

# Safety Data Sheet

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

Date of issue: 17/07/2017 Revision date: : Version: 1.0

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

1.1. Product identifier

Product form : Mixture

Product name : Custom High VPH Mix

Product code : AL0-130132
Product group : Trade product

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

# 1.2.1. Relevant identified uses

Main use category : Laboratory use Industrial/Professional use spec : Industrial

For professional use only

#### 1.2.2. Uses advised against

No additional information available

# 1.3. Details of the supplier of the safety data sheet

Phenova

6390 Joyce Dr. Suite 100

80403 Golden, CO - United States T 1-866-942-2978 - F 1-866-283-0269 info@phenova.com - www.phenova.com

# 1.4. Emergency telephone number

Emergency number : ChemTel Assistance (US/Canada) 1-800-255-3924

ChemTel Assistance (International) +1 813-248-0585

# SECTION 2: Hazards identification

# 2.1. Classification of the substance or mixture

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

H225 Flam. Liq. 2 Acute Tox. 3 (Oral) H301 Acute Tox. 3 (Dermal) H311 Skin Irrit. 2 H315 Muta. 1B H340 Carc. 1A H350 STOT SE 1 H370 STOT RE 2 H373 Aquatic Chronic 3 H412

# Classification according to Directive 67/548/EEC [DSD] or 1999/45/EC [DPD]

Carc.Cat.1; R45 Muta.Cat.2; R46 F+; R12 T; R23/24/25 T; R39/23/24/25

T; R39/23/24/25 Xn; R48/20/21/22

R52/53

Full text of R-phrases: see section 16

# Adverse physicochemical, human health and environmental effects

No additional information available

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### 2.2. Label elements

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

Hazard pictograms (CLP)







GHS02

GHS06

GHS08

Signal word (CLP) : Danger

Hazardous ingredients : benzene; styrene; m-xylene; o-xylene; p-xylene; methanol

Hazard statements (CLP) : H225 - Highly flammable liquid and vapour

H301+H311 - Toxic if swallowed or in contact with skin

H315 - Causes skin irritation H340 - May cause genetic defects H350 - May cause cancer H370 - Causes damage to organs

H373 - May cause damage to organs through prolonged or repeated exposure

H412 - Harmful to aquatic life with long lasting effects

Precautionary statements (CLP) : P210 - Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No

smoking

P233 - Keep container tightly closed

P260 - Do not breathe dust/fume/gas/mist/vapours/spray P270 - Do not eat, drink or smoke when using this product

P273 - Avoid release to the environment

P280 - Wear protective gloves/protective clothing/eye protection/face protection P301+P330+P331 - IF SWALLOWED: Rinse mouth. Do NOT induce vomiting

P303+P361+P353 - IF ON SKIN (or hair): Take off immediately all contaminated clothing.

Rinse skin with water

P308+P313 - IF exposed or concerned: Get medical advice/attention P332+P313 - If skin irritation occurs: Get medical advice/attention P362+P364 - Take off contaminated clothing and wash it before reuse

P403+P235 - Store in a well-ventilated place. Keep cool

P501 - Dispose of contents/container to hazardous or special waste collection point, in

accordance with local, regional, national and/or international regulation

No labelling applicable

# 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]
methanol (Component)	(CAS-No.) 67-56-1 (EC-No.) 200-659-6 (EC Index-No.) 603-001-00-X	87	Flam. Liq. 2, H225 Acute Tox. 3 (Oral), H301 Acute Tox. 3 (Dermal), H311 Acute Tox. 3 (Inhalation), H331 STOT SE 1, H370
benzene (Component)	(CAS-No.) 71-43-2 (EC-No.) 200-753-7 (EC Index-No.) 601-020-00-8	1	Flam. Liq. 2, H225 Skin Irrit. 2, H315 Eye Irrit. 2, H319 Muta. 1B, H340 Carc. 1A, H350 STOT RE 1, H372 Asp. Tox. 1, H304
decane (Component)	(CAS-No.) 124-18-5 (EC-No.) 204-686-4	1	Flam. Liq. 3, H226 Asp. Tox. 1, H304
ethylbenzene (Component)	(CAS-No.) 100-41-4 (EC-No.) 202-849-4 (EC Index-No.) 601-023-00-4	1	Flam. Liq. 2, H225 Acute Tox. 4 (Inhalation), H332 STOT RE 2, H373 Asp. Tox. 1, H304
hexane (Component)	(CAS-No.) 110-54-3 (EC-No.) 203-777-6 (EC Index-No.) 601-037-00-0	1	Flam. Liq. 2, H225 Skin Irrit. 2, H315 Repr. 2, H361f STOT SE 3, H336 STOT RE 2, H373 Asp. Tox. 1, H304 Aquatic Chronic 2, H411

