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

1.1. Product identifier

Product form : Mixture
Trade name : GASOLINE
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 : Industrial use, Professional use
Use of the substance/mixture : Fuels
Further information: see exposure scenarios attached to this safety data sheet.

1.2.2. Uses advised against

No additional information available

1.3. Details of the supplier of the safety data sheet

Supplier

NIS a.d. Novi Sad
Narodnog Fronta 12
21000 Novi Sad - Serbia
T + 381 (0) 21 481 1111
Dragana.Cvetkov@nis.eu (REACH)

Only Representative

BENS Consulting d.o.o.
Špruha 19
1236 Trzin - Slovenija
T +386 41 979 800
info@bens-consulting.eu

1.4. Emergency telephone number

Emergency number : + 381 (0) 21 481 1111
Only available during office hours.

Country	Official advisory body	Address	Emergency number
Ireland	National Poisons Information Centre Beaumont Hospital	PO Box 1297 Beaumont Road 9 Dublin	+353 1 809 2566 (Healthcare professionals- 24/7) +353 1 809 2166 (public, 8am - 10pm, 7/7)

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

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

Flam. Liq. 1 H224
Skin Irrit. 2 H315
Muta. 1B H340
Carc. 1B H350
Repr. 2 H361
STOT SE 3 H336
Asp. Tox. 1 H304
Aquatic Chronic 2 H411

Full text of H- and EUH-statements: see section 16

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2.2. Label elements

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

Hazard pictograms (CLP)



Signal word

: Danger

Contains

: Gasoline

Hazard statements (CLP)

: H224 - Extremely flammable liquid and vapour.
H304 - May be fatal if swallowed and enters airways.
H315 - Causes skin irritation.
H336 - May cause drowsiness or dizziness.
H340 - May cause genetic defects.
H350 - May cause cancer.
H361fd - Suspected of damaging fertility. Suspected of damaging the unborn child.
H411 - Toxic to aquatic life with long lasting effects.

Precautionary statements (CLP)

: P201 - Obtain special instructions before use.
P210 - Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
P273 - Avoid release to the environment.
P280 - Wear protective gloves, protective clothing, eye protection, face protection.
P301+P310+P331 - IF SWALLOWED: Immediately call a doctor, a POISON CENTER. Do NOT induce vomiting.
P391 - Collect spillage.
P403+P233 - Store in a well-ventilated place. Keep container tightly closed.
P501 - Dispose of contents and container to an approved waste disposal plant.

Extra phrases

: Restricted to professional users.
except for fuel uses.

2.3. Other hazards

Other hazards

: Vapours can form explosive mixtures with air. Results of PBT and vPvB assessment : Not applicable. Product may release Hydrogen Sulphide: A specific assessment of inhalation risks from the presence of hydrogen sulphide in tank headspaces, confined spaces, product residue, tank waste and waste water, and unintentional releases should be made to help determine controls appropriate to local circumstances.

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

SECTION 3: Composition/information on ingredients

3.1. Substances

Not applicable

3.2. Mixtures

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Substance name	Product identifier	%	Classification according to Regulation (EC) No. 1272/2008 [CLP]
Gasoline	(CAS-No.) 86290-81-5 (EC-No.) 289-220-8 (EC Index) 649-378-00-4 (REACH-no) 01-2119471335-39-0169	≥ 86	Flam. Liq. 1, H224 Asp. Tox. 1, H304 Skin Irrit. 2, H315 Muta. 1B, H340 Carc. 1B, H350 STOT SE 3, H336 Aquatic Chronic 2, H411 Repr. 2, H361fd
tert-butyl methyl ether; MTBE; 2-methoxy-2-methylpropane	(CAS-No.) 1634-04-4 (EC-No.) 216-653-1 (EC Index) 603-181-00-X	≤ 14	Flam. Liq. 2, H225 Skin Irrit. 2, H315
Toluene	(CAS-No.) 108-88-3 (EC-No.) 203-625-9 (EC Index) 601-021-00-3	≥ 3	Flam. Liq. 2, H225 Skin Irrit. 2, H315 Repr. 2, H361d STOT SE 3, H336 STOT RE 2, H373 Asp. Tox. 1, H304
n-Hexane	(CAS-No.) 110-54-3 (EC-No.) 203-777-6 (EC Index) 601-037-00-0	≥ 3	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
benzene	(CAS-No.) 71-43-2 (EC-No.) 200-753-7 (EC Index) 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
methanol	(CAS-No.) 67-56-1 (EC-No.) 200-659-6 (EC Index) 603-001-00-X	< 1	Flam. Liq. 2, H225 Acute Tox. 3 (Oral), H301 Acute Tox. 3 (Dermal), H311 Acute Tox. 3 (Inhalation), H331 STOT SE 1, H370

Specific concentration limits:

Substance name	Product identifier	Specific concentration limits
n-Hexane	(CAS-No.) 110-54-3 (EC-No.) 203-777-6 (EC Index) 601-037-00-0	(5 ≤C < 100) STOT RE 2, H373
methanol	(CAS-No.) 67-56-1 (EC-No.) 200-659-6 (EC Index) 603-001-00-X	(3 ≤C < 10) STOT SE 2, H371 (10 ≤C < 100) STOT SE 1, H370

Full text of H- and EUH-statements: see section 16

SECTION 4: First aid measures

4.1. Description of first aid measures

Additional advice

: First aider: Pay attention to self-protection!. Concerning personal protective equipment to use, see section 8. Never give anything by mouth to an unconscious person. In case of doubt or persistent symptoms, consult always a physician. Show this safety data sheet to the doctor in attendance.

Inhalation

: Remove casualty to fresh air and keep warm and at rest. Give oxygen or artificial respiration if necessary. In case of doubt or persistent symptoms, consult always a physician.

Skin contact

: Remove contaminated clothing and shoes. Gently wash with plenty of soap and water. In case of doubt or persistent symptoms, consult always a physician.

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Eyes contact : Rinse immediately carefully and thoroughly with eye-bath or water. Remove contact lenses, if present and easy to do. Continue rinsing. In case of doubt or persistent symptoms, consult always a physician.

Ingestion : Rinse mouth thoroughly with water. Do NOT induce vomiting. Get immediate medical advice/attention.

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

Inhalation : May cause drowsiness or dizziness. Inhalation may cause central nervous system effects. The following symptoms may occur: Mental confusion. Cough. Headache. Nausea.

Skin contact : Causes skin irritation. The following symptoms may occur: Redness, pain. Repeated exposure may cause skin dryness or cracking.

Eyes contact : Contact with eyes may cause irritation. The following symptoms may occur: Redness, pain.

Ingestion : May be fatal if swallowed and enters airways.

Chronic symptoms : May cause genetic defects. May cause cancer. Suspected of damaging fertility. Suspected of damaging the unborn child.

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

Treat symptomatically.

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media : carbon dioxide (CO₂), powder, alcohol-resistant foam, water spray.

Unsuitable extinguishing media : Strong water jet.

5.2. Special hazards arising from the substance or mixture

Specific hazards : Extremely flammable liquid and vapour. Vapours may form explosive mixture with air. Vapours are heavier than air and may spread along floors. Vapours are heavier than air and may travel considerable distance to an ignition source and flash back to source of vapours. Heating will cause a rise in pressure with a risk of bursting.

Hazardous decomposition products in case of fire : Carbon oxides (CO, CO₂). Hydrogen sulfide. Sulphur oxides. Sulfuric acid.

