date: 25/01/2022 Revision date: 25/01/2022 Supersedes version of: 12/10/2021 Version: 1.0

Naphthalene (91-20-3)

EU - Indicative Occupational Exposure Limit (IOEL)	
Local name	Naphthalene
IOEL TWA [ppm]	10 ppm
Notes	(Year of adoption 2010)
Regulatory reference	COMMISSION DIRECTIVE 91/322/EEC; SCOEL Recommendations
France - Occupational Exposure Limits	
Local name	Naphtalène
VME (OEL TWA)	50 mg/m ³
VME (OEL TWA) [ppm]	10 ppm
Note (FR)	Valeurs recommandées/admises; substance classée cancérogène de catégorie 2
Regulatory reference	Circulaire du Ministère du travail (réf.: INRS ED 984, 2016)
Germany - Occupational Exposure Limits (TRGS 900)	
Local name	Naphthalin
AGW (OEL TWA) [1]	0,5 mg/m ³
AGW (OEL TWA) [2]	0,1 ppm
Peak exposure limitation factor	4(l)
Remark	AGS,H,Y,11
Regulatory reference	TRGS900
Portugal - Occupational Exposure Limits	
Local name	Naftaleno
OEL TWA [ppm]	10 ppm
OEL STEL [ppm]	15 ppm
Remark	P (Toxicidade percutânea); A3 (Agente carcinogénico confirmado nos animais de laboratório con relevância desconhecida no Homem)
Regulatory reference	Norma Portuguesa NP 1796:2014
Portugal - Biological limit values	
Local name	Naftaleno
BEI	Parâmetro: 1-Naftol + 2-Naftol - Momento da amostragem: Fim do turno - Notação: Nq (Não quantitativo), Ne (Não específico), Com hidrólise
Regulatory reference	Norma Portuguesa NP 1796:2014
Spain - Occupational Exposure Limits	
Local name	Naftaleno
VLA-ED (OEL TWA) [1]	53 mg/m ³
VLA-ED (OEL TWA) [2]	10 ppm
VLA-EC (OEL STEL)	80 mg/m ³
VLA-EC (OEL STEL) [ppm]	15 ppm



DAMLES DMF4 TRUCK

Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2020/878
 Issue date: 25/01/2022 Revision date: 25/01/2022 Supersedes version of: 12/10/2021 Version: 1.0

Notes	Vía dérmica: (Indica que, en las exposiciones a esta sustancia, la aportación por la vía cutánea puede resultar significativa para el contenido corporal total si no se adoptan medidas para prevenir la absorción. En estas situaciones, es aconsejable la utilización del control biológico para poder cuantificar la cantidad global absorbida del contaminante. Para más información véase el Apartado 5 de este documento.), VLI (Agente químico para el que la U.E. estableció en su día un valor límite indicativo. Todos estos agentes químicos figuran al menos en una de las directivas de valores límite indicativos publicadas hasta ahora (ver Anexo C. Bibliografía). Los estados miembros disponen de un tiempo fijado en dichas directivas para su transposición a los valores límites de cada país miembro. Una vez adoptados, estos valores tienen la misma validez que el resto de los valores adoptados por el país.)
Regulatory reference	Límites de Exposición Profesional para Agentes Químicos en España 2021. INSHT
Switzerland - Occupational Exposure Limits	
Local name	Naphtalène
MAK (OEL TWA) [1]	50 mg/m ³
MAK (OEL TWA) [2]	10 ppm
Critical toxicity	Sang, VRS, Yeux / Blut, OAW, Auge
Notation	R, C2 / H, C2
Remark	NIOSH, OSHA
Regulatory reference	www.suva.ch, 01.01.2021

Mixture of 2-methylisothiazolin-3-one and 5-chloro-2-methylisothiazolin-3-one (55965-84-9)