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Name	Product identifier	%	Classification according to Regulation (EC) No. 1272/2008 [CLP]
tert-Butyl Methyl Ether (MTBE) (Component)	(CAS-No.) 1634-04-4 (EC-No.) 216-653-1 (EC Index-No.) 603-181-00-X	1	Flam. Liq. 2, H225 Skin Irrit. 2, H315
n-pentane (Component)	(CAS-No.) 109-66-0 (EC-No.) 203-692-4 (EC Index-No.) 601-006-00-1	1	Flam. Liq. 2, H225 STOT SE 3, H336 Asp. Tox. 1, H304 Aquatic Chronic 2, H411
styrene (Component)	(CAS-No.) 100-42-5 (EC-No.) 202-851-5 (EC Index-No.) 601-026-00-0	1	Flam. Liq. 3, H226 Acute Tox. 4 (Inhalation), H332 Skin Irrit. 2, H315 Eye Irrit. 2, H319 Repr. 2, H361d STOT RE 1, H372
toluene (Component)	(CAS-No.) 108-88-3 (EC-No.) 203-625-9 (EC Index-No.) 601-021-00-3	1	Flam. Liq. 2, H225 Skin Irrit. 2, H315 Repr. 2, H361d STOT SE 3, H336 STOT RE 2, H373 Asp. Tox. 1, H304
1,2,4-trimethylbenzene (Component)	(CAS-No.) 95-63-6 (EC-No.) 202-436-9 (EC Index-No.) 601-043-00-3	1	Flam. Liq. 3, H226 Acute Tox. 4 (Inhalation), H332 Skin Irrit. 2, H315 Eye Irrit. 2, H319 STOT SE 3, H335 Aquatic Chronic 2, H411
m-xylene (Component)	(CAS-No.) 108-38-3 (EC-No.) 203-576-3 (EC Index-No.) 601-022-00-9	1	Flam. Liq. 3, H226 Acute Tox. 4 (Dermal), H312 Acute Tox. 4 (Inhalation), H332 Skin Irrit. 2, H315
o-xylene (Component)	(CAS-No.) 95-47-6 (EC-No.) 202-422-2 (EC Index-No.) 601-022-00-9	1	Flam. Liq. 3, H226 Acute Tox. 4 (Dermal), H312 Acute Tox. 4 (Inhalation), H332 Skin Irrit. 2, H315
p-xylene (Component)	(CAS-No.) 106-42-3 (EC-No.) 203-396-5 (EC Index-No.) 601-022-00-9	1	Flam. Liq. 3, H226 Acute Tox. 4 (Dermal), H312 Acute Tox. 4 (Inhalation), H332 Skin Irrit. 2, H315
octane	(CAS-No.) 111-65-9 (EC-No.) 203-892-1 (EC Index-No.) 601-009-00-8	1	Flam. Liq. 2, H225 Skin Irrit. 2, H315 STOT SE 3, H336 Asp. Tox. 1, H304 Aquatic Acute 1, H400 Aquatic Chronic 1, H410
Name	Product identifier	Specific	concentration limits
methanol (Component)	(CAS-No.) 67-56-1 (EC-No.) 200-659-6 (EC Index-No.) 603-001-00-X		10) STOT SE 2, H371 STOT SE 1, H370
hexane (Component)	(CAS-No.) 110-54-3 (EC-No.) 203-777-6 (EC Index-No.) 601-037-00-0	(C >= 5) S	TOT RE 2, H373

# **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 exposed or concerned: Get

medical advice/attention.

First-aid measures after inhalation : Assure fresh air breathing. 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

No additional information available

# **SECTION 5: Firefighting measures**

# 5.1. Extinguishing media

Suitable extinguishing media : Use extinguishing media appropriate for surrounding fire.

Unsuitable extinguishing media : Do not use a heavy water stream.

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## 5.2. Special hazards arising from the substance or mixture

No additional information available

# 5.3. Advice for firefighters

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.

# 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 : Take up in absorbent material. Collect spillage.

### 6.4. Reference to other sections

See Heading 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.

Hygiene measures : Gently wash with plenty of soap and water. Remove/Take off immediately all contaminated

clothing. Wash contaminated clothing before reuse.

### 7.2. Conditions for safe storage, including any incompatibilities

Storage conditions : Keep container closed when not in use. Keep container tightly closed and in a well-ventilated

place. Keep away from any flames or sparking source.

Incompatible materials : Direct sunlight.

### 7.3. Specific end use(s)

No additional information available

# SECTION 8: Exposure controls/personal protection

### 8.1. Control parameters

benzene (71-43-2)		
USA OSHA	OSHA PEL (TWA) (ppm)	10 ppm
USA OSHA	OSHA PEL (Ceiling) (ppm)	25 ppm

# 8.2. Exposure controls

Appropriate engineering controls

: Either local exhaust or general room ventilation is usually required.

Personal protective equipment

 Avoid all unnecessary exposure. Gloves. Protective clothing. Protective goggles. Safety glasses.



Hand protection : Wear chemically resistant protective gloves. Wear suitable gloves resistant to chemical penetration.

Eye protection : Chemical goggles or safety glasses. Safety glasses.

Skin and body protection : Wear chemically protective gloves, lab coat or apron to prevent prolonged or repeated skin

contact.

Respiratory protection : Wear appropriate mask.

Other information : Do not eat, drink or smoke during use.

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# **SECTION 9: Physical and chemical properties**

# 9.1. Information on basic physical and chemical properties

Physical state : Liquid Colour : Colourless. Odour : characteristic. рΗ : No data available Melting point : No data available Freezing point : No data available Boiling point : No data available Flash point : No data available : No data available Auto-ignition temperature Decomposition temperature : No data available Flammability (solid, gas) : Non flammable Relative density : No data available Solubility : No data available : No data available Explosive properties : No data available Oxidising properties Explosive limits No data available

# 9.2. Other information

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

No additional information available

# 10.6. Hazardous decomposition products

No additional information available

# SECTION 11: Toxicological information

# 11.1. Information on toxicological effects

Acute toxicity : Oral: Toxic if swallowed. Dermal: Toxic in contact with skin.

114.9425287356 mg/kg bodyweight
341.6149068323 mg/kg bodyweight
> 930 mg/kg (Rat; Equivalent or similar to OECD 401; Literature study; > 2000 mg/kg bodyweight; Rat; Experimental value)
> 8240 mg/kg (Rabbit; Experimental value; 21 CFR 191.10; > 9.4; Rabbit)
43.767 mg/l/4h (Rat; Experimental value)
13700 ppm/4h (Rat; Experimental value)
13700 ppmv/4h
43.767 mg/l/4h
43.767 mg/l/4h
> 5000 mg/kg (Rat)
> 2000 mg/kg (Rat)
3500 mg/kg (Rat; Other; Experimental value)
15415 mg/kg (Rabbit; Literature study; Other; 15432 mg/kg; Rabbit; Experimental value)