5.3. Advice for firefighters

Firefighting instructions : Evacuate area. Use water spray or fog for cooling exposed containers. Contain the extinguishing fluids by bunding. Prevent fire fighting water from entering the environment.

Protection during firefighting : Do not attempt to take action without suitable protective equipment. Self-contained breathing apparatus.

Other information : Do not allow run-off from fire-fighting to enter drains or water courses. Dispose of waste in accordance with environmental legislation.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

6.1.1. For non-emergency personnel

For non-emergency personnel : Evacuate unnecessary personnel. Keep upwind. Provide adequate ventilation. Do not breathe vapours. Avoid contact with skin, eyes and clothing. Wear recommended personal protective equipment. Concerning personal protective equipment to use, see section 8. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Ensure equipment is adequately earthed. Use explosion-proof equipment. Use only non-sparking tools. Product may release Hydrogen Sulphide: A specific assessment of inhalation risks from the presence of hydrogen sulphide in tank headspaces, confined spaces, product residue, tank waste and waste water, and unintentional releases should be made to help determine controls appropriate to local circumstances.

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6.1.2. For emergency responders

For emergency responders : Ensure procedures and training for emergency decontamination and disposal are in place. Concerning personal protective equipment to use, see section 8.

6.2. Environmental precautions

Do not allow to enter into surface water or drains. Notify authorities if product enters sewers or public waters.

6.3. Methods and material for containment and cleaning up

Methods for cleaning up : Stop leak if safe to do so. Dam up the liquid spill. Small quantities of liquid spill: take up in non-combustible absorbent material and shovel into container for disposal. Recover large spills by pumping (use an explosion proof or hand pump). Place in a suitable container for disposal in accordance with the waste regulations (see Section 13). This material and its container must be disposed of in a safe way, and as per local legislation. Cover the spilled liquid product with foam to slow down evaporation.

6.4. Reference to other sections

Concerning personal protective equipment to use, see section 8. Concerning disposal elimination after cleaning, see section 13.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Precautions for safe handling : Provide adequate ventilation. Do not breathe vapours. Avoid contact with skin, eyes and clothing. Use personal protective equipment as required. Concerning personal protective equipment to use, see section 8. Take any precaution to avoid mixing with Incompatible materials, Refer to Section 10 on Incompatible Materials. Ensure proper process control to avoid excess waste discharge (temperature, concentration, pH, time). Avoid release to the environment. Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Ground/bond container and receiving equipment. Use explosion-proof equipment. Use only non-sparking tools. Product may release Hydrogen Sulphide: A specific assessment of inhalation risks from the presence of hydrogen sulphide in tank headspaces, confined spaces, product residue, tank waste and waste water, and unintentional releases should be made to help determine controls appropriate to local circumstances.

Hygiene measures : Keep good industrial hygiene. Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work. Do not eat, drink or smoke when using this product. Keep away from food, drink and animal feedingstuffs. Remove contaminated clothes. Separate working clothes from town clothes. Launder separately. Wash contaminated clothing before reuse.

7.2. Conditions for safe storage, including any incompatibilities

Storage conditions : Storage of flammable liquids. Store in a dry, cool and well-ventilated place. Do not store near or with any of the incompatible materials listed in section 10. Bund storage facilities to prevent soil and water pollution in the event of spillage. Take precautionary measures against static discharge.

Heat and ignition sources : Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Protect from sunlight.

Special rules on packaging : Containers which are opened should be properly resealed and kept upright to prevent leakage. Keep container tight closed. Keep in properly labelled containers.

Packaging materials : Keep only in the original container. Suitable material: Mild steel, Stainless steel. Unsuitable material: Synthetic material.

7.3. Specific end use(s)

Fuels.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

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tert-butyl methyl ether; MTBE; 2-methoxy-2-methylpropane (1634-04-4)		
EU	IOEL TWA	183,5 mg/m ³
EU	IOEL TWA [ppm]	50 ppm
EU	IOEL STEL	367 mg/m ³
EU	IOEL STEL [ppm]	100 ppm
Austria	MAK (OEL TWA)	180 mg/m ³
Austria	MAK (OEL TWA) [ppm]	50 ppm
Austria	MAK (OEL STEL)	360 mg/m ³
Austria	MAK (OEL STEL) [ppm]	100 ppm
Belgium	OEL TWA	146 mg/m ³
Belgium	OEL TWA [ppm]	40 ppm
Belgium	OEL STEL	367 mg/m ³
Belgium	OEL STEL [ppm]	100 ppm
Bulgaria	OEL TWA	183,5 mg/m ³
Bulgaria	OEL TWA [ppm]	50 ppm
Bulgaria	OEL STEL	367 mg/m ³
Bulgaria	OEL STEL [ppm]	100 ppm
Croatia	GVI (OEL TWA) [1]	183,5 mg/m ³
Croatia	GVI (OEL TWA) [2]	50 ppm
Croatia	KGVI (OEL STEL)	367 mg/m ³
Croatia	KGVI (OEL STEL) [ppm]	100 ppm
Cyprus	OEL TWA	183,5 mg/m ³
Cyprus	OEL TWA [ppm]	50 ppm
Cyprus	OEL STEL	367 mg/m ³
Cyprus	OEL STEL [ppm]	100 ppm
Czech Republic	PEL (OEL TWA)	100 mg/m ³
Denmark	OEL TWA [1]	144 mg/m ³
Denmark	OEL TWA [2]	40 ppm
Estonia	OEL TWA	183,5 mg/m ³
Estonia	OEL TWA [ppm]	50 ppm
Estonia	OEL STEL	367 mg/m ³
Estonia	OEL STEL [ppm]	100 ppm
Finland	HTP (OEL TWA) [1]	180 mg/m ³
Finland	HTP (OEL TWA) [2]	50 ppm
Finland	HTP (OEL STEL)	360 mg/m ³
Finland	HTP (OEL STEL) [ppm]	100 ppm
France	VME (OEL TWA)	183,5 mg/m ³ (restrictive limit)
France	VME (OEL TWA) [ppm]	50 ppm (restrictive limit)
France	VLE (OEL C/STEL)	367 mg/m ³ (restrictive limit)
France	VLE (OEL C/STEL) [ppm]	100 ppm (restrictive limit)
Germany	Occupational exposure limit value (mg/m ³) (TRGS900)	180 mg/m ³ (the risk of damage to the embryo or fetus can be excluded when AGW and BGW values are observed)
Germany	Occupational exposure limit value (ppm) (TRGS900)	50 ppm (the risk of damage to the embryo or fetus can be excluded when AGW and BGW values are observed)