Switzerland - Occupational Exposure Limits	
Local name	2,3-Dihydro-isothiazol-3-one de 5-chloro-2-méthyle et 2,3-dihydro-isothiazol-3-one de 2-méthyle [2,3-Dihydro-isothiazol-3-one de 5-chloro-2-méthyle, 2,3-Dihydro-isothiazol-3-one de 2-méthyle] / 5-Chlor-2-methyl-2,3-dihydro-isothiazol-3-on und 2-Methyl-2,3-dihydroisothiazol-3-on [2-Methyl-2,3-dihydroisothiazol-3-on, 5-Chlor-2-methyl-2,3-dihydroisothiazol-3-on]
MAK (OEL TWA) [1]	0,2 mg/m ³ (i) / (e)
KZGW (OEL STEL)	0,4 mg/m ³ (i) / (e)
Critical toxicity	VRS, Peau, Yeux / OAW, Haut, Auge
Notation	S, SS _C / S, SS _C
Regulatory reference	www.suva.ch, 01.01.2020

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

No additional information available

8.1.5. Control banding

No additional information available

8.2. Exposure controls

8.2.1. Appropriate engineering controls

No additional information available



DAMLES DMF4 TRUCK

Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH) with its amendment
Regulation (EU) 2020/878
Issue date: 25/01/2022 Revision date: 25/01/2022 Supersedes version
of: 12/10/2021 Version: 1.0

8.2.2. Personal protection equipment

Personal protective equipment:

Avoid all unnecessary exposure.

8.2.2.1. Eye and face protection

Eye protection:

Integral goggles mounting (EN 166).

8.2.2.2. Skin protection

Hand protection:

The selection of a specific glove for a particular application and duration of use in a workplace should also take into account all relevant workplace factors such as, but not limited to: Other chemical which may be handled, physical requirements (cut/puncture protection, dexterity, thermal protection), as well as the instructions/specifications provided by the gloves supplier. Chemical resistant gloves according to EN 374. The gloves are recommended with a protection factor 6; corresponding > 480 minutes of permeation time. For example: nitrile rubber (0.4 mm), neoprene rubber (0.5 mm), polyvinyl chloride (0.7 mm).

8.2.2.3. Respiratory protection

Respiratory protection:

When workers are exposed to concentrations above the exposure limits, they must use appropriate masks. The filter class must be suitable for the maximum expected concentration of the contaminant (gas / vapor / aerosol / particle) that the product can be handled.

8.2.2.4. Thermal hazards

No additional information available

8.2.3. 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	:
Odour	: characteristic.
Odour threshold	: Not available
Melting point	: Not available
Freezing point	: Not available
Boiling point	: Not available
Flammability	: Non flammable.
Explosive limits	: Not available
Lower explosive limit (LEL)	: Not available
Upper explosive limit (UEL)	: Not available
Flash point	: Not available
Auto-ignition temperature	: Not available
Decomposition temperature	: Not available
pH	: Not available
Viscosity, kinematic	: ≈ 5,33 mm ² /s
Solubility	: Not available
Partition coefficient n-octanol/water (Log Kow)	: Not available
Vapour pressure	: Not available
Vapour pressure at 50 °C	: Not available
Density	: ≈ 0,948 kg/l
Relative density	: Not available



DAMLES DMF4 TRUCK

Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH) with its amendment
Regulation (EU) 2020/878
Issue date: 25/01/2022 Revision date: 25/01/2022 Supersedes version
of: 12/10/2021 Version: 1.0

Relative vapour density at 20 °C	: Not available
Particle size	: Not applicable
Particle size distribution	: Not applicable
Particle shape	: Not applicable
Particle aspect ratio	: Not applicable
Particle aggregation state	: Not applicable
Particle agglomeration state	: Not applicable
Particle specific surface area	: Not applicable
Particle dustiness	: Not applicable

9.2. Other information

9.2.1. Information with regard to physical hazard classes

No additional information available

9.2.2. Other safety characteristics

No additional information available

SECTION 10: Stability and reactivity

10.1. Reactivity

No additional information available

10.2. Chemical stability

Not established.

10.3. Possibility of hazardous reactions

Not established.

10.4. Conditions to avoid

Direct sunlight. Extremely high or low temperatures.

10.5. Incompatible materials

Strong acids. Strong bases.