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-4llh	
ethylbenzene (100-41-4)	47.0 mg/l/4h /Data Litagatura atudu)
LC50 inhalation rat (mg/l)	17.8 mg/l/4h (Rat; Literature study)
LC50 inhalation rat (ppm)  ATE CLP (oral)	4000 ppm/4h (Rat; Literature study) 3500 mg/kg bodyweight
ATE CLP (drail)  ATE CLP (dermal)	15415 mg/kg bodyweight
ATE CLP (gases)	4000 ppmv/4h
ATE CLP (gases)  ATE CLP (vapours)	17.8 mg/l/4h
ATE CLP (vapours)  ATE CLP (dust,mist)	1.5 mg/l/4h
	1.5 mg//-11
hexane (110-54-3) LD50 oral rat	16000 mg/kg bodyweight (Rat; Equivalent or similar to OECD 401; Experimental value)
LD50 dran rat	> 3350 mg/kg bodyweight (Rabbit; Read-across; Equivalent or similar to OECD 401, Experimental value)
ATE CLP (oral)	16000 mg/kg bodyweight
	10000 mg/kg bodywoight
tert-Butyl Methyl Ether (MTBE) (1634-04-4)	4000 malka (Pot)
LD50 oral rat	4000 mg/kg (Rat) > 6800 mg/kg (Rat)
LD50 dermal rat	> 10000 mg/kg (Rat)
LC50 inhalation rat (mg/l)	85 mg/l/4h (Rat)
LC50 inhalation rat (ppm)	23576 ppm/4h (Rat)
ATE CLP (oral)	4000 mg/kg bodyweight
ATE CLP (gases)	23576 ppmv/4h
ATE CLP (vapours)	85 mg/l/4h
ATE CLP (dust,mist)	85 mg/l/4h
n-pentane (109-66-0)	
LD50 oral rat	> 2000 mg/kg (Rat; OECD 401: Acute Oral Toxicity; Experimental value)
styrene (100-42-5)	2000 mg/ng (man, 0205 to minority contains on an incompany contains and incompany contains on an incompany contains on a
LD50 oral rat	5000 mg/kg (Rat; Literature study; >6000 mg/kg bodyweight; Rat; Weight of evidence)
LD50 dermal rat	2820 mg/kg (Rat; Literature study; OECD 402: Acute Dermal Toxicity; >2000 mg/kg
EBOO domai lat	bodyweight; Rat; Experimental value)
LD50 dermal rabbit	5010 mg/kg (Rabbit; Literature study)
LC50 inhalation rat (mg/l)	12 mg/l/4h (Rat; Literature study)
LC50 inhalation rat (ppm)	2770 ppm/4h (Rat; Literature study)
ATE CLP (oral)	5000 mg/kg bodyweight
ATE CLP (dermal)	2820 mg/kg bodyweight
ATE CLP (gases)	2770 ppmv/4h
ATE CLP (vapours)	12 mg/l/4h
ATE CLP (dust,mist)	1.5 mg/l/4h
toluene (108-88-3)	0000 # /D / E / / / / 0500 /0/ / / / 5500 #
LD50 oral rat	> 2000 mg/kg (Rat; Equivalent or similar to OECD 401; Literature study; 5580 mg/kg bodyweight; Rat; Experimental value)
LD50 dermal rabbit	12223 mg/kg (Rabbit; Literature study; Other; >5000 mg/kg bodyweight; Rabbit; Experimental
	value)
LC50 inhalation rat (mg/l)	> 20 mg/l/4h (Rat; Literature study)
ATE CLP (dermal)	12223 mg/kg bodyweight
1,2,4-trimethylbenzene (95-63-6)	
LD50 oral rat	> 5000 mg/kg (Rat; Equivalent or similar to OECD 401; Literature; 6000 mg/kg bodyweight;
LDE0 dayraal rat	Rat; Experimental value)
LD50 dermal rat	> 3440 mg/kg (Rat; Read-across; OECD 402: Acute Dermal Toxicity)
LC50 inhalation rat (mg/l)	18 mg/l/4h (Rat) 4500 ppmv/4h
ATE CLP (gases) ATE CLP (vapours)	18 mg/l/4h
ATE CLP (vapours)  ATE CLP (dust,mist)	1.5 mg/l/4h
m-xylene (108-38-3) LD50 oral rat	5011 6630 mg/kg /Pat)
ATE CLP (oral)	5011 - 6630 mg/kg (Rat) 5011 mg/kg bodyweight
ATE CLP (dermal)	1100 mg/kg bodyweight
ATE CLP (gases)	4500 ppmv/4h
ATE CLP (gases)  ATE CLP (vapours)	11 mg/l/4h
ATE CLP (dust,mist)	1.5 mg/l/4h
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o-xylene (95-47-6)	
LD50 oral rat	3608 mg/kg (Rat)
ATE CLP (oral)	3608 mg/kg bodyweight
ATE CLP (dermal)	1100 mg/kg bodyweight
ATE CLP (gases)	4500 ppmv/4h
ATE CLP (vapours)	11 mg/l/4h
ATE CLP (dust,mist)	1.5 mg/l/4h
p-xylene (106-42-3)	
LD50 oral rat	4030 mg/kg (Rat)
LC50 inhalation rat (mg/l)	20 mg/l/4h (Rat)
LC50 inhalation rat (ppm)	4740 ppm/4h (Rat)
ATE CLP (oral)	4030 mg/kg bodyweight
ATE CLP (drain)  ATE CLP (dermal)	1100 mg/kg bodyweight
ATE CLP (definal)  ATE CLP (gases)	4740 ppmv/4h
ATE CLP (vapours)	20 mg/l/4h
ATE CLP (dust,mist)	1.5 mg/l/4h
methanol (67-56-1)	
LD50 oral rat	> 5000 mg/kg (Rat; BASF test; Literature study; 1187-2769 mg/kg bodyweight; Rat; Weight of evidence)
LD50 dermal rabbit	15800 mg/kg (Rabbit; Literature study)
LC50 inhalation rat (mg/l)	85 mg/l/4h (Rat; Literature study)
LC50 inhalation rat (ppm)	64000 ppm/4h (Rat; Literature study)
ATE CLP (oral)	100 mg/kg bodyweight
ATE CLP (dermal)	300 mg/kg bodyweight
ATE CLP (gases)	700 ppmv/4h
ATE CLP (vapours)	3 mg/l/4h
ATE CLP (dust,mist)	0.5 mg/l/4h
octane (111-65-9)	
LD50 oral rat	5630 mg/kg (Rat; Equivalent or similar to OECD 401; Literature study; >5000 mg/kg bodyweight; Rat; Read-across)
LD50 dermal rabbit	> 2000 mg/kg bodyweight (Rabbit; Read-across; Equivalent or similar to OECD 402)
LC50 inhalation rat (mg/l)	118 mg/l/4h (Rat; Literature study)
ATE CLP (oral)	5630 mg/kg bodyweight
ATE CLP (vapours)	118 mg/l/4h
ATE CLP (dust,mist)	118 mg/l/4h
Skin corrosion/irritation	: Causes skin irritation.
Serious eye damage/irritation	Based on available data, the classification criteria are not met  : Not classified
Respiratory or skin sensitisation	Based on available data, the classification criteria are not met : Not classified
	Based on available data, the classification criteria are not met
Germ cell mutagenicity	: May cause genetic defects.
,	Based on available data, the classification criteria are not met
Carcinogenicity	: May cause cancer.
g,	Based on available data, the classification criteria are not met May cause cancer
Reproductive toxicity	: Not classified
. top. square toxioity	Based on available data, the classification criteria are not met
STOT single exposure	,
STOT-single exposure	: Causes damage to organs.  Based on available data, the classification criteria are not met
STOT-repeated exposure	: May cause damage to organs through prolonged or repeated exposure.  Based on available data, the classification criteria are not met
Aspiration hazard	: Not classified
•	Based on available data, the classification criteria are not met
Potential adverse human health effects and	: Based on available data, the classification criteria are not met.
symptoms	