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tert-butyl methyl ether; MTBE; 2-methoxy-2-methylpropane (1634-04-4)		
Gibraltar	OEL TWA	183,5 mg/m ³
Gibraltar	OEL TWA [ppm]	50 ppm
Gibraltar	OEL STEL	367 mg/m ³
Gibraltar	OEL STEL [ppm]	100 ppm
Greece	OEL TWA	183,5 mg/m ³
Greece	OEL TWA [ppm]	50 ppm
Greece	OEL STEL	367 mg/m ³
Greece	OEL STEL [ppm]	100 ppm
Hungary	AK (OEL TWA)	183,5 mg/m ³
Hungary	CK (OEL STEL)	367 mg/m ³
Ireland	OEL TWA [1]	183,5 mg/m ³
Ireland	OEL TWA [2]	50 ppm
Ireland	OEL STEL	367 mg/m ³
Ireland	OEL STEL [ppm]	100 ppm
Italy	OEL TWA	183,5 mg/m ³
Italy	OEL TWA [ppm]	50 ppm
Italy	OEL STEL	367 mg/m ³
Italy	OEL STEL [ppm]	100 ppm
Latvia	OEL TWA	183,5 mg/m ³
Latvia	OEL TWA [ppm]	50 ppm
Lithuania	IPRV (OEL TWA)	183,5 mg/m ³
Lithuania	IPRV (OEL TWA) [ppm]	50 ppm
Lithuania	TPRV (OEL STEL)	367 mg/m ³
Lithuania	TPRV (OEL STEL) [ppm]	100 ppm
Luxembourg	OEL TWA	183,5 mg/m ³
Luxembourg	OEL TWA [ppm]	50 ppm
Luxembourg	OEL STEL	367 mg/m ³
Luxembourg	OEL STEL [ppm]	100 ppm
Malta	OEL TWA	183,5 mg/m ³
Malta	OEL TWA [ppm]	50 ppm
Malta	OEL STEL	367 mg/m ³
Malta	OEL STEL [ppm]	100 ppm
Netherlands	TGG-8u (OEL TWA)	180 mg/m ³
Netherlands	TGG-15min (OEL STEL)	360 mg/m ³
Poland	NDS (OEL TWA)	180 mg/m ³
Poland	NDSch (OEL STEL)	270 mg/m ³
Portugal	OEL TWA	183,5 mg/m ³ (indicative limit value)
Portugal	OEL TWA [ppm]	50 ppm (indicative limit value)
Portugal	OEL STEL	367 mg/m ³ (indicative limit value)
Portugal	OEL STEL [ppm]	100 ppm (indicative limit value)
Romania	OEL TWA	183,5 mg/m ³
Romania	OEL TWA [ppm]	50 ppm

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tert-butyl methyl ether; MTBE; 2-methoxy-2-methylpropane (1634-04-4)		
Romania	OEL STEL	367 mg/m ³
Romania	OEL STEL [ppm]	100 ppm
Slovakia	NPHV (OEL TWA) [1]	183,5 mg/m ³
Slovakia	NPHV (OEL TWA) [2]	50 ppm
Slovakia	NPHV (OEL C)	367 mg/m ³
Slovenia	OEL TWA	183,5 mg/m ³
Slovenia	OEL TWA [ppm]	50 ppm
Slovenia	OEL STEL	367 mg/m ³
Slovenia	OEL STEL [ppm]	100 ppm
Spain	VLA-ED (OEL TWA) [1]	183,5 mg/m ³ (indicative limit value)
Spain	VLA-ED (OEL TWA) [2]	50 ppm (indicative limit value)
Spain	VLA-EC (OEL STEL)	367 mg/m ³
Spain	VLA-EC (OEL STEL) [ppm]	100 ppm
Sweden	NGV (OEL TWA)	110 mg/m ³
Sweden	NGV (OEL TWA) [ppm]	30 ppm
Sweden	KTV (OEL STEL)	367 mg/m ³
Sweden	KTV (OEL STEL) [ppm]	100 ppm
United Kingdom	WEL TWA (OEL TWA) [1]	183,5 mg/m ³
United Kingdom	WEL TWA (OEL TWA) [2]	50 ppm
United Kingdom	WEL STEL (OEL STEL)	367 mg/m ³
United Kingdom	WEL STEL (OEL STEL) [ppm]	100 ppm
Norway	Grenseverdi (OEL TWA) [1]	183,5 mg/m ³
Norway	Grenseverdi (OEL TWA) [2]	50 ppm
Norway	Korttidsverdi (OEL STEL)	367 mg/m ³ (value from the regulation)
Norway	Korttidsverdi (OEL STEL) [ppm]	100 ppm (value from the regulation)
Switzerland	MAK (OEL TWA) [1]	180 mg/m ³
Switzerland	MAK (OEL TWA) [2]	50 ppm
Switzerland	KZGW (OEL STEL)	270 mg/m ³
Switzerland	KZGW (OEL STEL) [ppm]	75 ppm
Australia	OES TWA [1]	92 mg/m ³
Australia	OES TWA [2]	25 ppm
Australia	OES STEL	275 mg/m ³
Australia	OES STEL [ppm]	75 ppm
Canada (Quebec)	VEMP (OEL TWA)	144 mg/m ³
Canada (Quebec)	VEMP (OEL TWA) [ppm]	40 ppm
USA - ACGIH	ACGIH OEL TWA [ppm]	50 ppm
Gasoline (86290-81-5)		
Belgium	OEL TWA	903 mg/m ³
Belgium	OEL TWA [ppm]	300 ppm
Belgium	OEL STEL	1501 mg/m ³
Belgium	OEL STEL [ppm]	500 ppm
Croatia	GVI (OEL TWA) [2]	300 ppm (low-boiling, unspecified)
Croatia	KGVI (OEL STEL) [ppm]	500 ppm

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Gasoline (86290-81-5)		
Czech Republic	PEL (OEL TWA)	400 mg/m ³ (Gasoline, technical mixture)
Estonia	OEL TWA	200 mg/m ³ (maximum permissible total hydrocarbon concentrations in the air (Petroleum))
Estonia	OEL STEL	300 mg/m ³ (maximum permissible total hydrocarbon concentrations in the air)
Ireland	OEL TWA [2]	300 ppm
Ireland	OEL STEL [ppm]	500 ppm
Lithuania	IPRV (OEL TWA)	200 mg/m ³ (table 2, limit values for hydrocarbons)
Lithuania	TPRV (OEL STEL)	300 mg/m ³ (table 2, limit values for hydrocarbons)
Netherlands	TGG-8u (OEL TWA)	240 mg/m ³
Netherlands	TGG-15min (OEL STEL)	480 mg/m ³
Portugal	OEL TWA [ppm]	300 ppm
Portugal	OEL STEL [ppm]	500 ppm
Spain	VLA-ED (OEL TWA) [2]	300 ppm (manufacturing, commercialization and use restrictions according to REACH)
Sweden	NGV (OEL TWA)	250 mg/m ³ (approximate value that can be used in preventive protection (Petroleum fuels))
Switzerland	MAK (OEL TWA) [1]	1100 mg/m ³
Switzerland	MAK (OEL TWA) [2]	300 ppm
Australia	OES TWA [1]	900 mg/m ³
USA - ACGIH	ACGIH OEL TWA [ppm]	300 ppm
USA - ACGIH	ACGIH OEL STEL [ppm]	500 ppm
methanol (67-56-1)		
EU	IOEL TWA	260 mg/m ³
EU	IOEL TWA [ppm]	200 ppm
EU	Remark	Possibility of significant uptake through the skin
Austria	MAK (OEL TWA)	260 mg/m ³
Austria	MAK (OEL TWA) [ppm]	200 ppm
Austria	MAK (OEL STEL)	1040 mg/m ³
Austria	MAK (OEL STEL) [ppm]	800 ppm
Belgium	OEL TWA	266 mg/m ³
Belgium	OEL TWA [ppm]	200 ppm
Belgium	OEL STEL	333 mg/m ³
Belgium	OEL STEL [ppm]	250 ppm
Bulgaria	OEL TWA	260 mg/m ³
Bulgaria	OEL TWA [ppm]	200 ppm
Croatia	GVI (OEL TWA) [1]	260 mg/m ³
Croatia	GVI (OEL TWA) [2]	200 ppm
Cyprus	OEL TWA	260 mg/m ³
Cyprus	OEL TWA [ppm]	200 ppm
Czech Republic	PEL (OEL TWA)	250 mg/m ³
Denmark	OEL TWA [1]	260 mg/m ³
Denmark	OEL TWA [2]	200 ppm
Estonia	OEL TWA	250 mg/m ³

