



Fuel Stabiliser

Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2015/830

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Blend Version: 1

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

1.1. Product identifier

Product form : Mixture
Product name : Fuel Stabiliser
Product code : ZAW308

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 : Fuel Additive

1.2.2. Uses advised against

No additional information available

1.3. Details of the supplier of the safety data sheet

Wynn Oil SA PTY (Ltd)
22 Mopedi Road
1609 Johannesburg - South Africa
T +27 11 6093708
info@wynns.co.za - www.wynns.co.za

1.4. Emergency telephone number

Emergency number : +27 11 6093708

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

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

Flam. Liq. 3	H226
Skin Irrit. 2	H315
Repr. 2	H361d
STOT SE 3	H336
Asp. Tox. 1	H304
Aquatic Chronic 2	H411

Full text of hazard classes and 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) :



Signal word (CLP) : Danger

Hazardous ingredients : Naphtha (petroleum), hydrodesulfurized heavy; Kerosine (petroleum); Toluene

Hazard statements (CLP) : H226 - Flammable liquid and vapour
H304 - May be fatal if swallowed and enters airways
H315 - Causes skin irritation
H336 - May cause drowsiness or dizziness
H361d - Suspected of damaging the unborn child
H411 - Toxic to aquatic life with long lasting effects

EUH-statements : EUH208 - Contains Reaction mass of 2-tert-butyl-4,6-dimethylphenol and 4-tert-butyl-2,5-dimethylphenol. May produce an allergic reaction

Precautionary statements (CLP) : P102 - Keep out of reach of children
P405 - Store locked up
P210 - Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking
P260 - Do not breathe vapours

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P280 - Wear protective gloves
P273 - Avoid release to the environment

2.3. Other hazards

No additional information available

SECTION 3: Composition/information on ingredients

3.1. Substance

Not applicable

3.2. Mixture

Name	Product identifier	% w	Classification according to Regulation (EC) No. 1272/2008 [CLP]
Naphtha (petroleum), hydrodesulfurized heavy	(CAS No) 64742-82-1 (EC no) 265-185-4 (EC index no) 649-330-00-2	50 - 75	Flam. Liq. 3, H226 Asp. Tox. 1, H304 Aquatic Chronic 2, H411
Kerosine (petroleum)	(CAS No) 8008-20-6 (EC no) 232-366-4 (EC index no) 649-404-00-4 (REACH-no) 01-2119485517-27	10 - 25	Flam. Liq. 3, H226 Skin Irrit. 2, H315 STOT SE 3, H336 Asp. Tox. 1, H304 Aquatic Chronic 2, H411
n-heptane	(CAS No) 142-82-5 (EC no) 205-563-8 (EC index no) 601-008-00-2 (REACH-no) 01-2119457603-38	2,5 - 5	Flam. Liq. 2, H225 Skin Irrit. 2, H315 STOT SE 3, H336 Asp. Tox. 1, H304 Aquatic Acute 1, H400 Aquatic Chronic 1, H410
Octane; n-octane	(CAS No) 111-65-9 (EC no) 203-892-1 (EC index no) 601-009-00-8 (REACH-no) 01-2119463939-19	2,5 - 5	Flam. Liq. 2, H225 Skin Irrit. 2, H315 STOT SE 3, H336 Asp. Tox. 1, H304 Aquatic Acute 1, H400 Aquatic Chronic 1, H410
Methylcyclohexane	(CAS No) 108-87-2 (EC no) 203-624-3 (EC index no) 601-018-00-7	2,5 - 5	Flam. Liq. 2, H225 Skin Irrit. 2, H315 STOT SE 3, H336 Asp. Tox. 1, H304 Aquatic Chronic 2, H411
Cyclohexane	(CAS No) 110-82-7 (EC no) 203-806-2 (EC index no) 601-017-00-1 (REACH-no) 01-2119463273-41	2,5 - 5	Flam. Liq. 2, H225 Skin Irrit. 2, H315 STOT SE 3, H336 Asp. Tox. 1, H304 Aquatic Acute 1, H400 Aquatic Chronic 1, H410
Toluene	(CAS No) 108-88-3 (EC no) 203-625-9 (EC index no) 601-021-00-3 (REACH-no) 01-2119471310-51	2,5 - 5	Flam. Liq. 2, H225 Skin Irrit. 2, H315 Repr. 2, H361d STOT SE 3, H336 STOT RE 2, H373 Asp. Tox. 1, H304
xylene substance with a Community workplace exposure limit	(CAS No) 1330-20-7 (EC no) 215-535-7 (EC index no) 601-022-00-9 (REACH-no) 01-2119488216-32	0,1 - 1	Flam. Liq. 3, H226 Acute Tox. 4 (Dermal), H312 Acute Tox. 4 (Inhalation:dust,mist), H332 Skin Irrit. 2, H315
Reaction mass of 2-tert-butyl-4,6-dimethylphenol and 4-tert-butyl-2,5-dimethylphenol	(EC no) 911-254-5 (REACH-no) 01-2119537289-29	0,1 - 1	Acute Tox. 4 (Oral), H302 Skin Irrit. 2, H315 Eye Irrit. 2, H319 Skin Sens. 1, H317 STOT RE 2, H373 Aquatic Acute 1, H400 Aquatic Chronic 1, H410