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Biochemical oxygen demand (BOD)

Chemical oxygen demand (COD)

Persistence and degradability

ThOD

BOD (% of ThOD)

decane (124-18-5)

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ECTION 12: Ecological informati	ion
.1. Toxicity	
benzene (71-43-2)	
LC50 fish 1	5.3 mg/l (LC50; 96 h; Salmo gairdneri)
EC50 Daphnia 2	10 mg/l (EC50; OECD 202: Daphnia sp. Acute Immobilisation Test; 48 h; Daphnia magna)
Threshold limit algae 1	100 mg/l (ErC50; OECD 201: Alga, Growth Inhibition Test; 72 h; Pseudokirchneriella
Threshold inflit algae 1	subcapitata; Static system; Fresh water; Experimental value)
decane (124-18-5)	
EC50 Daphnia 1	18 mg/l (LC50; 48 h)
Threshold limit algae 1	0.05 mg/l (EC0; 72 h)
ethylbenzene (100-41-4)	
LC50 fish 2	4.2 mg/l (LC50; OECD 203: Fish, Acute Toxicity Test; 96 h; Salmo gairdneri; Semi-static system; Fresh water; Experimental value)
hexane (110-54-3)	
LC50 fish 1	2.5 mg/l (LC50; 96 h)
EC50 Daphnia 1	2.1 mg/l (EC50; 48 h)
Threshold limit algae 2	26 mg/l (EbC50; OECD 201: Alga, Growth Inhibition Test; 72 h; Pseudokirchneriella subcapitata; Static system)
tert-Butyl Methyl Ether (MTBE) (1634-04	4-4)
LC50 fish 1	672 - 706 mg/l (LC50; 96 h; Pimephales promelas)
EC50 Daphnia 1	651 mg/l (EC50; OECD 202: Daphnia sp. Acute Immobilisation Test; 48 h; Daphnia magna
1,2,4-trimethylbenzene (95-63-6)	
LC50 fish 1	7.72 mg/l (LC50; 96 h; Pimephales promelas; Flow-through system; Fresh water)
EC50 Daphnia 1	3.6 mg/l (LC50; OECD 202: Daphnia sp. Acute Immobilisation Test; 48 h; Daphnia magna; Static system; Fresh water; Experimental value)
Threshold limit algae 2	2.356 mg/l (EC50; ECOSAR; 96 h; Algae; Fresh water)
m-xylene (108-38-3)	
EC50 Daphnia 1	4.7 mg/l (EC50; 48 h)
LC50 fish 2	8.4 mg/l (LC50; 96 h)
o-xylene (95-47-6)	
EC50 other aquatic organisms 1	4.7 mg/l (72 h; Selenastrum capricornutum; Growth)
LC50 fish 2	8.05 mg/l (LC50; 96 h)
EC50 Daphnia 2	3.2 mg/l (EC50; 48 h)
p-xylene (106-42-3)	
LC50 fish 1	2.6 mg/l (LC50; 96 h)
EC50 Daphnia 2	1.4 mg/l (EC50; 48 h)
·	
methanol (67-56-1) LC50 fish 1	15400 mg/l (LC50; EPA 660/3 - 75/009; 96 h; Lepomis macrochirus; Flow-through system;
	Fresh water; Experimental value)
EC50 Daphnia 1	> 10000 mg/l (EC50; DIN 38412-11; 48 h; Daphnia magna; Static system; Fresh water; Experimental value)
LC50 fish 2	10800 mg/l (LC50; 96 h; Salmo gairdneri)
octane (111-65-9)	
EC50 Daphnia 1	0.38 mg/l (EC50; Other; 48 h; Daphnia magna; Static system; Fresh water; Experimental value)
.2. Persistence and degradability	
Custom High VPH Mix	Not actablished
Persistence and degradability	Not established.
benzene (71-43-2)	
Persistence and degradability	Readily biodegradable in water. Ozonation in water. Forming sediments in water. Biodegradable in the soil. Low potential for adsorption in soil. Photolysis in the air.
Disabassia I assume damas d (DOD)	Diodegradable in the soil. Low potential for ausorption in soil. Photolysis in the all.

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Readily biodegradable in water. Adsorbs into the soil. Photodegradation in the air.