10.6. Hazardous decomposition products

fume. Carbon monoxide. Carbon dioxide.

SECTION 11: Toxicological information

11.1. Information on hazard classes as defined in Regulation (EC) No 1272/2008

Acute toxicity (oral)	: Harmful if swallowed.
Acute toxicity (dermal)	: Harmful in contact with skin.
Acute toxicity (inhalation)	: Harmful if inhaled.

DAMLES DMF4 TRUCK

ATE CLP (oral)	762,163 mg/kg bodyweight
ATE CLP (dermal)	1369,825 mg/kg bodyweight
ATE CLP (dust,mist)	1,698 mg/l/4h

Fatty acids, vegetable-oil, Me esters (68990-52-3)

LD50 oral rat	> 5000 mg/kg Source: ECHA Chem
---------------	--------------------------------



DAMLES DMF4 TRUCK

Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH) with its amendment
Regulation (EU) 2020/878
Issue date: 25/01/2022 Revision date: 25/01/2022 Supersedes version
of: 12/10/2021 Version: 1.0

LD50 dermal rabbit	> 2000 mg/kg Source: ECHA Chem
--------------------	--------------------------------

α,α'-propylenedinitrilodi-o-cresol (94-91-7)	
LD50 oral rat	≈ 1350 mg/kg bodyweight Animal: rat, Guideline: OECD Guideline 401 (Acute Oral Toxicity), Remarks on results: other:
LD50 dermal rat	> 2000 mg/kg bodyweight Animal: rat, Guideline: OECD Guideline 402 (Acute Dermal Toxicity)

Hydrocarbons, C10, aromatics, >1% naphthalene (-)	
LD50 dermal rabbit	> 2000 mg/kg bodyweight Animal: rabbit, Guideline: OECD Guideline 402 (Acute Dermal Toxicity), Remarks on results: other:

1,2,4-trimethylbenzene (95-63-6)	
LC50 Inhalation - Rat [ppm]	2,5 ppmv/4h

Mixture of 2-methylisothiazolin-3-one and 5-chloro-2-methylisothiazolin-3-one (55965-84-9)	
LD50 oral	59 mg/kg bodyweight
LD50 dermal	> 75 mg/kg bodyweight

2-ethylhexyl nitrate (27247-96-7)	
LD50 oral rat	> 9640 mg/kg
LD50 dermal	> 4820 mg/kg
LC50 Inhalation - Rat	> 4,6 mg/l/4h

Skin corrosion/irritation	: Causes severe skin burns.
Serious eye damage/irritation	: Assumed to cause serious eye damage
Respiratory or skin sensitisation	: May cause an allergic skin reaction.
Germ cell mutagenicity	: Not classified
Carcinogenicity	: Not classified
Reproductive toxicity	: Not classified
STOT-single exposure	: Not classified

2-Ethyl-1-hexanol (104-76-7)	
STOT-single exposure	May cause respiratory irritation.

Hydrocarbons, C10, aromatics, >1% naphthalene (-)	
STOT-single exposure	May cause drowsiness or dizziness.

1,2,4-trimethylbenzene (95-63-6)	
STOT-single exposure	May cause respiratory irritation.

1,7,7-ytimethylbicyclo(2.2.1)heptan-2-one (76-22-2)	
STOT-single exposure	May cause damage to organs.



DAMLES DMF4 TRUCK

Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2020/878
 Issue date: 25/01/2022 Revision date: 25/01/2022 Supersedes version of: 12/10/2021 Version: 1.0

Solvent naphtha (petroleum), heavy arom (64742-94-5)

STOT-single exposure	May cause drowsiness or dizziness.
----------------------	------------------------------------

2-ethylhexyl nitrate (27247-96-7)

NOAEL (oral, rat)	20 – 100 mg/kg bodyweight
-------------------	---------------------------

STOT-repeated exposure : May cause damage to organs through prolonged or repeated exposure.

