Petrol System Treatment

Safety Data Sheet

according to the REACH Regulation (EC) 1907/2006 amended by Regulation (EU) 2020/878
Issue date: 21/03/2024 Revision date: 28/06/2018 Version: 6.00

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

1.1. Product identifier

Product form : Mixture
Product name : Petrol System Treatment
Product code : W70701
Product group : Trade product

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

1.2.1. Relevant identified uses

Use of the substance/mixture : Petrol additive.
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

Supplier
ITW ADDITIVES INTL B.V.
Industriepark-West 46
9100 Sint-Niklaas
BELGIUM
T +32 3 766 60 20, F +32 3 778 16 56
msds@wynns.eu, www.wynns.com

Distributor
Wynn's Automotive France S.A.S.
2 Av. Léonard de Vinci
Z.A. Europarc
33600 PESSAC Cedex
FRANCE
T +33 5 57 26 29 00
contact@wynns.fr, www.wynns.fr

Distributor
ITW Automotive Aftermarket
Saxon House,
2-4 Victoria Street
SL4 1EN Windsor
UNITED KINGDOM
T +44 (0)24 7647 2634
sales@wynns.uk.com, www.wynns.uk.com

Distributor
Krafft S.L.U.
Carretera de Urnieta, s/n
20140 Andoain - Guipúzcoa
ESPAÑA
T +34 943 410 400, F +34 943 410 440
msds@krafft.es, www.krafft.es

1.4. Emergency telephone number

Emergency number : BIG: +32(0)14 58 45 45 (NL FR EN DE)

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
Specific target organ toxicity – Repeated exposure, Category 2	H373
Aspiration hazard, Category 1	H304
Hazardous to the aquatic environment – Chronic Hazard, Category 3	H412

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) :

GHS07 GHS08

Signal word (CLP) : Danger

Contains : C8-C26 branched and linear hydrocarbons – Distillates; hydrocarbons, C10-C13, n-alkanes, isoalkanes, cyclics, aromatics (2-25%); Methylcyclopentadienyl manganese tricarbonyl

Hazard statements (CLP) : H304 - May be fatal if swallowed and enters airways.
H332 - Harmful if inhaled.
H373 - May cause damage to organs (central nervous system) through prolonged or repeated exposure.
H412 - Harmful to aquatic life with long lasting effects.

Precautionary statements (CLP) : P102 - Keep out of reach of children.
P405 - Store locked up.
P260 - Do not breathe vapours.
P271 - Use only outdoors or in a well-ventilated area.
P301+P310 - IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician.
P331 - Do NOT induce vomiting.
P273 - Avoid release to the environment.

EUH-statements : EUH066 - Repeated exposure may cause skin dryness or cracking.

2.3. Other hazards

Contains no PBT and/or vPvB substances ≥ 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	hydrocarbons, C10-C13, n-alkanes, isoalkanes, cyclics, aromatics (2-25%)
Substance(s) not meeting the vPvB criteria of REACH regulation, in accordance with Annex XIII	hydrocarbons, C10-C13, n-alkanes, isoalkanes, cyclics, aromatics (2-25%)

The mixture does not contain substance(s) included in the list established in accordance with Article 59(1) of REACH for having endocrine disrupting properties, or substance(s) are not identified as having endocrine disrupting properties in accordance with the criteria set out in Commission Delegated Regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at a concentration equal to or greater than 0,1 %

SECTION 3: Composition/information on ingredients

3.1. Substances

Not applicable

3.2. Mixtures

Name	Product identifier	%	Classification according to Regulation (EC) No. 1272/2008 [CLP]
C8-C26 branched and linear hydrocarbons – Distillates	CAS-No.: 848301-67-7 EC-No.: 481-740-5 REACH-no: 01-0000020119-75	≥ 50	Asp. Tox. 1, H304 EUH066