2.18 g O□ /g substance

2.15 g O□ /g substance

3.1 g O□ /g substance

0.7

ethylbenzene (100-41-4)	
Persistence and degradability	Readily biodegradable in water. Biodegradable in the soil. Low potential for adsorption in soil.
Biochemical oxygen demand (BOD)	1.44 g O□ /g substance (20d.)
Chemical oxygen demand (COD)	2.1 g O□ /gsubstance
ThOD	3.17 g O□ /g substance
BOD (% of ThOD)	45.4 (20 days)
hexane (110-54-3)	
Persistence and degradability	Readily biodegradable in water. Photooxidation in water. easily degradable in the soil.
ThOD	3.52 g O□ /g substance
BOD (% of ThOD)	0.63 (Literature study)
tert-Butyl Methyl Ether (MTBE) (1634-04-4)	
Persistence and degradability	Not readily biodegradable in water.
n-pentane (109-66-0)	, ,
Persistence and degradability	Readily biodegradable in water. Low potential for adsorption in soil.
	Treadily blodegradable in water. Low potential for adsorption in soil.
styrene (100-42-5)	I - W. I
Persistence and degradability	Readily biodegradable in water. Non degradable in the soil. Low potential for adsorption in soil. Photodegradation in the air.
Chemical oxygen demand (COD)	2.8 g O□ /gsubstance
ThOD	3.07 g O□ /g substance
BOD (% of ThOD)	0.42
toluene (108-88-3)	
Persistence and degradability	Readily biodegradable in water. easily degradable in the soil.
Biochemical oxygen demand (BOD)	2.15 g O□ /g substance
Chemical oxygen demand (COD)	2.52 g O□ /g substance
ThOD	3.13 g O□ /g substance
BOD (% of ThOD)	0.69
1,2,4-trimethylbenzene (95-63-6)	
Persistence and degradability	Not readily biodegradable in water. Forming sediments in water. Biodegradable in the soil.
	Adsorbs into the soil. Low potential for mobility in soil. Photodegradation in the air.
Chemical oxygen demand (COD)	0.44 g O□ /g substance
m-xylene (108-38-3)	
Persistence and degradability	Readily biodegradable in water. Biodegradable in the soil. Photolysis in the air. Photooxidation in the air.
Biochemical oxygen demand (BOD)	2.53 g O□ /g substance
Chemical oxygen demand (COD)	2.63 g O□ /g substance
ThOD	3.1 g O□ /g substance
o-xylene (95-47-6)	
Persistence and degradability	Readily biodegradable in water. Biodegradable in the soil. Photodegradation in the air.
Biochemical oxygen demand (BOD)	1.64 g O□ /g substance
Chemical oxygen demand (COD)	2.91 g O□ /g substance
ThOD	3.125 g O□ /g substance
p-xylene (106-42-3)	
Persistence and degradability	Readily biodegradable in water. Forming sediments in water. Biodegradable in the soil. Adsorbs into the soil. Photolysis in the air.
Biochemical oxygen demand (BOD)	1.4 g O□ /g substance
Chemical oxygen demand (COD)	2.56 g O□ /g substance
ThOD	3.125 g O□ /g substance
methanol (67-56-1)	
Persistence and degradability	Readily biodegradable in water. Biodegradable in the soil. Highly mobile in soil.
Biochemical oxygen demand (BOD)	0.6 - 1.12 g O□ /gsubstance
Chemical oxygen demand (COD)	1.42 g O□ /g substance
ThOD	1.5 g O□ /g substance
BOD (% of ThOD)	0.8 (Literature study)
octane (111-65-9)	
Persistence and degradability	Readily biodegradable in water. Biodegradable in the soil. Low potential for adsorption in soil.
Biochemical oxygen demand (BOD)	2.33 g O ☐ /g substance (35d)
ThOD	3.5 g O□ /g substance
11100	
BOD (% of ThOD)	0.67 (35 days)

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2.3. Bioaccumulative potential	
Custom High VPH Mix	
Bioaccumulative potential	Not established.
benzene (71-43-2)	
BCF fish 1	19 (BCF)
BCF fish 2	< 10 (BCF; OECD 305: Bioconcentration: Flow-Through Fish Test; 3 days; Leuciscus idus; Flow-through system; Fresh water; Experimental value)
BCF other aquatic organisms 1	30 (BCF; 24 h; Chlorella sp.)
Log Pow	2.13 (Experimental value)
Bioaccumulative potential	Low potential for bioaccumulation (BCF < 500).
decane (124-18-5)	
Log Pow	5.1 (Experimental value)
Bioaccumulative potential	Bioaccumable.
ethylbenzene (100-41-4)	4/205 011 0 1 0 1 1 1 1 1 1 1 1 1 1 1 1
BCF fish 1	1 (BCF; Other; 6 weeks; Oncorhynchus kisutch; Flow-through system; Salt water; Literature study)
BCF fish 2	15 - 79 (BCF)
BCF other aquatic organisms 1	4.68 (BCF)  2.15 (Experimental values 2.6: Experimental value: ELLMathad A.9: Partition Coefficients 20
Log Pow	3.15 (Experimental value; 3.6; Experimental value; EU Method A.8: Partition Coefficient; 20 °C)
Bioaccumulative potential	Low potential for bioaccumulation (BCF < 500).
hexane (110-54-3)	
BCF fish 1	501.187 (BCF; Other; Pimephales promelas)
Log Pow	3.5 - 3.94 (Calculated)
Bioaccumulative potential	Potential for bioaccumulation (500 ≤ BCF ≤ 5000).
tert-Butyl Methyl Ether (MTBE) (1634-0	4-4)
BCF fish 1	1.5 (BCF; 672 h)
Log Pow	1.06 (Experimental value)
Bioaccumulative potential	Low potential for bioaccumulation (BCF < 500).
n-pentane (109-66-0)	
BCF fish 1	171 (BCF)
Log Pow	3.45 (Experimental value; 25 °C)
Bioaccumulative potential	Low potential for bioaccumulation (BCF < 500).
<b>styrene (100-42-5)</b> BCF fish 1	25.5 (DCE)
Log Pow	35.5 (BCF)  2.96 (Experimental value; OECD 107: Partition Coefficient (n-octanol/water): Shake Flask Method; 25 °C)
Bioaccumulative potential	Low potential for bioaccumulation (BCF < 500).
•	Low potential for bloacountulation (DOI > 500).
toluene (108-88-3) BCF fish 2	90 (BCF; 72 h; Leuciscus idus; Static system; Fresh water)
Log Pow	2.73 (Experimental value; Other; 20 °C)
Bioaccumulative potential	Low potential for bioaccumulation (BCF < 500).
1,2,4-trimethylbenzene (95-63-6)	
BCF fish 1	31 - 275 (BCF; Other; 8 weeks; Cyprinus carpio)
Log Pow	3.63 - 4.09 (Experimental value)
Bioaccumulative potential	Potential for bioaccumulation (4 ≥ Log Kow ≤ 5).
m-xylene (108-38-3)	
BCF fish 1	15 (BCF)
BCF fish 2	24 (BCF)
Log Pow	3.2 (Experimental value)
Bioaccumulative potential	Low potential for bioaccumulation (BCF < 500).
o-xylene (95-47-6)	
BCF fish 1	21.4 (BCF)
BCF fish 2	14.1 (BCF)
BCF other aquatic organisms 1	219 (BCF)
Log Pow	3.12 (Experimental value)
Bioaccumulative potential	Low potential for bioaccumulation (BCF < 500).