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methanol (67-56-1)		
Estonia	OEL TWA [ppm]	200 ppm
Estonia	OEL STEL	350 mg/m ³
Estonia	OEL STEL [ppm]	250 ppm
Finland	HTP (OEL TWA) [1]	270 mg/m ³
Finland	HTP (OEL TWA) [2]	200 ppm
Finland	HTP (OEL STEL)	330 mg/m ³
Finland	HTP (OEL STEL) [ppm]	250 ppm
France	VME (OEL TWA)	260 mg/m ³ (restrictive limit)
France	VME (OEL TWA) [ppm]	200 ppm (restrictive limit)
France	VLE (OEL C/STEL)	1300 mg/m ³
France	VLE (OEL C/STEL) [ppm]	1000 ppm
Germany	Occupational exposure limit value (mg/m ³) (TRGS900)	130 mg/m ³ (the risk of damage to the embryo or fetus can be excluded when AGW and BGW values are observed)
Germany	Occupational exposure limit value (ppm) (TRGS900)	100 ppm (the risk of damage to the embryo or fetus can be excluded when AGW and BGW values are observed)
Germany	Biological limit value	15 mg/l Parameter: Methanol - Medium: urine - Sampling time: end of shift 15 mg/l Parameter: Methanol - Medium: urine - Sampling time: for long-term exposures: at the end of the shift after several shifts
Gibraltar	OEL TWA	260 mg/m ³
Gibraltar	OEL TWA [ppm]	200 ppm
Greece	OEL TWA	260 mg/m ³
Greece	OEL TWA [ppm]	200 ppm
Greece	OEL STEL	325 mg/m ³
Greece	OEL STEL [ppm]	250 ppm
Hungary	AK (OEL TWA)	260 mg/m ³
Ireland	OEL TWA [1]	260 mg/m ³
Ireland	OEL TWA [2]	200 ppm
Ireland	OEL STEL	780 mg/m ³ (calculated)
Ireland	OEL STEL [ppm]	600 ppm (calculated)
Italy	OEL TWA	260 mg/m ³
Italy	OEL TWA [ppm]	200 ppm
Latvia	OEL TWA	260 mg/m ³
Latvia	OEL TWA [ppm]	200 ppm
Lithuania	IPRV (OEL TWA)	260 mg/m ³
Lithuania	IPRV (OEL TWA) [ppm]	200 ppm
Luxembourg	OEL TWA	260 mg/m ³
Luxembourg	OEL TWA [ppm]	200 ppm
Malta	OEL TWA	260 mg/m ³
Malta	OEL TWA [ppm]	200 ppm
Netherlands	TGG-8u (OEL TWA)	133 mg/m ³

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methanol (67-56-1)		
Poland	NDS (OEL TWA)	100 mg/m ³
Poland	NDSch (OEL STEL)	300 mg/m ³
Portugal	OEL TWA	260 mg/m ³ (indicative limit value)
Portugal	OEL TWA [ppm]	200 ppm (indicative limit value)
Portugal	OEL STEL [ppm]	250 ppm
Romania	OEL TWA	260 mg/m ³
Romania	OEL TWA [ppm]	200 ppm
Slovakia	NPHV (OEL TWA) [1]	260 mg/m ³
Slovakia	NPHV (OEL TWA) [2]	200 ppm
Slovenia	OEL TWA	260 mg/m ³
Slovenia	OEL TWA [ppm]	200 ppm
Slovenia	OEL STEL	1040 mg/m ³
Slovenia	OEL STEL [ppm]	800 ppm
Spain	VLA-ED (OEL TWA) [1]	266 mg/m ³ (indicative limit value)
Spain	VLA-ED (OEL TWA) [2]	200 ppm (indicative limit value)
Sweden	NGV (OEL TWA)	250 mg/m ³
Sweden	NGV (OEL TWA) [ppm]	200 ppm
Sweden	KTV (OEL STEL)	350 mg/m ³
Sweden	KTV (OEL STEL) [ppm]	250 ppm
United Kingdom	WEL TWA (OEL TWA) [1]	266 mg/m ³
United Kingdom	WEL TWA (OEL TWA) [2]	200 ppm
United Kingdom	WEL STEL (OEL STEL)	333 mg/m ³
United Kingdom	WEL STEL (OEL STEL) [ppm]	250 ppm
Norway	Grenseverdi (OEL TWA) [1]	130 mg/m ³
Norway	Grenseverdi (OEL TWA) [2]	100 ppm
Norway	Korttidsverdi (OEL STEL)	162,5 mg/m ³ (value calculated)
Norway	Korttidsverdi (OEL STEL) [ppm]	150 ppm (value calculated)
Switzerland	MAK (OEL TWA) [1]	260 mg/m ³
Switzerland	MAK (OEL TWA) [2]	200 ppm
Switzerland	KZGW (OEL STEL)	520 mg/m ³
Switzerland	KZGW (OEL STEL) [ppm]	400 ppm
Australia	OES TWA [1]	262 mg/m ³
Australia	OES TWA [2]	200 ppm
Australia	OES STEL	328 mg/m ³
Australia	OES STEL [ppm]	250 ppm
Canada (Quebec)	VECD (OEL STEL)	328 mg/m ³
Canada (Quebec)	VECD (OEL STEL) [ppm]	250 ppm
Canada (Quebec)	VEMP (OEL TWA)	262 mg/m ³
Canada (Quebec)	VEMP (OEL TWA) [ppm]	200 ppm
USA - ACGIH	ACGIH OEL TWA [ppm]	200 ppm
USA - ACGIH	ACGIH OEL STEL [ppm]	250 ppm
USA - IDLH	IDLH [ppm]	6000 ppm

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methanol (67-56-1)		
USA - NIOSH	NIOSH REL TWA	260 mg/m ³
USA - NIOSH	NIOSH REL TWA [ppm]	200 ppm
USA - NIOSH	NIOSH REL STEL	325 mg/m ³
USA - NIOSH	NIOSH REL STEL [ppm]	250 ppm
USA - OSHA	OSHA PEL TWA [1]	260 mg/m ³
USA - OSHA	OSHA PEL TWA [2]	200 ppm

Additional information : Personal air monitoring. Concentration measurement in air. Recommended monitoring procedures : Room air monitoring

8.2. Exposure controls

Engineering measure(s) : Provide adequate ventilation. Organisational measures to prevent /limit releases, dispersion and exposure. See Section 7 for information on safe handling. Use only outdoors or in a well-ventilated area. Handle substance within a closed system. Emergency eye wash fountains and safety showers should be available in the immediate vicinity of any potential exposure. Take precautionary measures against static discharges. Ensure equipment is adequately earthed. Use explosion-proof machinery, apparatus, ventilation facilities, tools etc.

Personal protective equipment : The type of protective equipment must be selected according to the concentration and amount of the dangerous substance at the specific workplace.