Full text of H-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.

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First-aid measures after inhalation	: Remove victim to fresh air. Respiratory problems: consult a doctor/medical service.
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 or doctor/physician. Ingestion of large quantities: immediately to hospital.

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

Symptoms/injuries	: May cause an allergic skin reaction.
Symptoms/injuries after inhalation	: Suspected of damaging the unborn child.
Symptoms/injuries after skin contact	: Repeated exposure may cause skin dryness or cracking. Causes skin irritation.
Symptoms/injuries after ingestion	: Harmful if swallowed. Risk of aspiration pneumonia. May be fatal if swallowed and enters airways. Headache. Abdominal pain.

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	: Flammable liquid and vapour. This material can accumulate static charge by flow or agitation and can be ignited by static discharge.
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 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. Prevent flow to low areas. Large spills/in enclosed spaces: compressed air apparatus. Ventilate spillage area. Take off contaminated clothing and wash before reuse.

6.1.2. For emergency responders

Protective equipment : Equip cleanup crew with proper protection.

6.2. Environmental precautions

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

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

No additional information available

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Precautions for safe handling	: Meet the legal requirements. Provide good ventilation in process area to prevent formation of vapour. Presents no particular risk when handled in accordance with good occupational hygiene practice.
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Hygiene measures : Use good personal hygiene practices. IF ON SKIN: Wash with plenty of soap and water. Wash contaminated clothing before reuse.

7.2. Conditions for safe storage, including any incompatibilities

Technical measures : Take precautionary measures against static discharge.
Storage conditions : Meet the legal requirements. Protect from sunlight. Store in a well-ventilated place. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Store in a closed container.
Storage temperature : < 45 °C
Storage area : Meet the legal requirements. Fireproof storeroom. Ventilation along the floor.
Special rules on packaging : Meet the legal requirements. correctly labelled.

7.3. Specific end use(s)

No additional information available

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

Kerosine (petroleum) (8008-20-6)

Belgium	Limit value (mg/m ³)	200 mg/m ³
Belgium	Remark (BE)	D

Toluene (108-88-3)

Belgium	Limit value (mg/m ³)	77 mg/m ³
Belgium	Limit value (ppm)	20 ppm
Belgium	Short time value (mg/m ³)	384 mg/m ³
Belgium	Short time value (ppm)	100 ppm
Belgium	Remark (BE)	D

Cyclohexane (110-82-7)