Name	Product identifier	%	Classification according to Regulation (EC) No. 1272/2008 [CLP]
Methylcyclopentadienyl manganese tricarbonyl substance with a Community workplace exposure limit	CAS-No.: 12108-13-3 EC-No.: 235-166-5 REACH-no: 01-2119495971-23	< 3	Acute Tox. 3 (Oral), H301 (ATE=51,8 mg/kg bodyweight) Acute Tox. 2 (Dermal), H310 (ATE=140 mg/kg bodyweight) Acute Tox. 2 (Inhalation:dust,mist), H330 (ATE=0,076 mg/l/4h) Aquatic Acute 1, H400 (M=1) Aquatic Chronic 1, H410
1-Propene, 2-methyl-, homopolymer, hydroformylation products, reaction products with ammonia	CAS-No.: 337367-30-3	2,5 – 5	Skin Irrit. 2, H315 Aquatic Chronic 3, H412
hydrocarbons, C10-C13, n-alkanes, isoalkanes, cyclics, aromatics (2-25%)	EC-No.: 919-164-8 REACH-no: 01-2119473977-17	1 – 2,5	STOT RE 1, H372 Asp. Tox. 1, H304 Aquatic Chronic 3, H412 EUH066
hydrocarbons, C10-C13, n-alkanes, <2% aromatics	CAS-No.: 129813-66-7 EC-No.: 929-018-5 REACH-no: 01-2119475608-26	1 – 2,5	Asp. Tox. 1, H304 EUH066
Kerosine (petroleum), hydrodesulfurized	CAS-No.: 64742-81-0 EC-No.: 265-184-9 EC Index-No.: 649-423-00-8 REACH-no: 01-2119462828-25	1 – 2,5	Skin Irrit. 2, H315 STOT SE 3, H336 Asp. Tox. 1, H304 Aquatic Chronic 2, H411
Naphthalene 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	0,02 – 0,1	Acute Tox. 4 (Oral), H302 (ATE=500 mg/kg bodyweight) Carc. 2, H351 Aquatic Acute 1, H400 (M=1) Aquatic Chronic 1, H410 (M=1)
1,2,4-trimethylbenzene substance with a Community workplace exposure limit	CAS-No.: 95-63-6 EC-No.: 202-436-9 EC Index-No.: 601-043-00-3 REACH-no: 01-2119472135-42	0,02 – 0,1	Flam. Liq. 3, H226 Acute Tox. 4 (Inhalation:dust,mist), H332 (ATE=4,69 mg/l/4h) Skin Irrit. 2, H315 Eye Irrit. 2, H319 STOT SE 3, H335 Aquatic Chronic 2, H411

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 : Check the vital functions. Keep victim at rest in half upright position. Unconscious: maintain adequate airway and respiration. Respiratory arrest: artificial respiration or oxygen. Cardiac arrest: perform resuscitation. Victim in shock: on his back with legs slightly raised. Vomiting: prevent asphyxia/aspiration pneumonia. Keep watching the victim. Give psychological aid. Prevent cooling by covering the victim (no warming up). Keep the victim calm, avoid physical strain. If necessary seek medical advice.

First-aid measures after inhalation : If breathing is difficult, remove victim to fresh air and keep at rest in a position comfortable for breathing. Immediately call a POISON CENTER/doctor.

First-aid measures after skin contact : After contact with skin, take off immediately all contaminated clothing, and wash immediately with plenty of water and soap. If skin irritation or rash occurs: Get medical advice/attention.

First-aid measures after eye contact : IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention.

First-aid measures after ingestion : Rinse mouth. Do NOT induce vomiting. Immediately call a POISON CENTER/doctor.

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

Symptoms/effects after inhalation : Harmful if inhaled.

Symptoms/effects after skin contact : Repeated exposure may cause skin dryness or cracking.

Symptoms/effects after ingestion : Abdominal pain. Headache. Risk of aspiration pneumonia. May be fatal if swallowed and enters airways.

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

No additional information available

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media : Water spray. AFFF foam. ABC-powder.

5.2. Special hazards arising from the substance or mixture

Fire hazard : Combustible liquid. Take precautionary measures against static discharges. The vapours are denser than air and may travel along the ground. Distance ignition possible.

Explosion hazard : Product is not explosive.

5.3. Advice for firefighters

Firefighting instructions : Prevent fire fighting water from entering the environment.

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 : Use special care to avoid static electric charges. No open flames, no sparks, and no smoking.

6.1.1. For non-emergency personnel

Protective equipment : Wear suitable gloves and eye/face protection. protective clothing.

Emergency procedures : Mark the danger area. Ventilate spillage area. Prevent flow to low areas. In confined space use self-contained breathing apparatus. If on skin, take off contaminated clothing.

6.1.2. For emergency responders

Protective equipment : Equip cleanup crew with proper protection.

6.2. Environmental precautions

Prevent entry to sewers and public waters. Avoid release to the environment.

6.3. Methods and material for containment and cleaning up

For containment : Collect spillage. Contain leaking substance, pump over in suitable containers.