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BCF fish 1
Log Pow   3.15 (Experimental value)   Bioaccumulative potential   Low potential for bioaccumulation (BCF < 500):
Bioaccumulative potential
Bioaccumulative potential
BCF fish 1
BCF fish 1
Log Pow
Bioaccumulative potential   Low potential   Low potential for bioaccumulation (BCF < 500).
octane (111-65-9)           BCF fish 1         776 - 5129 (BCF)           BCF other aquatic organisms 1         198.7 (BCF; 105 minutes; Mytilus edulis; Static system; Salt water; Experimental value)           Log Pow         5.18 (Experimental value)           Bioaccumulative potential         High potential for bioaccumulation (BCF > 5000).           12.4.         Mobility in soil           benzene (71-43-2)           Surface tension         0.029 N/m (20 °C)           Log Koc         Koc,134.1; QSAR           decane (124-18-5)           Surface tension         0.023 N/m (25 °C)           ethylibenzene (100-41-4)         Surface tension           Log Koc         log Koc,PCKOCWIN v1.66; 2.71; Calculated value; Koc; PCKOCWIN v1.66; 517.8; Calculated value           hexane (110-54-3)           Surface tension         0.018 N/m (25 °C; 1 g/l)           Log Koc         Koc,2187.76; QSAR; log Koc; 3.34; QSAR           tert-Butyl Methyl Ether (MTBE) (1634-04-4)           Surface tension         0.02 N/m (20 °C)           n-pentane (190-66-0)           Surface tension         0.015 N/m (25 °C; 100 %; 0.013 N/m; 20 °C)           Log Koc         log Koc, 2.9; QSAR           styrene (100-42-5)           Surface tension         <
BCF fish 1
BCF other aquatic organisms 1
Log Pow   5.18 (Experimental value)   Bioaccumulative potential   High potential for bioaccumulation (BCF > 5000).
Bioaccumulative potential   High potential for bioaccumulation (BCF > 5000).
Denzene (71-43-2)   Surface tension   0.029 N/m (20 °C)     Log Koc   Koc,134.1; QSAR     Denzene (124-18-5)     Surface tension   0.023 N/m (25 °C)     ethylbenzene (100-41-4)     Surface tension   0.029 N/m     Log Koc   Value     Log Koc   Value
Surface tension   0.029 N/m (20 °C)
Surface tension   0.029 N/m (20 °C)
Log Koc   Koc,134.1; QSAR
Surface tension   0.023 N/m (25 °C)
Surface tension         0.023 N/m (25 °C)           ethylbenzene (100-41-4)         0.029 N/m           Surface tension         0.029 N/m           Log Koc         log Koc,PCKOCWIN v1.66; 2.71; Calculated value; Koc; PCKOCWIN v1.66; 517.8; Calculated value           hexane (110-54-3)           Surface tension         0.018 N/m (25 °C; 1 g/l)           Log Koc         Koc,2187.76; QSAR; log Koc; 3.34; QSAR           tert-Butyl Methyl Ether (MTBE) (1634-04-4)           Surface tension         0.02 N/m (20 °C)           n-pentane (109-66-0)           Surface tension         0.015 N/m (25 °C; 100 %; 0.013 N/m; 20 °C)           Log Koc         log Koc,2.9; QSAR           styrene (100-42-5)           Surface tension         0.032 N/m (19 °C)           Log Koc         Koc,352; Estimated value; log Koc; 2.55; Estimated value           toluene (108-88-3)           Surface tension         0.03 N/m (20 °C)           1,2,4-trimethylbenzene (95-63-6)           Surface tension         0.029 N/m           Log Koc         log Koc,3.04; Calculated value
Surface tension         0.023 N/m (25 °C)           ethylbenzene (100-41-4)         0.029 N/m           Surface tension         0.029 N/m           Log Koc         log Koc,PCKOCWIN v1.66; 2.71; Calculated value; Koc; PCKOCWIN v1.66; 517.8; Calculated value           hexane (110-54-3)           Surface tension         0.018 N/m (25 °C; 1 g/l)           Log Koc         Koc,2187.76; QSAR; log Koc; 3.34; QSAR           tert-Butyl Methyl Ether (MTBE) (1634-04-4)         Surface tension           Surface tension         0.02 N/m (20 °C)           n-pentane (109-66-0)         Surface tension           Surface tension         0.015 N/m (25 °C; 100 %; 0.013 N/m; 20 °C)           Log Koc         log Koc,2.9; QSAR           styrene (100-42-5)           Surface tension         0.032 N/m (19 °C)           Log Koc         Koc,352; Estimated value; log Koc; 2.55; Estimated value           toluene (108-88-3)         Surface tension           Surface tension         0.03 N/m (20 °C)           1,2,4-trimethylbenzene (95-63-6)         Surface tension           Log Koc         log Koc,3.04; Calculated value
Surface tension         0.029 N/m           Log Koc         log Koc,PCKOCWIN v1.66; 2.71; Calculated value; Koc; PCKOCWIN v1.66; 517.8; Calculated value           hexane (110-54-3)           Surface tension         0.018 N/m (25 °C; 1 g/l)           Log Koc         Koc,2187.76; QSAR; log Koc; 3.34; QSAR           tert-Butyl Methyl Ether (MTBE) (1634-04-4)           Surface tension         0.02 N/m (20 °C)           n-pentane (109-66-0)           Surface tension         0.015 N/m (25 °C; 100 %; 0.013 N/m; 20 °C)           Log Koc         log Koc,2.9; QSAR           styrene (100-42-5)           Surface tension         0.032 N/m (19 °C)           Log Koc         Koc,352; Estimated value; log Koc; 2.55; Estimated value           toluene (108-88-3)         Surface tension           Surface tension         0.03 N/m (20 °C)           1,2,4-trimethylbenzene (95-63-6)         Surface tension           Log Koc         log Koc,3.04; Calculated value
Surface tension         0.029 N/m           Log Koc         log Koc,PCKOCWIN v1.66; 2.71; Calculated value; Koc; PCKOCWIN v1.66; 517.8; Calculated value           hexane (110-54-3)           Surface tension         0.018 N/m (25 °C; 1 g/l)           Log Koc         Koc,2187.76; QSAR; log Koc; 3.34; QSAR           tert-Butyl Methyl Ether (MTBE) (1634-04-4)           Surface tension         0.02 N/m (20 °C)           n-pentane (109-66-0)           Surface tension         0.015 N/m (25 °C; 100 %; 0.013 N/m; 20 °C)           Log Koc         log Koc,2.9; QSAR           styrene (100-42-5)           Surface tension         0.032 N/m (19 °C)           Log Koc         Koc,352; Estimated value; log Koc; 2.55; Estimated value           toluene (108-88-3)         Surface tension           Surface tension         0.03 N/m (20 °C)           1,2,4-trimethylbenzene (95-63-6)         Surface tension           Log Koc         log Koc,3.04; Calculated value
Log Koc   Log Koc, PCKOCWIN v1.66; 2.71; Calculated value; Koc; PCKOCWIN v1.66; 517.8; Calculated value
value