Belgium	Limit value (mg/m ³)	350 mg/m ³
Belgium	Limit value (ppm)	100 ppm

Methylcyclohexane (108-87-2)

Belgium	Limit value (mg/m ³)	1633 mg/m ³
Belgium	Limit value (ppm)	400 ppm

Octane; n-octane (111-65-9)

Belgium	Limit value (mg/m ³)	1420 mg/m ³
Belgium	Limit value (ppm)	300 ppm
Belgium	Short time value (mg/m ³)	1775 mg/m ³
Belgium	Short time value (ppm)	375 ppm

n-heptane (142-82-5)

EU	IOELV TWA (mg/m ³)	2085 mg/m ³
EU	IOELV TWA (ppm)	500 ppm
Belgium	Limit value (mg/m ³)	1664 mg/m ³
Belgium	Limit value (ppm)	400 ppm
Belgium	Short time value (mg/m ³)	2085 mg/m ³
Belgium	Short time value (ppm)	500 ppm

xylene (1330-20-7)

EU	IOELV TWA (mg/m ³)	221 mg/m ³
EU	IOELV TWA (ppm)	50 ppm
EU	IOELV STEL (mg/m ³)	442 mg/m ³
EU	IOELV STEL (ppm)	100 ppm
Belgium	Limit value (mg/m ³)	221 mg/m ³
Belgium	Limit value (ppm)	50 ppm
Belgium	Short time value (mg/m ³)	442 mg/m ³
Belgium	Short time value (ppm)	100 ppm
Belgium	Remark (BE)	D
United Kingdom	WEL STEL (ppm)	100 ppm

Toluene (108-88-3)

DNEL/DMEL (Workers)

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Toluene (108-88-3)

Long-term - systemic effects, dermal	384 mg/kg bodyweight/day
Long-term - systemic effects, inhalation	192 mg/m ³
Long-term - local effects, inhalation	192 mg/m ³
DNEL/DMEL (General population)	
Long-term - systemic effects, oral	8,13 mg/kg bodyweight/day
Long-term - systemic effects, inhalation	56,5 mg/m ³
Long-term - systemic effects, dermal	226 mg/kg bodyweight/day
Long-term - local effects, inhalation	56,5 mg/m ³
PNEC (Water)	
PNEC aqua (freshwater)	0,68 mg/l
PNEC aqua (marine water)	0,68 mg/l
PNEC aqua (intermittent, freshwater)	0,68 mg/l
PNEC (Sediment)	
PNEC sediment (freshwater)	16,39 mg/kg dwt
PNEC sediment (marine water)	16,39 mg/kg dwt
PNEC (Soil)	
PNEC soil	2,89 mg/kg dwt
PNEC (STP)	
PNEC sewage treatment plant	13,61 mg/l

Cyclohexane (110-82-7)

DNEL/DMEL (Workers)	
Acute - systemic effects, inhalation	700 mg/m ³
Acute - local effects, inhalation	700 mg/m ³
Long-term - systemic effects, dermal	2016 mg/kg bodyweight/day
Long-term - systemic effects, inhalation	700 mg/m ³
Long-term - local effects, inhalation	700 mg/m ³
DNEL/DMEL (General population)	
Acute - systemic effects, inhalation	412
Acute - local effects, inhalation	412 mg/m ³
Long-term - systemic effects, oral	59,4 mg/kg bodyweight/day
Long-term - systemic effects, inhalation	206 mg/m ³
Long-term - systemic effects, dermal	1186 mg/kg bodyweight/day
Long-term - local effects, inhalation	206 mg/m ³
PNEC (Water)	
PNEC aqua (freshwater)	0,207 mg/l
PNEC aqua (marine water)	0,207 mg/l
PNEC aqua (intermittent, freshwater)	0,207 mg/l
PNEC (Sediment)	
PNEC sediment (freshwater)	3,627 mg/kg dwt
PNEC sediment (marine water)	3,627 mg/kg dwt
PNEC (Soil)	
PNEC soil	2,99 mg/kg dwt
PNEC (STP)	
PNEC sewage treatment plant	3,24 mg/l