Hand protection : Wear chemically resistant gloves (tested to EN374) . Suitable material: rubber gloves. NBR (Nitrile rubber). Breakthrough time : >360min. Thickness : Not determined. The quality of the protective gloves resistant to chemicals must be chosen as a function of the specific working place concentration and quantity of hazardous substances.

Eye protection : Use suitable eye protection (EN166): goggles

Body protection : Wear suitable coveralls to prevent exposure to the skin

Respiratory protection : In case of insufficient ventilation, wear suitable respiratory equipment. Filter type: A (EN 14387). Half-face mask (DIN EN 140). full face mask (DIN EN 136). Self-contained open-circuit compressed air breathing apparatus (EN 137). The filter class must be suitable for the maximum contaminant concentration (gas/vapour/aerosol/particulates) that may arise when handling the product. If the concentration is exceeded, self-contained breathing apparatus must be used.

Thermal hazard protection : Not required for normal conditions of use. Use dedicated equipment.

Environmental exposure controls : Do not allow to enter into surface water or drains. Comply with applicable Community environmental protection legislation. Avoid release to the environment.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state : Liquid

Appearance : Liquid.

Colour : Colourless.

Odour : petroleum hydrocarbon odour.

Odour threshold : No data available

pH : Not applicable

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

Melting / freezing point : No data available

Freezing point : No data available

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Initial boiling point and boiling range	: 35 – 210 °C
Flash point	: -40 °C
Auto-ignition temperature	: 280 – 470 °C
Decomposition temperature	: No data available
Flammability	: Not applicable, liquid
Vapour pressure	: 45 – 80 kPa
Vapour density	: No data available
Relative density	: 0,720 – 0,775 kg/m ³ (15°C)
Solubility	: Water: Insoluble
Partition coefficient n-octanol/water	: No data available
Kinematic viscosity	: < 1 mm ² /s (40°C)
Dynamic viscosity	: No data available
Explosive properties	: Not applicable. The study does not need to be conducted because there are no chemical groups associated with explosive properties present in the molecule.
Oxidising properties	: Not applicable. The classification procedure needs not to be applied because there are no chemical groups present in the molecule which are associated with oxidising properties.
Explosive limits	: 1,4 – 7,6 vol %
Particle size	: Not applicable
Particle size distribution	: Not applicable
Particle shape	: Not applicable
Particle aspect ratio	: Not applicable
Particle aggregation state	: Not applicable
Particle agglomeration state	: Not applicable
Particle specific surface area	: Not applicable
Particle dustiness	: Not applicable

9.2. Other information

9.2.1. Information with regard to physical hazard classes

No additional information available

9.2.2. Other safety characteristics

No additional information available

SECTION 10: Stability and reactivity

10.1. Reactivity

Extremely flammable liquid and vapour. Reference to other sections: 10.4 & 10.5.

10.2. Chemical stability

The product is stable under storage at normal ambient temperatures. Stable under normal conditions.

10.3. Possibility of hazardous reactions

Vapours may form explosive mixture with air.

10.4. Conditions to avoid

Avoid the build-up of electrostatic charge. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Protect from sunlight. See Section 7 for information on safe handling.

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10.5. Incompatible materials

oxidising substances. See Section 7 for information on safe handling.

10.6. Hazardous decomposition products

Reference to other sections 5.2.

SECTION 11: Toxicological information

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

Acute toxicity : Not classified (Based on available data, the classification criteria are not met)

benzene (71-43-2)	
LD50/oral/rat	> 2000 mg/kg
LD50/dermal/rabbit	> 8200 mg/kg
LC50/inhalation/4h/rat	44,66 mg/l/4h
Toluene (108-88-3)	
LD50/oral/rat	2600 mg/kg
LD50/dermal/rabbit	12000 mg/kg
LC50/inhalation/4h/rat	12,5 mg/l/4h
n-Hexane (110-54-3)	
LD50/oral/rat	25 g/kg
LD50/dermal/rabbit	3000 mg/kg
LC50/inhalation/4h/rat (ppm)	48000 ppm/4h
tert-butyl methyl ether; MTBE; 2-methoxy-2-methylpropane (1634-04-4)	
LD50/oral/rat	> 2000 mg/kg (OECD401)
LD50/dermal/rat	> 2000 mg/kg (OECD402)
LD50/dermal/rabbit	10000 mg/kg
LC50/inhalation/4h/rat	85 mg/l/4h
LC50 Inhalation - Rat (Vapours)	85 mg/l/4h (OECD403)
Gasoline (86290-81-5)	
LD50/oral/rat	14000 mg/kg
LD50/dermal/rat	> 2000 mg/kg
LD50/dermal/rabbit	> 2000 mg/kg
LC50/inhalation/4h/rat	> 5,2 mg/l (Exposure time: 4 h)
methanol (67-56-1)	
LD50/oral/rat	6200 mg/kg
LD50/dermal/rabbit	15840 mg/kg
LC50/inhalation/4h/rat (ppm)	22500 ppm (Exposure time: 8 h)

Skin corrosion/irritation : Causes skin irritation.

pH: Not applicable

Serious eye damage/irritation : Not classified (Based on available data, the classification criteria are not met)

pH: Not applicable

Respiratory or skin sensitisation : Not classified (Based on available data, the classification criteria are not met)

Germ cell mutagenicity : May cause genetic defects.

Benzene

Carcinogenicity : May cause cancer.

Benzene

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Reproductive toxicity : Suspected of damaging fertility or the unborn child.
n-Hexane :
Suspected of damaging fertility.
Toluene :
Suspected of damaging the unborn child.

STOT-single exposure : May cause drowsiness or dizziness.

Gasoline (86290-81-5)	
LOAEL, Inhalation, Rat, systemic	4320 mg/m ³ (1 hours) STOT (single exposure)

STOT-repeated exposure : Not classified (Based on available data, the classification criteria are not met)

tert-butyl methyl ether; MTBE; 2-methoxy-2-methylpropane (1634-04-4)	
NOAEL (oral, rat, 90 days)	209 mg/kg bodyweight/day

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

GASOLINE	
Kinematic viscosity	< 1 mm ² /s (40°C)

Other adverse effects : Suspected of damaging fertility or the unborn child. May cause cancer. May cause genetic defects.

Other information : Symptoms related to the physical, chemical and toxicological characteristics. For further information see section 4.

11.2. Information on other hazards

11.2.1. Endocrine disrupting properties

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

11.2.2 Other information

Other adverse effects : Suspected of damaging fertility or the unborn child, May cause cancer, May cause genetic defects.