Methods for cleaning up : Small quantities of liquid spill: take up in non-combustible absorbent material and shovel into container for disposal. Clean preferably with a detergent - Avoid the use of solvents.

6.4. Reference to other sections

For further information refer to section 8: "Exposure controls/personal protection".

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Precautions for safe handling	:	Presents no particular risk when handled in accordance with good occupational hygiene practice. Repeated exposure may cause skin dryness or cracking. Meet the legal requirements.
Hygiene measures	:	Use good personal hygiene practices. Wash contaminated clothing before reuse. IF ON SKIN: Gently wash with plenty of soap and water.

7.2. Conditions for safe storage, including any incompatibilities

Technical measures	:	Does not require any specific or particular technical measures. Provide good ventilation in process area to prevent formation of vapour.
Storage conditions	:	Meet the legal requirements. Keep container tightly closed. Protect from sunlight. Store in a well-ventilated place.
Storage temperature	:	< 45 °C
Storage area	:	Meet the legal requirements. Ventilation along the floor. Protect from heat and direct sunlight.
Special rules on packaging	:	Meet the legal requirements. Store in a closed container. Labelling according to.

7.3. Specific end use(s)

Read label before use. Observe the label precautions. See product bulletin for detailed information.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

8.1.1 National occupational exposure and biological limit values

hydrocarbons, C10-C13, n-alkanes, isoalkanes, cyclics, aromatics (2-25%)	
Belgium - Occupational Exposure Limits	
OEL TWA	533 mg/m³
	100 ppm
USA - ACGIH - Occupational Exposure Limits	
ACGIH OEL TWA	100 ppm

Methylcyclopentadienyl manganese tricarbonyl (12108-13-3)	
EU - Indicative Occupational Exposure Limit (IOEL)	
IOEL TWA	0,2 mg/m³
Belgium - Occupational Exposure Limits	
OEL TWA	0,2 mg/m³
Remark	D
France - Occupational Exposure Limits	
VME (OEL TWA)	0,2 mg/m³ (Mn)
USA - ACGIH - Occupational Exposure Limits	
ACGIH OEL TWA	0,2 mg/m³

Naphthalene (91-20-3)	
EU - Indicative Occupational Exposure Limit (IOEL)	
IOEL TWA	50 mg/m³
	10 ppm

Naphthalene (91-20-3)	
Belgium - Occupational Exposure Limits	
OEL TWA	53 mg/m³
	10 ppm
OEL STEL	80 mg/m³
	15 ppm
Remark	D
Hungary - Occupational Exposure Limits	
AK (OEL TWA)	50 mg/m³

1,2,4-trimethylbenzene (95-63-6)	
EU - Indicative Occupational Exposure Limit (IOEL)	
IOEL TWA	100 mg/m³
	20 ppm

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

C8-C26 branched and linear hydrocarbons – Distillates (848301-67-7)	
PNEC (Sediment)	
PNEC sediment (freshwater)	2,06 mg/kg dwt
PNEC (Soil)	
PNEC soil	1,68 mg/kg dwt
PNEC (STP)	
PNEC sewage treatment plant	10 mg/l

Hydrocarbons, C10, aromatics, <1% naphthalene (1189173-42-9)	
DNEL/DMEL (Workers)	
Long-term - systemic effects, dermal	12,5 mg/kg bodyweight/day
Long-term - systemic effects, inhalation	151 mg/m³
DNEL/DMEL (General population)	
Long-term - systemic effects,oral	7,5 mg/kg bodyweight/day
Long-term - systemic effects, inhalation	32 mg/m³
Long-term - systemic effects, dermal	7,5 mg/kg bodyweight/day

Naphthalene (91-20-3)	
DNEL/DMEL (Workers)	
Long-term - systemic effects, dermal	3,57 mg/kg bodyweight/day
Long-term - systemic effects, inhalation	25 mg/m³
Long-term - local effects, inhalation	25 mg/m³