Methylcyclohexane (108-87-2)

DNEL/DMEL (Workers)	
Long-term - systemic effects, dermal	1,7 mg/kg bodyweight/day
Long-term - systemic effects, inhalation	64,3 mg/m ³
DNEL/DMEL (General population)	
Long-term - systemic effects, oral	0,4 mg/kg bodyweight/day
Long-term - systemic effects, inhalation	16 mg/m ³
Long-term - systemic effects, dermal	0,8 mg/kg bodyweight/day

Octane; n-octane (111-65-9)

DNEL/DMEL (Workers)	
Long-term - systemic effects, dermal	773 mg/kg bodyweight/day
Long-term - systemic effects, inhalation	2035 mg/m ³

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Octane; n-octane (111-65-9)

DNEL/DMEL (General population)	
Long-term - systemic effects, oral	699 mg/kg bodyweight/day
Long-term - systemic effects, inhalation	608 mg/m ³
Long-term - systemic effects, dermal	699 mg/kg bodyweight/day
PNEC (Sediment)	
PNEC sediment (freshwater)	4 mg/kg dwt
PNEC sediment (marine water)	4 mg/kg dwt
PNEC (Soil)	
PNEC soil	1,6 mg/kg dwt

n-heptane (142-82-5)

DNEL/DMEL (Workers)	
Long-term - systemic effects, dermal	300 mg/kg bodyweight/day
Long-term - systemic effects, inhalation	2085 mg/m ³
DNEL/DMEL (General population)	
Long-term - systemic effects, oral	149 mg/kg bodyweight/day
Long-term - systemic effects, inhalation	447 mg/m ³
Long-term - systemic effects, dermal	149 mg/kg bodyweight/day

xylene (1330-20-7)

DNEL/DMEL (Workers)	
Acute - systemic effects, inhalation	289 mg/m ³
Acute - local effects, inhalation	289 mg/m ³
Long-term - systemic effects, dermal	180 mg/kg bodyweight/day
Long-term - systemic effects, inhalation	77 mg/m ³
DNEL/DMEL (General population)	
Acute - systemic effects, inhalation	174 mg/m ³
Acute - local effects, inhalation	174 mg/m ³
Long-term - systemic effects, oral	1,6 mg/kg bodyweight/day
Long-term - systemic effects, inhalation	14,8 mg/m ³
Long-term - systemic effects, dermal	108 mg/kg bodyweight/day
Long-term - local effects, inhalation	174 mg/m ³
PNEC (Water)	
PNEC aqua (freshwater)	0,327 mg/l
PNEC aqua (marine water)	0,327 mg/l
PNEC aqua (intermittent, freshwater)	0,327 mg/l
PNEC (Sediment)	
PNEC sediment (freshwater)	12,46 mg/kg dwt
PNEC sediment (marine water)	12,46 mg/kg dwt
PNEC (Soil)	
PNEC soil	2,31 mg/kg dwt
PNEC (STP)	
PNEC sewage treatment plant	6,58 mg/l

Reaction mass of 2-tert-butyl-4,6-dimethylphenol and 4-tert-butyl-2,5-dimethylphenol

DNEL/DMEL (Workers)	
Acute - systemic effects, dermal	0,12 mg/kg bodyweight/day
Acute - systemic effects, inhalation	10,6 mg/m ³
Long-term - systemic effects, dermal	0,02 mg/kg bodyweight/day
Long-term - systemic effects, inhalation	0,14 mg/m ³
DNEL/DMEL (General population)	
Acute - systemic effects, dermal	0,06 mg/kg bodyweight
Acute - systemic effects, inhalation	5,17 mg/m ³
Acute - systemic effects, oral	0,06 mg/kg bodyweight
Long-term - systemic effects, oral	0,01 mg/kg bodyweight/day
Long-term - systemic effects, inhalation	0,035 mg/m ³
Long-term - systemic effects, dermal	0,01 mg/kg bodyweight/day
PNEC (Sediment)	
PNEC sediment (freshwater)	0,547 mg/kg dwt