2,4,6-tri-tert-butylphenol (732-26-3)

STOT-repeated exposure	Causes damage to organs through prolonged or repeated exposure.
------------------------	---

Hydrocarbons, C10, aromatics, >1% naphthalene (-)

NOAEL (oral, rat, 90 days)	300 mg/kg bodyweight Animal: rat, Guideline: OECD Guideline 408 (Repeated Dose 90-Day Oral Toxicity Study in Rodents), Guideline: EPA OPP 82-1 (90-Day Oral Toxicity)
----------------------------	---

Aspiration hazard : Not classified

DAMLES DMF4 TRUCK

Viscosity, kinematic	≈ 5,33 mm ² /s
----------------------	---------------------------

11.2. Information on other hazards

11.2.1. Endocrine disrupting properties

11.2.2 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) : Very toxic to aquatic life.

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

Fatty acids, vegetable-oil, Me esters (68990-52-3)

EC50 - Crustacea [1]	< 0,13 mg/l Source: ECHA Chem
EC50 72h - Algae [1]	> 0,131 mg/l Source: ECHA Chem

α,α'-propylenedinitrildi-o-cresol (94-91-7)

LC50 - Fish [1]	≈ 46 mg/l Test organisms (species): Leuciscus idus
EC50 - Crustacea [1]	3162 mg/l Test organisms (species): Daphnia magna
EC50 72h - Algae [1]	1117 mg/l Test organisms (species): Pseudokirchneriella subcapitata (previous names: Raphidocelis subcapitata, Selenastrum capricornutum)

Mixture of 2-methylisothiazolin-3-one and 5-chloro-2-methylisothiazolin-3-one (55965-84-9)

LC50 - Fish [1]	0,19 mg/l
-----------------	-----------



DAMLES DMF4 TRUCK

Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH) with its amendment
Regulation (EU) 2020/878
Issue date: 25/01/2022 Revision date: 25/01/2022 Supersedes version
of: 12/10/2021 Version: 1.0

LC50 - Fish [2]	0,28 mg/l <i>Lepomis macrochirus</i>
EC50 - Other aquatic organisms [1]	0,126 mg/l waterflea
EC50 - Other aquatic organisms [2]	0,003 mg/l
EC50 72h - Algae [1]	0,018 mg/l <i>Selenastrum capricornutum</i>

2-ethylhexyl nitrate (27247-96-7)

LC50 - Fish [1]	≈ 1,88 mg/l
NOEC chronic fish	≈ 1,42 mg/l

12.2. Persistence and degradability

DAMLES DMF4 TRUCK

Persistence and degradability	Not established.
-------------------------------	------------------

12.3. Bioaccumulative potential

DAMLES DMF4 TRUCK

Bioaccumulative potential	Not established.
---------------------------	------------------

Fatty acids, vegetable-oil, Me esters (68990-52-3)

Partition coefficient n-octanol/water (Log Pow)	> 6,2 Source: ECHA Chem
---	-------------------------

Mixture of 2-methylisothiazolin-3-one and 5-chloro-2-methylisothiazolin-3-one (55965-84-9)

Partition coefficient n-octanol/water (Log Pow)	0,4
---	-----

2-ethylhexyl nitrate (27247-96-7)

BCF - Fish [1]	< 2000 mg/kg
Partition coefficient n-octanol/water (Log Kow)	≈ 3623

12.4. Mobility in soil

Fatty acids, vegetable-oil, Me esters (68990-52-3)

Mobility in soil	501 Source: ECHA Chem
------------------	-----------------------

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

Additional information : Avoid release to the environment.

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Product/Packaging disposal recommendations : Dispose in a safe manner in accordance with local/national regulations.
Ecology - waste materials : Avoid release to the environment.

SECTION 14: Transport information

In accordance with ADR / IMDG / IATA

14.1. UN number or ID number

UN-No. (ADR) : UN 1760
 UN-No. (IMDG) : UN 1760
 UN-No. (IATA) : UN 1760

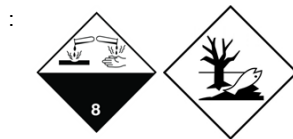
14.2. UN proper shipping name

Proper Shipping Name (ADR) : CORROSIVE LIQUID, N.O.S. (Mixture of 2-methylisothiazolin-3-one and 5-chloro-2-methylisothiazolin-3-one ; 2-ethylhexyl nitrate)
 Proper Shipping Name (IMDG) : CORROSIVE LIQUID, N.O.S.
 Proper Shipping Name (IATA) : Corrosive liquid, n.o.s.