Naphthalene (91-20-3)	
PNEC (STP)	
PNEC sewage treatment plant	2,9 mg/l

1,2,4-trimethylbenzene (95-63-6)	
DNEL/DMEL (Workers)	
Acute - systemic effects, dermal	16171 mg/kg bodyweight/day
Acute - systemic effects, inhalation	100 mg/m³
Acute - local effects, inhalation	100 mg/m³
Long-term - systemic effects, inhalation	100 mg/m³
Long-term - local effects, inhalation	100 mg/m³
DNEL/DMEL (General population)	
Acute - systemic effects, inhalation	29,4 mg/m³
Acute - local effects, inhalation	29,4 mg/m³
Long-term - systemic effects,oral	15 mg/kg bodyweight/day
Long-term - systemic effects, inhalation	29,4 mg/m³
Long-term - systemic effects, dermal	9512 mg/kg bodyweight/day
Long-term - local effects, inhalation	29,4 mg/m³
PNEC (Water)	
PNEC aqua (freshwater)	0,12 mg/l
PNEC aqua (marine water)	0,12 mg/l
PNEC aqua (intermittent, freshwater)	0,12 mg/l
PNEC (Sediment)	
PNEC sediment (freshwater)	13,56 mg/kg dwt
PNEC sediment (marine water)	13,56 mg/kg dwt
PNEC (Soil)	
PNEC soil	2,34 mg/kg dwt
PNEC (STP)	
PNEC sewage treatment plant	2,41 mg/l

8.1.5. Control banding

No additional information available

8.2. Exposure controls

8.2.1. Appropriate engineering controls

Appropriate engineering controls:
Emergency eye wash fountains and safety showers should be available in the immediate vicinity of any potential exposure. Provide good ventilation in process area to prevent formation of vapour. Does not require any specific or particular technical measures.

8.2.2. Personal protection equipment

Personal protective equipment:
Gloves. Safety glasses.

Personal protective equipment symbol(s):

8.2.2.1. Eye and face protection

No additional information available

8.2.2.2. Skin protection

Hand protection:
Neoprene. Nitrile rubber. Choosing the proper glove is a decision that depends not only on the type of material, but also on other quality features, which differ for each manufacturer. Time of penetration is to be checked with the glove producer

8.2.2.3. Respiratory protection

No additional information available

8.2.2.4. Thermal hazards

No additional information available

8.2.3. Environmental exposure controls

Other information:
Breakthrough time : >30'. Thickness of the glove material >0,1 mm.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state	:	Liquid
Colour	:	Yellow.
Appearance	:	clear.
Odour	:	petroleum-like odour.
Odour threshold	:	Not available
Melting point	:	Not available
Freezing point	:	Not available
Boiling point	:	Not available
Flammability	:	Not available
Lower explosion limit	:	Not available
Upper explosion limit	:	Not available
Flash point	:	72 °C (ASTM D93)
Auto-ignition temperature	:	Not available
Decomposition temperature	:	Not available
pH	:	Not available
Viscosity, kinematic	:	3 mm²/s @ 40°C (ASTM D445)
Solubility	:	insoluble in water.
Partition coefficient n-octanol/water (Log Kow)	:	Not available
Vapour pressure	:	Not available
Vapour pressure at 50°C	:	Not available
Density	:	789 kg/m³ @ 20°C (ASTM D4052)
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

No additional information available

9.2.2. Other safety characteristics

VOC content	:	93,41 %
Additional information	:	The physical and chemical data in this section are typical values for this product and are not intended as product specifications.

SECTION 10: Stability and reactivity

10.1. Reactivity

No additional information available

10.2. Chemical stability

Protect from light. Stable under normal conditions.

10.3. Possibility of hazardous reactions

No additional information available

10.4. Conditions to avoid

Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Keep away from strong acids and strong oxidizers.

10.5. Incompatible materials

No additional information available

10.6. Hazardous decomposition products

On burning: release of harmful/irritant gases/vapours. Carbon monoxide. Carbon dioxide. Metal oxides.

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.

Petrol System Treatment	
ATE CLP (dust,mist)	4,903 mg/l/4h

C8-C26 branched and linear hydrocarbons – Distillates (848301-67-7)	
LD50 oral rat	> 5000 mg/kg bodyweight Sprague-Dawley
LD50 dermal rat	> 2000 mg/kg bodyweight Sprague-Dawley
LC50 Inhalation - Rat (Vapours)	> 5 mg/l/4h

hydrocarbons, C10-C13, n-alkanes, isoalkanes, cyclics, aromatics (2-25%)	
LD50 oral rat	> 15000 mg/kg
LD50 dermal rabbit	> 3400 mg/kg
LC50 Inhalation - Rat	> 13,1 ml/m³

Methylcyclopentadienyl manganese tricarbonyl (12108-13-3)	
LD50 oral rat	51,8 mg/kg
LD50 dermal rabbit	140 mg/kg
LC50 Inhalation - Rat	0,076 mg/l/4h

Naphthalene (91-20-3)	
LD50 oral rat	> 2000 mg/kg bodyweight Sprague-Dawley
LD50 dermal rat	> 2500 mg/kg bodyweight Sherman

1,2,4-trimethylbenzene (95-63-6)	
LD50 oral rat	6000 mg/kg bodyweight
LD50 dermal rat	> 3440 mg/kg bodyweight CD (COBS)
LC50 Inhalation - Rat	4,69 mg/l/4h Wistar

Kerosine (petroleum), hydrodesulfurized (64742-81-0)	
LC50 Inhalation - Rat	> mg/l

Skin corrosion/irritation : Not classified
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

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

Kerosine (petroleum), hydrodesulfurized (64742-81-0)	
STOT-single exposure	May cause drowsiness or dizziness.