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Reaction mass of 2-tert-butyl-4,6-dimethylphenol and 4-tert-butyl-2,5-dimethylphenol

PNEC sediment (marine water) 0,0547 mg/kg dwt

PNEC (Soil)

PNEC soil 0,26 mg/kg dwt

PNEC (STP)

PNEC sewage treatment plant 2,2 mg/l

8.2. Exposure 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.

Personal protective equipment

: Gloves. Safety glasses.



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.

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 : Colourless.

Odour : petroleum-like odour.

Odour threshold : No data available

pH :

Relative evaporation rate (butylacetate=1) : No data available

refraction index :

Melting point : No data available

Freezing point : No data available

Boiling point : No data available

Flash point : 45 °C

Auto-ignition temperature : No data available

Decomposition temperature : No data available

Flammability (solid, gas) : No data available

Vapour pressure : No data available

Relative vapour density at 20 °C : No data available

Relative density : No data available

Density @20°C : 800 kg/m³

Solubility : insoluble in water.

Log Pow : No data available

Log Kow : No data available

Viscosity, kinematic @40°C : 3 mm²/s

Viscosity, dynamic @40°C : No data available

Viscosity :

Viscosity Index :

Explosive properties : No data available

Oxidising properties : No data available

Explosive limits : No data available

9.2. Other information

Additional information

: The physical and chemical data in this section are typical values for this product and are not intended as product specifications.

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SECTION 10: Stability and reactivity

10.1. Reactivity

No additional information available

10.2. Chemical stability

Stable under normal conditions.

10.3. Possibility of hazardous reactions

No additional information available

10.4. Conditions to avoid

No flames, no sparks. Eliminate all sources of ignition. Keep away from strong acids and strong oxidizers.

10.5. Incompatible materials

No additional information available

10.6. Hazardous decomposition products

Under normal conditions of storage and use, hazardous decomposition products should not be produced. On burning: release of harmful/irritant gases/vapours. Carbon dioxide. Carbon monoxide.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Acute toxicity : Harmful: may cause lung damage if swallowed

Kerosine (petroleum) (8008-20-6)

LD50 oral rat > 5000 mg/kg bodyweight Sprague-Dawley
LD50 dermal rabbit > 2000 mg/kg bodyweight New Zealand White
LC50 inhalation rat (mg/l) > 5,28 mg/l/4h Sprague-Dawley

Toluene (108-88-3)

LD50 oral rat 5580 mg/kg bodyweight Sprague-Dawley Cobb
LD50 dermal rabbit > 5000 mg/kg bodyweight
LC50 inhalation rat (mg/l) 28,1 mg/l/4h Sprague-Dawley
ATE CLP (oral) 5580,000 mg/kg bodyweight
ATE CLP (vapours) 28,100 mg/l/4h
ATE CLP (dust,mist) 28,100 mg/l/4h

Cyclohexane (110-82-7)

LD50 oral rat > 5000 mg/kg bodyweight
LD50 dermal rabbit > 2000 mg/kg bodyweight
LC50 inhalation rat (mg/l) > 19,07 mg/l/4h Sprague-Dawley
LC50 inhalation rat (ppm) > 5540 ppm/4h Sprague-Dawley

Octane; n-octane (111-65-9)

LD50 oral rat > 5000 mg/kg bodyweight Sprague-Dawley
LD50 dermal rabbit > 2000 mg/kg bodyweight New Zealand White
LC50 inhalation rat (mg/l) > 24,88 mg/l/4h

n-heptane (142-82-5)