14.3. Transport hazard class(es)

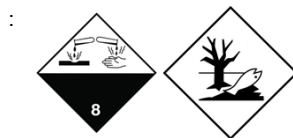
ADR

Transport hazard class(es) (ADR) : 8
 Danger labels (ADR) : 8



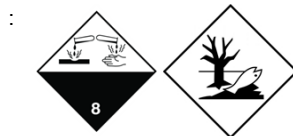
IMDG

Transport hazard class(es) (IMDG) : 8
 Danger labels (IMDG) : 8



IATA

Transport hazard class(es) (IATA) : 8
 Danger labels (IATA) : 8



14.4. Packing group

Packing group (ADR) : III
 Packing group (IMDG) : III
 Packing group (IATA) : III

14.5. Environmental hazards

Dangerous for the environment : Yes
 Marine pollutant : Yes
 Other information : No supplementary information available



DAMLES DMF4 TRUCK

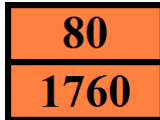
Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH) with its amendment
Regulation (EU) 2020/878
Issue date: 25/01/2022 Revision date: 25/01/2022 Supersedes version
of: 12/10/2021 Version: 1.0

14.6. Special precautions for user

Overland transport

Classification code (ADR)	: C9
Special provisions (ADR)	: 274
Limited quantities (ADR)	: 5I
Excepted quantities (ADR)	: E1
Packing instructions (ADR)	: P001, IBC03, LP01, R001
Mixed packing provisions (ADR)	: MP19
Portable tank and bulk container instructions (ADR)	: T7
Portable tank and bulk container special provisions (ADR)	: TP1, TP28
Tank code (ADR)	: L4BN
Vehicle for tank carriage	: AT
Transport category (ADR)	: 3
Special provisions for carriage - Packages (ADR)	: V12
Hazard identification number (Kemler No.)	: 80
Orange plates	:



Tunnel restriction code (ADR)	: E
EAC code	: 2X

Transport by sea

Special provisions (IMDG)	: 223, 274
Limited quantities (IMDG)	: 5 L
Excepted quantities (IMDG)	: E1
Packing instructions (IMDG)	: P001, LP01
IBC packing instructions (IMDG)	: IBC03
Tank instructions (IMDG)	: T7
Tank special provisions (IMDG)	: TP1, TP28
EmS-No. (Fire)	: F-A
EmS-No. (Spillage)	: S-B
Stowage category (IMDG)	: A
Stowage and handling (IMDG)	: SW2
Properties and observations (IMDG)	: Causes burns to skin, eyes and mucous membranes.

Air transport

PCA Excepted quantities (IATA)	: E1
PCA Limited quantities (IATA)	: Y841
PCA limited quantity max net quantity (IATA)	: 1L
PCA packing instructions (IATA)	: 852
PCA max net quantity (IATA)	: 5L
CAO packing instructions (IATA)	: 856
CAO max net quantity (IATA)	: 60L
Special provisions (IATA)	: A3, A803
ERG code (IATA)	: 8L

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

Contains no REACH substances with Annex XVII restrictions
Contains no substance on the REACH candidate list
Contains no REACH Annex XIV substances



DAMLES DMF4 TRUCK

Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2020/878
 Issue date: 25/01/2022 Revision date: 25/01/2022 Supersedes version of: 12/10/2021 Version: 1.0

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

Ensure all national/local regulations are observed.