Other information : Symptoms related to the physical, chemical and toxicological characteristics, For further information see section 4

SECTION 12: Ecological information

12.1. Toxicity

Environmental properties : Toxic 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) : Toxic to aquatic life with long lasting effects.

benzene (71-43-2)	
LC50 - Fish [1]	10,7 – 14,7 mg/l (Exposure time: 96 h - Species: Pimephales promelas [flow-through])
LC50 - Fish [2]	5,3 mg/l (Exposure time: 96 h - Species: Oncorhynchus mykiss [flow-through])
EC50 - Crustacea [1]	8,76 – 15,6 mg/l (Exposure time: 48 h - Species: Daphnia magna [Static])
EC50 - Crustacea [2]	10 mg/l (Exposure time: 48 h - Species: Daphnia magna)

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EC50 72h - Algae [1]	29 mg/l (Species: Pseudokirchneriella subcapitata)
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Toluene (108-88-3)

LC50 - Fish [1]	15,22 – 19,05 mg/l (Exposure time: 96 h - Species: Pimephales promelas [flow-through])
LC50 - Fish [2]	12,6 mg/l (Exposure time: 96 h - Species: Pimephales promelas [static])
EC50 - Crustacea [1]	5,46 – 9,83 mg/l (Exposure time: 48 h - Species: Daphnia magna [Static])
EC50 - Crustacea [2]	11,5 mg/l (Exposure time: 48 h - Species: Daphnia magna)
EC50 72h - Algae [1]	12,5 mg/l (Species: Pseudokirchneriella subcapitata [static])
EC50 96h - Algae [1]	> 433 mg/l (Species: Pseudokirchneriella subcapitata)

n-Hexane (110-54-3)

LC50 - Fish [1]	2,1 – 2,98 mg/l (Exposure time: 96 h - Species: Pimephales promelas [flow-through])
-----------------	---

tert-butyl methyl ether; MTBE; 2-methoxy-2-methylpropane (1634-04-4)

LC50 - Fish [1]	(96h) 672 mg/l Freshwater
LC50 - Fish [2]	(96h) 574 mg/l Marine water
EC50 - Crustacea [1]	472 mg/l Freshwater
EC50 - Crustacea [2]	106 mg/l Marine water
EC50 72h - Algae [1]	> 800 mg/l (Species: Desmodesmus subspicatus)
EC50 96h - Algae [1]	184 mg/l (Species: Pseudokirchneriella subcapitata)
ErC50 algae	491 mg/l
NOEC chronic fish	(21 d) 62 mg/l
NOEC chronic crustacea	51 mg/l Freshwater
NOEC chronic algae	103 mg/l
EC10, Pseudomonas putida	710 (18 hours, (Bringmann-Kühn test))

Gasoline (86290-81-5)

LC50 - Fish [1]	119 mg/l (Exposure time: 96 h - Species: Alburnus alburnus [static])
LC50 - Fish [2]	82 mg/l (Exposure time: 96 h - Species: Cyprinodon variegatus [static])
EC50 - Crustacea [1]	170 mg/l (Exposure time: 24 h - Species: Daphnia magna)
EC50 - Other aquatic organisms [1]	56 mg/l (Exposure time: 72 h - Species: Pseudokirchneriella subcapitata)
EC50 72h - Algae [1]	56 mg/l (Species: Pseudokirchneriella subcapitata)

methanol (67-56-1)

LC50 - Fish [1]	28200 mg/l (Exposure time: 96 h - Species: Pimephales promelas [flow-through])
LC50 - Fish [2]	> 100 mg/l (Exposure time: 96 h - Species: Pimephales promelas [static])
EC50 - Crustacea [1]	> 10000 mg/l (48h - Daphnia magna - DIN 38412 TEIL 11)
EC50 - Other aquatic organisms [1]	22000 mg/l (96h - Pseudokirchnerella subcapitata - OECD 201)
NOEC(200h), fish, Chronic, Oryzias latipes (Ricefish)	7900 mg/l

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12.2. Persistence and degradability

GASOLINE	
Persistence and degradability	Gasoline. Substance is complex UVCB. Not applicable.
Gasoline (86290-81-5)	
Persistence and degradability	Substance is complex UVCB.

12.3. Bioaccumulative potential

GASOLINE	
Partition coefficient n-octanol/water	No data available
Bioaccumulative potential	Gasoline. Substance is complex UVCB. Not applicable.

benzene (71-43-2)	
BCF - Fish [1]	3,5 – 4,4
Partition coefficient n-octanol/water	2,1

Toluene (108-88-3)	
Partition coefficient n-octanol/water	2,73 (at 20 °C (at pH 7)

n-Hexane (110-54-3)	
Partition coefficient n-octanol/water	4 (at 20 °C (at pH 7)

tert-butyl methyl ether; MTBE; 2-methoxy-2-methylpropane (1634-04-4)	
BCF - Fish [1]	(no bioaccumulation expected)
Bioconcentration factor (BCF)	1,5
Partition coefficient n-octanol/water	1,06 (20 °C)

Gasoline (86290-81-5)	
Bioaccumulative potential	Substance is complex UVCB.

methanol (67-56-1)	
BCF - Fish [1]	(10 dimensionless)
Partition coefficient n-octanol/water	-0,77

12.4. Mobility in soil

GASOLINE	
Mobility in soil	No data available
Ecology - soil	No data available.

tert-butyl methyl ether; MTBE; 2-methoxy-2-methylpropane (1634-04-4)	
Surface tension	72,5 mN/m (21.5 °C, 1.07 g/L)

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12.5. Results of PBT and vPvB assessment

GASOLINE	
Results of PBT assessment	This mixture contains no substance considered to be persistent, bioaccumulating nor toxic (PBT). This mixture contains no substance considered to be very persistent nor very bioaccumulating (vPvB).

12.6. Endocrine disrupting properties

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

12.7. Other adverse effects

Other adverse effects : No data available

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Product/Packaging disposal recommendations : Avoid release to the environment. Dispose of empty containers and wastes safely. See Section 7 for information on safe handling. Refer to manufacturer/supplier for information on recovery/recycling. Recycling is preferred to disposal or incineration. If recycling is not possible, eliminate in accordance with local valid waste disposal regulations. Handle contaminated packages in the same way as the substance itself. Dispose of contaminated materials in accordance with current regulations. Packaging contaminated by the product : Do not pierce or burn, even after use. Never use pressure to empty container.

European waste catalogue (2001/573/EC, 75/442/EEC, 91/689/EEC) : This material and its container must be disposed of as hazardous waste
Waste codes should be assigned by the user, preferably in discussion with the waste disposal authorities
The following Waste Codes are only suggestions:
130702 - petrol
150110 - packaging containing residues of or contaminated by dangerous substances

SECTION 14: Transport information

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

ADR	IMDG	IATA	ADN	RID
14.1. UN number				
1203	1203	1203	1203	1203
14.2. UN proper shipping name				
GASOLINE	GASOLINE	Gasoline	GASOLINE	GASOLINE
Transport document description				
UN 1203 GASOLINE, 3, II, (D/E), ENVIRONMENTALLY HAZARDOUS	UN 1203 GASOLINE, 3, II, MARINE POLLUTANT/ENVIRONMENTALLY HAZARDOUS	UN 1203 Gasoline, 3, II, ENVIRONMENTALLY HAZARDOUS	UN 1203 GASOLINE, 3, II, ENVIRONMENTALLY HAZARDOUS	UN 1203 GASOLINE, 3, II, ENVIRONMENTALLY HAZARDOUS
14.3. Transport hazard class(es)				
3	3	3	3	3

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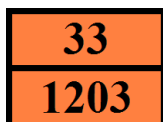
ADR	IMDG	IATA	ADN	RID
 	 	 	 	 
14.4. Packing group				
II	II	II	II	II
14.5. Environmental hazards				
Dangerous for the environment : Yes	Dangerous for the environment : Yes Marine pollutant : Yes	Dangerous for the environment : Yes	Dangerous for the environment : Yes	Dangerous for the environment : Yes
No supplementary information available				

14.6. Special precautions for user

Special precautions for user : No data available

- Overland transport

Classification code (ADR) : F1
 Special provisions : 243, 534, 664
 Limited quantities (ADR) : 1I
 Excepted quantities (ADR) : E2
 Packing instructions (ADR) : P001, IBC02, R001
 Special packing provisions (ADR) : BB2
 Mixed packing provisions (ADR) : MP19
 Portable tank and bulk container instructions (ADR) : T4
 Portable tank and bulk container special provisions (ADR) : TP1
 Tank code (ADR) : LGBF
 Tank special provisions (ADR) : TU9
 Vehicle for tank carriage : FL
 Transport category (ADR) : 2
 Special provisions for carriage - Operation (ADR) : S2, S20
 Hazard identification number (Kemler No.) : 33
 Orange plates :



Tunnel restriction code : D/E
 EAC code : 3YE

- Transport by sea

Special provisions (IMDG) : 243
 Limited quantities (IMDG) : 1 L
 Excepted quantities (IMDG) : E2
 Packing instructions (IMDG) : P001
 IBC packing instructions (IMDG) : IBC02
 Tank instructions (IMDG) : T4
 Tank special provisions (IMDG) : TP1

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EmS-No. (Fire) : F-E
 EmS-No. (Spillage) : S-E
 Stowage category (IMDG) : E
 Properties and observations (IMDG) : Immiscible with water.