LD50 oral rat > 5000 mg/kg bodyweight Sprague-Dawley
LD50 dermal rabbit > 2000 mg/kg bodyweight New Zealand White
LC50 inhalation rat (mg/l) > 29,29 mg/l/4h Sprague-Dawley

xylene (1330-20-7)

LD50 oral rat > 3500 mg/kg bodyweight F344/N
LD50 dermal rabbit > 5000 mg/kg bodyweight
LC50 inhalation rat (mg/l) 29 mg/l/4h
ATE CLP (dermal) 1100,000 mg/kg bodyweight
ATE CLP (vapours) 29,000 mg/l/4h
ATE CLP (dust,mist) 1,500 mg/l/4h

Reaction mass of 2-tert-butyl-4,6-dimethylphenol and 4-tert-butyl-2,5-dimethylphenol

ATE CLP (oral) 500,000 mg/kg bodyweight

Skin corrosion/irritation : Causes skin irritation.

Serious eye damage/irritation : Not classified

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Respiratory or skin sensitisation	: Not classified
Germ cell mutagenicity	: Not classified
Carcinogenicity	: Not classified
Reproductive toxicity	: Suspected of damaging the unborn child.
Specific target organ toxicity (single exposure)	: May cause drowsiness or dizziness.
Specific target organ toxicity (repeated exposure)	: Not classified
Aspiration hazard	: May be fatal if swallowed and enters airways.

SECTION 12: Ecological information

12.1. Toxicity

Ecology - general	: This product contains hazardous components for the aquatic environment.
Ecology - water	: Toxic to aquatic life with long lasting effects.

Kerosine (petroleum) (8008-20-6)

LC50 fish 1	96h 2 (≤ 5) mg/l Oncorhynchus mykiss
EC50 Daphnia 1	48h 1,4 mg/l
EC50 other aquatic organisms 1	72h 10 (≤ 30) mg/l Pseudokirchnerella subcapitata

Toluene (108-88-3)

LC50 fish 1	96h 5,5 mg/l Oncorhynchus kisutch
EC50 Daphnia 1	48h 3,78 mg/l Ceriodaphnia dubia
NOEC (acute)	72h 10 mg/l Skeletonema costatum

Cyclohexane (110-82-7)

LC50 fish 1	96h 4,53 mg/l Pimephales promelas
EC50 Daphnia 1	48h 0,9 mg/l Daphnia magna
EC50 other aquatic organisms 1	72h 3,4 mg/l Pseudokirchnerella subcapitata
NOEC (acute)	72h 0,9 mg/l Pseudokirchnerella subcapitata

Methylcyclohexane (108-87-2)

LC50 fish 1	96h 2,07 mg/l Oryzias latipes
EC50 Daphnia 1	48h 0,326 mg/l Daphnia magna
EC50 other aquatic organisms 1	72h 0,134 mg/l Pseudokirchnerella subcapitata
NOEC (acute)	72h 0,022 mg/l Pseudokirchnerella subcapitata

Octane; n-octane (111-65-9)

LC50 fish 1	96h 2,587 mg/l Oncorhynchus mykiss
EC50 Daphnia 1	48h 0,3 mg/l Daphnia magna
EC50 other aquatic organisms 1	72h 2,084 mg/l Pseudokirchneriella subcapitata

n-heptane (142-82-5)

LC50 fish 1	96h 5738 mg/l Oncorhynchus mykiss
EC50 Daphnia 1	48h 1,5 mg/l Daphnia magna
EC50 other aquatic organisms 1	72h 4338 mg/l Pseudokirchneriella subcapitata

xylene (1330-20-7)

LC50 fish 1	> 3 (≤ 10) mg/l @96h
EC50 Daphnia 1	> 3 (≤ 10) mg/l @48h
EC50 other aquatic organisms 1	> 3 (≤ 10) mg/l @72h algae

12.2. Persistence and degradability

Kerosine (petroleum) (8008-20-6)

Persistence and degradability	biodegradable.
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Methylcyclohexane (108-87-2)

Persistence and degradability	Not readily biodegradable.
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xylene (1330-20-7)

Persistence and degradability	Readily biodegradable.
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12.3. Bioaccumulative potential

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Kerosine (petroleum) (8008-20-6)

Bioaccumulative potential Bioaccumulative potential.

xylene (1330-20-7)

Bioaccumulative potential Slightly bioaccumulative.