STOT-repeated exposure : May cause damage to organs (central nervous system) through prolonged or repeated exposure.

hydrocarbons, C10-C13, n-alkanes, isoalkanes, cyclics, aromatics (2-25%)	
STOT-repeated exposure	Causes damage to organs (central nervous system) through prolonged or repeated exposure.

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

Petrol System Treatment	
Viscosity, kinematic	3 mm²/s @ 40°C (ASTM D445)

C8-C26 branched and linear hydrocarbons – Distillates (848301-67-7)	
Viscosity, kinematic	2 – 4,5 mm²/s

hydrocarbons, C10-C13, n-alkanes, isoalkanes, cyclics, aromatics (2-25%)	
Viscosity, kinematic	< 2 mm²/s
Aliphatic, alicyclic or aromatic hydrocarbon	Yes

hydrocarbons, C10-C13, n-alkanes, <2% aromatics (129813-66-7)	
Aliphatic, alicyclic or aromatic hydrocarbon	Yes

Kerosine (petroleum), hydrodesulfurized (64742-81-0)	
Viscosity, kinematic	1 – 2,4 mm²/s
Aliphatic, alicyclic or aromatic hydrocarbon	Yes

11.2. Information on other hazards

No additional information available

SECTION 12: Ecological information

12.1. Toxicity

Ecology - general : This product contains hazardous components for the aquatic environment.

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) : Harmful to aquatic life with long lasting effects.

C8-C26 branched and linear hydrocarbons – Distillates (848301-67-7)	
LC50 - Fish [1]	> 1000 mg/l @96h Pimephales promelas
EC50 - Crustacea [1]	> 1000 mg/l @48h Daphnia magna
EC50 - Other aquatic organisms [1]	> 1000 mg/l @72h Pseudokirchneriella subcapitata
NOEC (acute)	> 1000 mg/l @48h Daphnia magna

Methylcyclopentadienyl manganese tricarbonyl (12108-13-3)	
LC50 - Fish [1]	0,21 mg/l 96h

Naphthalene (91-20-3)	
LC50 - Fish [1]	96h 1,6 mg/l Oncorhynchus mykiss
EC50 - Crustacea [1]	48h 2,16 mg/l Daphnia magna

1,2,4-trimethylbenzene (95-63-6)	
LC50 - Fish [1]	96h 7,72 mg/l Pimephales promelas
EC50 - Crustacea [1]	48h 3,6 mg/l Daphnia magna

12.2. Persistence and degradability

Petrol System Treatment	
Persistence and degradability	Rapidly degradable

C8-C26 branched and linear hydrocarbons – Distillates (848301-67-7)	
Persistence and degradability	Readily biodegradable.

1-Propene, 2-methyl-, homopolymer, hydroformylation products, reaction products with ammonia (337367-30-3)	
Persistence and degradability	Rapidly degradable

hydrocarbons, C10-C13, n-alkanes, isoalkanes, cyclics, aromatics (2-25%)	
Persistence and degradability	Rapidly degradable

Methylcyclopentadienyl manganese tricarbonyl (12108-13-3)	
Persistence and degradability	Biodegradability in water: no data available.

hydrocarbons, C10-C13, n-alkanes, <2% aromatics (129813-66-7)	
Persistence and degradability	Rapidly degradable

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

1,2,4-trimethylbenzene (95-63-6)	
Persistence and degradability	Readily biodegradable.

Kerosine (petroleum), hydrodesulfurized (64742-81-0)	
Persistence and degradability	Rapidly degradable

12.3. Bioaccumulative potential

C8-C26 branched and linear hydrocarbons – Distillates (848301-67-7)	
Partition coefficient n-octanol/water (Log Pow)	> 6,5 @40°C

Methylcyclopentadienyl manganese tricarbonyl (12108-13-3)	
Bioaccumulative potential	No bioaccumulation data available.