- Air transport

PCA Excepted quantities (IATA) : E2
 PCA Limited quantities (IATA) : Y341
 PCA limited quantity max net quantity (IATA) : 1L
 PCA packing instructions (IATA) : 353
 PCA max net quantity (IATA) : 5L
 CAO packing instructions (IATA) : 364
 CAO max net quantity (IATA) : 60L
 Special provisions (IATA) : A100
 ERG code (IATA) : 3H

- Inland waterway transport

Classification code (ADN) : F1
 Special provisions (ADN) : 243, 534
 Limited quantities (ADN) : 1 L
 Excepted quantities (ADN) : E2
 Carriage permitted (ADN) : T
 Equipment required (ADN) : PP, EX, A
 Ventilation (ADN) : VE01
 Number of blue cones/lights (ADN) : 1

- Rail transport

Classification code (RID) : F1
 Special provisions (RID) : 243, 534
 Limited quantities (RID) : 1L
 Excepted quantities (RID) : E2
 Packing instructions (RID) : P001, IBC02, R001
 Special packing provisions (RID) : BB2
 Mixed packing provisions (RID) : MP19
 Portable tank and bulk container instructions (RID) : T4
 Portable tank and bulk container special provisions (RID) : TP1
 Tank codes for RID tanks (RID) : LGBF
 Special provisions for RID tanks (RID) : TU9
 Transport category (RID) : 2
 Colis express (express parcels) (RID) : CE7
 Hazard identification number (RID) : 33

14.7. Maritime transport in bulk according to IMO instruments

Code: IBC : No data available.

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SECTION 15: Regulatory information

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

15.1.1. EU-Regulations

The following restrictions are applicable according to Annex XVII of the REACH Regulation (EC) No 1907/2006:

5. Benzene	benzene
28. Substances which are classified as carcinogen category 1A or 1B in Part 3 of Annex VI to Regulation (EC) No 1272/2008 and are listed in Appendix 1 or Appendix 2, respectively.	benzene ; Gasoline
29. Substances which are classified as germ cell mutagen category 1A or 1B in Part 3 of Annex VI to Regulation (EC) No 1272/2008 and are listed in Appendix 3 or Appendix 4, respectively.	benzene ; Gasoline
3(a) Substances or mixtures fulfilling the criteria for any of the following hazard classes or categories set out in Annex I to Regulation (EC) No 1272/2008: Hazard classes 2.1 to 2.4, 2.6 and 2.7, 2.8 types A and B, 2.9, 2.10, 2.12, 2.13 categories 1 and 2, 2.14 categories 1 and 2, 2.15 types A to F	GASOLINE ; benzene ; Toluene ; n-Hexane ; tert-butyl methyl ether; MTBE; 2-methoxy-2-methylpropane ; Gasoline ; methanol
3(b) Substances or mixtures fulfilling the criteria for any of the following hazard classes or categories set out in Annex I to Regulation (EC) No 1272/2008: Hazard classes 3.1 to 3.6, 3.7 adverse effects on sexual function and fertility or on development, 3.8 effects other than narcotic effects, 3.9 and 3.10	GASOLINE ; benzene ; Toluene ; n-Hexane ; tert-butyl methyl ether; MTBE; 2-methoxy-2-methylpropane ; Gasoline ; methanol
3(c) Substances or mixtures fulfilling the criteria for any of the following hazard classes or categories set out in Annex I to Regulation (EC) No 1272/2008: Hazard class 4.1	GASOLINE ; n-Hexane ; Gasoline
40. Substances classified as flammable gases category 1 or 2, flammable liquids categories 1, 2 or 3, flammable solids category 1 or 2, substances and mixtures which, in contact with water, emit flammable gases, category 1, 2 or 3, pyrophoric liquids category 1 or pyrophoric solids category 1, regardless of whether they appear in Part 3 of Annex VI to Regulation (EC) No 1272/2008 or not.	GASOLINE ; benzene ; Toluene ; n-Hexane ; tert-butyl methyl ether; MTBE; 2-methoxy-2-methylpropane ; Gasoline ; methanol
48. Toluene	Toluene
69. Methanol	methanol
72. The substances listed in column 1 of the Table in Appendix 12	benzene

Contains no substance on the REACH candidate list

Contains no REACH Annex XIV substances

15.1.2. National regulations

France

No ICPE	Installations classées Désignation de la rubrique	Code Régime	Rayon
4734.text	Produits pétroliers spécifiques et carburants de substitution : essences et naphtas ; kérosènes (carburants d'aviation compris) ; gazoles (gazole diesel, gazole de chauffage domestique et mélanges de gazoles compris) ; fioul lourd ; carburants de substitution pour véhicules, utilisés aux mêmes fins et aux mêmes usages et présentant des propriétés similaires en matière d'inflammabilité et de danger pour l'environnement. La quantité totale susceptible d'être présente dans les installations y compris dans les cavités souterraines étant :		
4734.1a	1. Pour les cavités souterraines et les stockages enterrés : a) Supérieure ou égale à 2 500 t Quantité seuil bas au sens de l'article R. 511-10 : 2 500 t. Quantité seuil haut au sens de l'article R. 511-10 : 25 000 t.	A	
4734.1b	1. Pour les cavités souterraines et les stockages enterrés : b) Supérieure ou égale à 1 000 t mais inférieure à 2 500 t Quantité seuil bas au sens de l'article R. 511-10 : 2 500 t. Quantité seuil haut au sens de l'article R. 511-10 : 25 000 t.	E	2

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4734.1c	1. Pour les cavités souterraines et les stockages enterrés : c) Supérieure ou égale à 50 t d'essence ou 250 t au total, mais inférieure à 1 000 t au total Quantité seuil bas au sens de l'article R. 511-10 : 2 500 t. Quantité seuil haut au sens de l'article R. 511-10 : 25 000 t.	DC	2
4734.2a	2. Pour les autres stockages : a) Supérieure ou égale à 1 000 t Quantité seuil bas au sens de l'article R. 511-10 : 2 500 t. Quantité seuil haut au sens de l'article R. 511-10 : 25 000 t.	A	2
4734.2b	2. Pour les autres stockages : b) Supérieure ou égale à 100 t d'essence ou 500 t au total, mais inférieure à 1 000 t au total Quantité seuil bas au sens de l'article R. 511-10 : 2 500 t. Quantité seuil haut au sens de l'article R. 511-10 : 25 000 t.	E	2
4734.2c	2. Pour les autres stockages : c) Supérieure ou égale à 50 t au total, mais inférieure à 100 t d'essence et inférieure à 500 t au total Quantité seuil bas au sens de l'article R. 511-10 : 2 500 t. Quantité seuil haut au sens de l'article R. 511-10 : 25 000 t.	DC	2