12.4. Mobility in soil

No additional information available

12.5. Results of PBT and vPvB assessment

xylene (1330-20-7)

This substance/mixture does not meet the PBT criteria of REACH regulation, annex XIII

This substance/mixture does not meet the vPvB criteria of REACH regulation, annex XIII

12.6. Other adverse effects

No additional information available

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Waste 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) code : 14 06 03* - other solvents and solvent mixtures

SECTION 14: Transport information

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

14.1. UN number

UN-No. (ADR) : 1993

14.2. UN proper shipping name

Proper Shipping Name (ADR) : FLAMMABLE LIQUID, N.O.S.

Transport document description (ADR) : UN 1993 FLAMMABLE LIQUID, N.O.S. (Kerosene), 3, III, (D/E), ENVIRONMENTALLY HAZARDOUS

14.3. Transport hazard class(es)

Class (ADR) : 3

Danger labels (ADR) : 3



14.4. Packing group

Packing group (ADR) : III

14.5. Environmental hazards

Dangerous for the environment :



Other information : No supplementary information available.

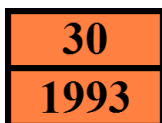
14.6. Special precautions for user

14.6.1. Overland transport

Hazard identification number (Kemler No.) : 30

Classification code (ADR) : F1

Orange plates :



Special provisions (ADR) : 274, 601, 640E

Transport category (ADR) : 3

Tunnel restriction code (ADR) : D/E

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Limited quantities (ADR) : 5I
Excepted quantities (ADR) : E1
EAC code : •3YE

14.6.2. Transport by sea

EmS-No. (1) : F-E, S-E

14.6.3. Air transport

Instruction "cargo" (ICAO) : 366
Instruction "passenger" (ICAO) : 355
Instruction "passenger" - Limited quantities (ICAO) : Y344

14.7. Transport in bulk according to Annex II of MARPOL and the IBC Code

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

15.1.2. National regulations

Water hazard class (WGK) : 3 - severe hazard to waters

15.2. Chemical safety assessment

No additional information available

SECTION 16: Other information

Full text of H- and EUH-statements:

Acute Tox. 4 (Dermal)	Acute toxicity (dermal), 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
Aquatic Chronic 2	Hazardous to the aquatic environment — Chronic Hazard, Category 2
Asp. Tox. 1	Aspiration hazard, Category 1
Eye Irrit. 2	Serious eye damage/eye irritation, Category 2
Flam. Liq. 2	Flammable liquids, Category 2
Flam. Liq. 3	Flammable liquids, Category 3
Repr. 2	Reproductive toxicity, Category 2
Skin Irrit. 2	Skin corrosion/irritation, Category 2
Skin Sens. 1	Sensitisation — Skin, Category 1
STOT RE 2	Specific target organ toxicity — Repeated exposure, Category 2
STOT SE 3	Specific target organ toxicity — Single exposure, Category 3, Narcosis
H225	Highly flammable liquid and vapour
H226	Flammable liquid and vapour
H302	Harmful if swallowed
H304	May be fatal if swallowed and enters airways
H312	Harmful in contact with skin
H315	Causes skin irritation
H317	May cause an allergic skin reaction

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H319	Causes serious eye irritation
H332	Harmful if inhaled
H336	May cause drowsiness or dizziness
H361d	Suspected of damaging the unborn child
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
EUH208	Contains . May produce an allergic reaction

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