Germany

Employment restrictions : Observe restrictions according Act on the Protection of Working Mothers (MuSchG)
 Observe restrictions according Act on the Protection of Young People in Employment (JArbSchG)

Water hazard class (WGK) : WGK 3, Highly 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 : 1,2-dihydroxybenzene; pyrocatechol, Solvent naphtha (petroleum), heavy arom are listed

SZW-lijst van mutagene stoffen : Solvent naphtha (petroleum), heavy arom 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
 Pregnant/breastfeeding women working with the product must not be in direct contact with the product

Switzerland

Storage class (LK) : LK 6.1 - Toxic materials

15.2. Chemical safety assessment

No chemical safety assessment has been carried out

SECTION 16: Other information

Indication of changes:			
Section	Changed item	Change	Comments
3	Composition/information on ingredients	Modified	

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. Regulation (EC) No 1907/2006 of the European Parliament and of the Council of 18 December 2006.

Training advice : workers must have risk-specific training.

Other information : None.

Full text of H- and EUH-statements:	
Acute Tox. 2 (Dermal)	Acute toxicity (dermal), Category 2
Acute Tox. 2 (Inhalation)	Acute toxicity (inhal.), Category 2
Acute Tox. 3 (Oral)	Acute toxicity (oral), Category 3
Acute Tox. 4 (Dermal)	Acute toxicity (dermal), Category 4
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



DAMLES DMF4 TRUCK

Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2020/878
 Issue date: 25/01/2022 Revision date: 25/01/2022 Supersedes version of: 12/10/2021 Version: 1.0

Aquatic Acute 1	Hazardous to the aquatic environment — Acute Hazard, Category 1
Aquatic Chronic 1	Hazardous to the aquatic environment — Chronic Hazard, Category 1
Aquatic Chronic 2	Hazardous to the aquatic environment — Chronic Hazard, Category 2
Asp. Tox. 1	Aspiration hazard, Category 1
Carc. 2	Carcinogenicity, Category 2
Eye Dam. 1	Serious eye damage/eye irritation, Category 1
Eye Irrit. 2	Serious eye damage/eye irritation, Category 2
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
Skin Sens. 1A	Skin sensitisation, category 1A
STOT RE 1	Specific target organ toxicity — Repeated exposure, Category 1
STOT RE 2	Specific target organ toxicity — Repeated exposure, Category 2
STOT SE 3	Specific target organ toxicity — Single exposure, Category 3, Respiratory tract irritation
STOT SE 3	Specific target organ toxicity — Single exposure, Category 3, Narcosis
H301	Toxic if swallowed.
H302	Harmful if swallowed.
H304	May be fatal if swallowed and enters airways.
H310	Fatal in contact with skin.
H312	Harmful in contact with skin.
H314	Causes severe skin burns and eye damage.
H315	Causes skin irritation.
H317	May cause an allergic skin reaction.
H318	Causes serious eye damage.
H319	Causes serious eye irritation.
H330	Fatal if inhaled.
H332	Harmful if inhaled.
H335	May cause respiratory irritation.
H336	May cause drowsiness or dizziness.
H351	Suspected of causing cancer.
H372	Causes damage to organs through prolonged or repeated exposure.
H373	May cause damage to organs through prolonged or repeated exposure.
H400	Very toxic to aquatic life.
H410	Very toxic to aquatic life with long lasting effects.
H411	Toxic to aquatic life with long lasting effects.

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

Acute Tox. 4 (Oral)	H302	Calculation method
Acute Tox. 4 (Dermal)	H312	Calculation method



DAMLES DMF4 TRUCK

Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH) with its amendment
Regulation (EU) 2020/878
Issue date: 25/01/2022 Revision date: 25/01/2022 Supersedes version
of: 12/10/2021 Version: 1.0

Acute Tox. 4 (Inhalation:dust,mist)	H332	Calculation method
Skin Corr. 1C	H314	Calculation method
Skin Sens. 1	H317	Calculation method
STOT RE 2	H373	Calculation method
Aquatic Acute 1	H400	Calculation method
Aquatic Chronic 1	H410	Calculation method

The information in this document is based on our best current knowledge. No part of its contents should be considered as a warranty, express or implied, to specific properties and / or product use conditions. In all cases, it is the responsibility of users matching the recommendations and determining the suitability of any product for a particular application or use. For this and other reasons, we assume no liability for loss, damage or expense caused by matters relating to the handling, storage, use or disposal of product.