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	hydrocarbons, C10-C13, n-alkanes, isoalkanes, cyclics, aromatics (2-25%)
Substance(s) not meeting the vPvB criteria of REACH regulation, in accordance with Annex XIII	hydrocarbons, C10-C13, n-alkanes, isoalkanes, cyclics, aromatics (2-25%)

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

Product/Packaging disposal recommendations : Dispose in a safe manner in accordance with local/national regulations. Remove to an authorized waste treatment plant. Avoid release to the environment.

European List of Waste (LoW, EC 2000/532) : 14 06 03* - other solvents and solvent mixtures
15 01 10* - packaging containing residues of or contaminated by dangerous substances

SECTION 14: Transport information

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

ADR	IMDG	IATA	ADN	RID
14.1. UN number or ID number				
Not applicable	Not applicable	Not applicable	Not applicable	Not applicable
14.2. UN proper shipping name				
Not applicable	Not applicable	Not applicable	Not applicable	Not applicable
14.3. Transport hazard class(es)				
Not applicable	Not applicable	Not applicable	Not applicable	Not applicable
14.4. Packing group				
Not applicable	Not applicable	Not applicable	Not applicable	Not applicable
14.5. Environmental hazards				
Not applicable	Not applicable	Not applicable	Not applicable	Not applicable
No supplementary information available				

14.6. Special precautions for user

Overland transport
Not applicable

Transport by sea
Not applicable

Air transport
Not applicable

Inland waterway transport
Not applicable

Rail transport
Not applicable

14.7. Maritime transport in bulk according to IMO instruments

Not applicable

SECTION 15: Regulatory information

15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

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)

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.

VOC Directive (2004/42)

VOC content : 93,41 %

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 84	Conditions caused by liquid organic solvents for professional use: saturated or unsaturated aliphatic or cyclic liquid hydrocarbons and mixtures thereof; liquid halogenated hydrocarbons; nitrated derivatives of aliphatic hydrocarbons; alcohols; glycols, glycol ethers; ketones; aldehydes; aliphatic and cyclic ethers, including tetrahydrofuran; esters; dimethylformamide and dimethylacetamine; acetonitrile and propionitrile; pyridine; dimethylsulfone and dimethylsulfoxide

Germany

Water hazard class (WGK) : WGK 3, Highly hazardous to water (Classification according to AwSV, Annex 1).
Hazardous Incident Ordinance (12. BImSchV) : Is not subject to the Hazardous Incident Ordinance (12. BImSchV)

Netherlands

SZW-lijst van kankerverwekkende stoffen : Kerosine (petroleum), hydrodesulfurized is listed
SZW-lijst van mutagene stoffen : Kerosine (petroleum), hydrodesulfurized 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

Class for fire hazard : Class III-1
Store unit : 50 liter
Classification remarks : Flammable according to the Danish Ministry of Justice; Emergency management guidelines for the storage of flammable liquids must be followed
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

15.2. Chemical safety assessment

No additional information available

SECTION 16: Other information

Full text of H- and EUH-statements:	
Acute Tox. 2 (Dermal)	Acute toxicity (dermal), Category 2
Acute Tox. 2 (Inhalation:dust,mist)	Acute toxicity (inhalation:dust,mist) Category 2
Acute Tox. 3 (Oral)	Acute toxicity (oral), Category 3
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
Aquatic Chronic 2	Hazardous to the aquatic environment – Chronic Hazard, Category 2
Aquatic Chronic 3	Hazardous to the aquatic environment – Chronic Hazard, Category 3
Asp. Tox. 1	Aspiration hazard, Category 1
Carc. 2	Carcinogenicity, Category 2
EUH066	Repeated exposure may cause skin dryness or cracking.

Full text of H- and EUH-statements:	
Eye Irrit. 2	Serious eye damage/eye irritation, Category 2
Flam. Liq. 3	Flammable liquids, Category 3
H226	Flammable liquid and vapour.
H301	Toxic if swallowed.
H302	Harmful if swallowed.
H304	May be fatal if swallowed and enters airways.
H310	Fatal in contact with skin.
H315	Causes skin irritation.
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.
H412	Harmful to aquatic life with long lasting effects.
Skin Irrit. 2	Skin corrosion/irritation, Category 2
STOT RE 1	Specific target organ toxicity – Repeated exposure, Category 1
STOT SE 3	Specific target organ toxicity – Single exposure, Category 3, Respiratory tract irritation

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.