Germany

Regulatory reference	: WGK 3, Highly hazardous to water (Classification according to AwSV, Annex 1)
German storage class (LGK)	: LGK 3 - Flammable liquids
Hazardous Incident Ordinance (12. BImSchV)	: Listed in the 12. BImSchV (Annex I) under: 2.3.3 Gasöle Quantity threshold for operational area under § 1 para. 1 - Sentence 1: 2500000 kg - Sentence 2: 25000000 kg

Netherlands

Waterbezwaarlijkheid	: categorie Z(1) - niet-afbreekbare stoffen met gevaarlijke eigenschappen voor mens en milieu (carcinogeniteit/ mutageniteit/ reprotoxiciteit/ bioaccumulerend vermogen/ toxiciteit of persistentie)
SZW-lijst van kankerverwekkende stoffen	: benzene,Gasoline are listed
SZW-lijst van mutagene stoffen	: benzene,Gasoline are listed
SZW-lijst van reprotoxische stoffen – Borstvoeding	: None of the components are listed
SZW-lijst van reprotoxische stoffen – Vruchtbaarheid	: n-Hexane is listed
SZW-lijst van reprotoxische stoffen – Ontwikkeling	: Toluene,methanol are listed

Denmark

Classification remarks	: Emergency management guidelines for the storage of flammable liquids must be followed
Recommendations Danish Regulation	: 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

Not applicable

For the following substances of this mixture a chemical safety assessment has been carried out
tert-butyl methyl ether; MTBE; 2-methoxy-2-methylpropane Gasoline methanol

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SECTION 16: Other information

Indication of changes:

1.2	Main use category	Added	
2.2	Contains	Added	
2.2	Precautionary statements (CLP)	Modified	
2.2	Extra phrases	Added	
2.3	ED text	Added	
5.2	Hazardous decomposition products in case of fire	Added	
5.3	Protection during firefighting	Added	
5.3	Other information	Added	
6.1	For non-emergency personnel	Added	
7.1	Precautions for safe handling	Modified	
7.2	Heat and ignition sources	Added	
7.2	Special rules on packaging	Added	
9.2	Information with regard to physical hazard classes	Added	
9.2	Other safety characteristics	Added	
11.2	Adverse health effects caused by endocrine disrupting properties	Added	
12.6	Adverse effects on the environment caused by endocrine disrupting properties	Added	
14.7	Maritime transport in bulk according to IMO instruments	Added	
15.1	Installations classées	Added	
15.1	German storage class (LGK)	Added	
15.1	Waterbezwaarlijkheid	Added	
16	Other information		
	Exposure scenarios		

Abbreviations and acronyms:

ADN = Accord Européen relatif au Transport International des Marchandises Dangereuses par voie de Navigation du Rhin
ADR = Accord européen relatif au transport international des marchandises Dangereuses par Route
CLP = Classification, Labelling and Packaging Regulation according to 1272/2008/EC
IATA = International Air Transport Association
IMDG = International Maritime Dangerous Goods Code
LEL = Lower Explosive Limit/Lower Explosion Limit
UEL = Upper Explosion Limit/Upper Explosive Limit
REACH = Registration, Evaluation, Authorisation and Restriction of Chemicals
N = Dangerous for the environment
TWA = time weighted average
vPvB = very persistent and very bioaccumulating
WGK = Wassergefährdungsklasse (Water Hazard Class under German Federal Water Management Act)
T = Toxic
TLV = Threshold limits
STEL = Short term exposure limit

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	DNEL = Derived No Effect Level
	CSR = Chemical Safety Report
	EC50 = Median Effective Concentration
	ABM = Algemene beoordelingsmethodiek
	BTT = Breakthrough time (maximum wearing time)
	DMEL = Derived Minimal Effect level
	EL50 = Median effective level
	ErC50 = EC50 in terms of reduction of growth rate
	ErL50 = EL50 in terms of reduction of growth rate
	EWC = European waste catalogue
	LC50 = Median lethal concentration
	LD50 = Median lethal dose
	LL50 = Median lethal level
	NA = Not applicable
	NOEC = No observed effect concentration
	NOEL: no-observed-effect level
	NOELR = No observed effect loading rate
	NOAEC = No observed adverse effect concentration
	NOAEL = No observed adverse effect level
	N.O.S. = Not Otherwise Specified
	OEL = Occupational Exposure Limits - Short Term Exposure Limits (STELs)
	PNEC = Predicted No Effect Concentration
	Quantitative structure-activity relationship (QSAR)
	STOT = Specific Target Organ Toxicity
	VOC = Volatile organic compounds

Sources of key data used to compile the datasheet : European Chemicals Bureau CSR, ECHA Website.

Training advice : Training staff on good practice. Manipulations are to be done only by qualified and authorised persons.

Full text of H- and EUH-statements:

	Restricted to professional users
Acute Tox. 3 (Dermal)	Acute toxicity (dermal), Category 3
Acute Tox. 3 (Inhalation)	Acute toxicity (inhal.), Category 3
Acute Tox. 3 (Oral)	Acute toxicity (oral), Category 3
Aquatic Chronic 2	Hazardous to the aquatic environment – Chronic Hazard, Category 2
Asp. Tox. 1	Aspiration hazard, Category 1
Carc. 1A	Carcinogenicity, Category 1A
Carc. 1B	Carcinogenicity, Category 1B
Eye Irrit. 2	Serious eye damage/eye irritation, Category 2
Flam. Liq. 1	Flammable liquids, Category 1
Flam. Liq. 2	Flammable liquids, Category 2
H224	Extremely flammable liquid and vapour.
H225	Highly flammable liquid and vapour.
H301	Toxic if swallowed.
H304	May be fatal if swallowed and enters airways.
H311	Toxic in contact with skin.

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H315	Causes skin irritation.
H319	Causes serious eye irritation.
H331	Toxic if inhaled.
H336	May cause drowsiness or dizziness.
H340	May cause genetic defects.
H350	May cause cancer.
H361	Suspected of damaging fertility or the unborn child.
H361d	Suspected of damaging the unborn child.
H361f	Suspected of damaging fertility.
H361fd	Suspected of damaging fertility. Suspected of damaging the unborn child.
H370	Causes damage to organs.
H371	May cause damage to organs.
H372	Causes damage to organs through prolonged or repeated exposure.
H373	May cause damage to organs through prolonged or repeated exposure.
H411	Toxic to aquatic life with long lasting effects.
Muta. 1B	Germ cell mutagenicity, Category 1B
Repr. 2	Reproductive toxicity, Category 2
Skin Irrit. 2	Skin corrosion/irritation, Category 2
STOT RE 1	Specific target organ toxicity – Repeated exposure, Category 1
STOT RE 2	Specific target organ toxicity – Repeated exposure, Category 2
STOT SE 1	Specific target organ toxicity – single exposure, Category 1
STOT SE 2	Specific target organ toxicity – Single exposure, Category 2
STOT SE 3	Specific target organ toxicity – Single exposure, Category 3, Narcosis

according to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2020/878

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

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

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