Surface tension         0.018 N/m (25 °C; 1 g/l)           Log Koc         Koc,2187.76; QSAR; log Koc; 3.34; QSAR           tert-Butyl Methyl Ether (MTBE) (1634-04-4)           Surface tension         0.02 N/m (20 °C)           n-pentane (109-66-0)           Surface tension         0.015 N/m (25 °C; 100 %; 0.013 N/m; 20 °C)           Log Koc         log Koc,2.9; QSAR           styrene (100-42-5)           Surface tension         0.032 N/m (19 °C)           Log Koc         Koc,352; Estimated value; log Koc; 2.55; Estimated value           toluene (108-88-3)           Surface tension         0.03 N/m (20 °C)           1,2,4-trimethylbenzene (95-63-6)         Surface tension           Log Koc         log Koc,3.04; Calculated value
Surface tension         0.018 N/m (25 °C; 1 g/l)           Log Koc         Koc,2187.76; QSAR; log Koc; 3.34; QSAR           tert-Butyl Methyl Ether (MTBE) (1634-04-4)           Surface tension         0.02 N/m (20 °C)           n-pentane (109-66-0)           Surface tension         0.015 N/m (25 °C; 100 %; 0.013 N/m; 20 °C)           Log Koc         log Koc,2.9; QSAR           styrene (100-42-5)           Surface tension         0.032 N/m (19 °C)           Log Koc         Koc,352; Estimated value; log Koc; 2.55; Estimated value           toluene (108-88-3)           Surface tension         0.03 N/m (20 °C)           1,2,4-trimethylbenzene (95-63-6)         Surface tension           Log Koc         log Koc,3.04; Calculated value
Log Koc         Koc,2187.76; QSAR; log Koc; 3.34; QSAR           tert-Butyl Methyl Ether (MTBE) (1634-04-4)         O.02 N/m (20 °C)           surface tension         0.015 N/m (25 °C; 100 %; 0.013 N/m; 20 °C)           Log Koc         log Koc,2.9; QSAR           styrene (100-42-5)         Surface tension         0.032 N/m (19 °C)           Log Koc         Koc,352; Estimated value; log Koc; 2.55; Estimated value           toluene (108-88-3)         Surface tension         0.03 N/m (20 °C)           1,2,4-trimethylbenzene (95-63-6)         Surface tension         0.029 N/m           Log Koc         log Koc, 3.04; Calculated value
tert-Butyl Methyl Ether (MTBE) (1634-04-4)           Surface tension         0.02 N/m (20 °C)           n-pentane (109-66-0)         0.015 N/m (25 °C; 100 %; 0.013 N/m; 20 °C)           Log Koc         log Koc,2.9; QSAR           styrene (100-42-5)         0.032 N/m (19 °C)           Log Koc         Koc,352; Estimated value; log Koc; 2.55; Estimated value           toluene (108-88-3)         0.03 N/m (20 °C)           1,2,4-trimethylbenzene (95-63-6)         0.029 N/m           Surface tension         0.029 N/m           Log Koc         log Koc,3.04; Calculated value
Surface tension         0.02 N/m (20 °C)           n-pentane (109-66-0)         0.015 N/m (25 °C; 100 %; 0.013 N/m; 20 °C)           Log Koc         log Koc,2.9; QSAR           styrene (100-42-5)         Surface tension           Log Koc         Koc,352; Estimated value; log Koc; 2.55; Estimated value           toluene (108-88-3)         Surface tension           Surface tension         0.03 N/m (20 °C)           1,2,4-trimethylbenzene (95-63-6)         Surface tension           Log Koc         log Koc,3.04; Calculated value
n-pentane (109-66-0)           Surface tension         0.015 N/m (25 °C; 100 %; 0.013 N/m; 20 °C)           Log Koc         log Koc,2.9; QSAR           styrene (100-42-5)           Surface tension         0.032 N/m (19 °C)           Log Koc         Koc,352; Estimated value; log Koc; 2.55; Estimated value           toluene (108-88-3)         Surface tension           Surface tension         0.03 N/m (20 °C)           1,2,4-trimethylbenzene (95-63-6)         Surface tension           Log Koc         log Koc,3.04; Calculated value
Surface tension         0.015 N/m (25 °C; 100 %; 0.013 N/m; 20 °C)           Log Koc         log Koc,2.9; QSAR           styrene (100-42-5)           Surface tension         0.032 N/m (19 °C)           Log Koc         Koc,352; Estimated value; log Koc; 2.55; Estimated value           toluene (108-88-3)         Surface tension           Surface tension         0.03 N/m (20 °C)           1,2,4-trimethylbenzene (95-63-6)         Surface tension           Log Koc         log Koc,3.04; Calculated value
Log Koc         log Koc,2.9; QSAR           styrene (100-42-5)         0.032 N/m (19 °C)           Log Koc         Koc,352; Estimated value; log Koc; 2.55; Estimated value           toluene (108-88-3)         Surface tension         0.03 N/m (20 °C)           1,2,4-trimethylbenzene (95-63-6)         Surface tension         0.029 N/m           Log Koc         log Koc,3.04; Calculated value
styrene (100-42-5)           Surface tension         0.032 N/m (19 °C)           Log Koc         Koc,352; Estimated value; log Koc; 2.55; Estimated value           toluene (108-88-3)         Surface tension           Surface tension         0.03 N/m (20 °C)           1,2,4-trimethylbenzene (95-63-6)         Surface tension           Log Koc         log Koc,3.04; Calculated value
Surface tension         0.032 N/m (19 °C)           Log Koc         Koc,352; Estimated value; log Koc; 2.55; Estimated value           toluene (108-88-3)         Surface tension           Surface tension         0.03 N/m (20 °C)           1,2,4-trimethylbenzene (95-63-6)         Surface tension           Log Koc         log Koc,3.04; Calculated value
Log Koc Koc, 352; Estimated value; log Koc; 2.55; Estimated value  toluene (108-88-3)  Surface tension 0.03 N/m (20 °C)  1,2,4-trimethylbenzene (95-63-6)  Surface tension 0.029 N/m  Log Koc log Koc, 3.04; Calculated value
toluene (108-88-3)           Surface tension         0.03 N/m (20 °C)           1,2,4-trimethylbenzene (95-63-6)         0.029 N/m           Surface tension         0.029 N/m           Log Koc         log Koc,3.04; Calculated value
Surface tension 0.03 N/m (20 °C)  1,2,4-trimethylbenzene (95-63-6)  Surface tension 0.029 N/m  Log Koc log Koc,3.04; Calculated value
1,2,4-trimethylbenzene (95-63-6)           Surface tension         0.029 N/m           Log Koc         log Koc,3.04; Calculated value
Surface tension 0.029 N/m Log Koc log Koc,3.04; Calculated value
Log Koc log Koc,3.04; Calculated value
Ecology - soil May be harmful to plant growth, blooming and fruit formation.
m-xylene (108-38-3)
Ecology - soil May be harmful to plant growth, blooming and fruit formation.
o-xylene (95-47-6)
Surface tension 0.003 N/m (25 °C)
Ecology - soil May be harmful to plant growth, blooming and fruit formation.
p-xylene (106-42-3)  Ecology - soil  May be harmful to plant growth, blooming and fruit formation.
methanol (67-56-1)
Surface tension 0.023 N/m (20 °C)
Log Koc Koc,PCKOCWIN v1.66; 1; Calculated value
octane (111-65-9)
Surface tension 0.022 N/m
Log Koc Koc,SRC PCKOCWIN v2.0; 436.8; Calculated value; log Koc; SRC PCKOCWIN v2.0; 2.64;
Calculated value

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# 12.5. Results of PBT and vPvB assessment

No additional information available

12.6. 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 / RID / IMDG / IATA / ADN

14.1. UN number

UN-No. (ADR) : 1992 UN-No. (IATA) : 1992 UN-No. (IMDG) : 1992 UN-No. (ADN) : 1992

14.2. UN proper shipping name

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

Proper Shipping Name (IATA) : Flammable liquid, toxic, n.o.s.

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

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

Transport document description (ADR) : UN 1992 FLAMMABLE LIQUID, TOXIC, N.O.S., 3 (6.1), II, (D/E)

# 14.3. Packing group

Class (ADR) : 3 Classification code (ADR) : FT1 Class (IATA) : 3 Class (IMDG) : 3 Class (ADN) : 3 Classification code (ADN) : FT1 Subsidiary risk (ADR) : 6.1 Subsidiary risk (IMDG) : 6.1 Danger labels (ADR) : 3, 6.1



Hazard labels (IATA) : 3, 6.1



Danger labels (IMDG) : 3, 6.1



Danger labels (ADN) : 3, 6.1



14.4. Packing group

Packing group (ADR) : II
Packing group (IATA) : II

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Packing group (IMDG) : II
Packing group (ADN) : II

14.5. Environmental hazards

Other information : No supplementary information available.

14.6. Special precautions for user

# 14.6.1. Overland transport

Hazard identification number (Kemler No.) : 336 Classification code (ADR) : FT1

Orange plates :

336 1992

Special provisions (ADR) : 274

Transport category (ADR) : 2

Tunnel restriction code (ADR) : D/E

Limited quantities (ADR) : 11

Excepted quantities (ADR) : E2

### 14.6.2. Transport by sea

Special provisions (IMDG): 274Limited quantities (IMDG): 1 LExcepted quantities (IMDG): E2Packing instructions (IMDG): P001IBC packing instructions (IMDG): IBC02Tank instructions (IMDG): T7

Tank special provisions (IMDG) : TP2, TP13
EmS-No. (Fire) : F-E
EmS-No. (Spillage) : S-D
Stowage category (IMDG) : B

Properties and observations (IMDG) : Flammable toxic liquid which is not specified by name in this class or, on account of its

characteristics, in some other class. Toxic if swallowed, by skin contact or by inhalation.

# 14.6.3. Air transport

CAO packing instructions (IATA) 364 CAO max net quantity (IATA) : 60L PCA packing instructions (IATA) : 352 PCA Limited quantities (IATA) : Y341 PCA limited quantity max net quantity (IATA) : 1L PCA max net quantity (IATA) : 1L : E2 PCA Excepted quantities (IATA) Special provisions (IATA) : A3 ERG code (IATA) : 3HP

# 14.6.4. Inland waterway transport

Special provisions (ADN) : 274, 802
Limited quantities (ADN) : 1 L
Excepted quantities (ADN) : E2
Carriage permitted (ADN) : T

Equipment required (ADN) : PP, EP, EX, TOX, A Ventilation (ADN) : VE01, VE02

Number of blue cones/lights (ADN) : 2
Carriage prohibited (ADN) : No

14.7. Transport in bulk according to Annex II of MARPOL 73/78 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

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Contains no substance on the REACH candidate list

Contains no REACH Annex XIV substances

# 15.1.2. National regulations

No additional information available

15.2. Chemical safety assessment

No chemical safety assessment has been carried out

# **SECTION 16: Other information**

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.

Other information : None.

PHV SDS EU

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