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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/designation : 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

Use of the substance/mixture : Fuels

1.2.2. Uses advised against

No data available

1.3. Details of the supplier of the safety data sheet

Trafigura Ventures V.B.V.
Evert van de Beekstraat 1-82
The Base, Tower B - 5th Floor
1118 CL Schiphol - The Netherlands
T +31 20 504 1800
TrafiguraReach@trafigura.com

1.4. Emergency telephone number

Emergency number : +32 3 575 03 30
This telephone number is available 24 hours per day, 7 days per week.

Country	Official advisory body	Address	Emergency number
Ireland	National Poisons Information Centre Beaumont Hospital	Beaumont Hospital Beaumont Road 9 Dublin	+353 1 809 21 66 (public, 8am - 10pm, 7/7) +353 01 809 2566 (Professionals, 24/7)
United Kingdom	National Poisons Information Service (Newcastle Centre) Regional Drugs and Therapeutics Centre, Wolfson Unit	Claremont Place Newcastle-upon-Tyne NE1 4LP Newcastle	0844 892 0111 (UK only, 24/7, healthcare professionals only)


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 H361fd
STOT SE 3 H336
Asp. Tox. 1 H304
Aquatic Chronic 2 H411

Full text of H statements : see section 16

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

Carc.Cat.2; R45
 F+; R12
 Muta.Cat.2; R46
 Xi; R38
 N; R51/53
 Repr.Cat.3; R62
 Repr.Cat.3; R63
 Xn; R65
 R67

Full text of R-phrases: see section 16

2.2. Label elements

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

Hazard pictograms (CLP) :



Signal word :

Danger

Hazardous ingredients :

Gasoline

Hazard statements (CLP) :

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.
 P273 - Avoid release to the environment.
 P280 - Wear eye protection, face protection, protective clothing, protective gloves.
 P301+P310+P331 - IF SWALLOWED: Immediately call a doctor, a POISON CENTER. Do NOT induce vomiting.
 P308+P313 - IF exposed or concerned: Get medical advice.
 P405 - Store locked up.

2.3. Other hazards

Other hazards :


PBT/vPvB data. This information is not available.

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 Directive 67/548/EEC	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	85 - 100	F+; R12 Xi; R38 Carc.Cat.1; R45 Muta.Cat.1; R46 Repr.Cat.3; R62 Repr.Cat.3; R63 Xn; R65 R67 N; R51/53	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 (REACH-no) 01-2119452786-27	0 - 15	F; R11 Xi; R38	Flam. Liq. 2, H225 Skin Irrit. 2, H315
methanol	(CAS-No.) 67-56-1 (EC-No.) 200-659-6 (EC Index) 603-001-00-X (REACH-no) 01-2119433307-44	< 0,15	F; R11 T; R23/24/25 T; R39/23/24/25	Flam. Liq. 2, H225 Acute Tox. 3 (Inhalation), H331 Acute Tox. 3 (Dermal), H311 Acute Tox. 3 (Oral), H301 STOT SE 1, H370

Specific concentration limits:

Substance name	Product identifier	Specific concentration limits: DSD/DPD	Specific concentration limits: CLP
methanol	(CAS-No.) 67-56-1 (EC-No.) 200-659-6 (EC Index) 603-001-00-X (REACH-no) 01-2119433307-44		(3 =<C < 10) STOT SE 2, H371 (C >= 10) STOT SE 1, H370

Full text of R- and H-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. See also section 8 . Never give anything by mouth to an unconscious person. Show this safety data sheet to the doctor in attendance. Treat symptomatically. In case of doubt or persistent symptoms, consult always a physician.
- Inhalation : Keep at rest. Provide fresh air. Give oxygen or artificial respiration if necessary. Call a physician immediately.
- Skin contact : Take off immediately all contaminated clothing. Wash with plenty of water/. Wash contaminated clothing before reuse. In case of doubt or persistent symptoms, consult always a physician.
- Eyes contact : Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. If eye irritation persists: Get medical advice/attention.
- Ingestion : Do NOT induce vomiting. Rinse mouth immediately and drink plenty of water. Never give anything by mouth to an unconscious person. Get medical advice/attention.

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

- Inhalation : The following symptoms may occur: Vapours may cause drowsiness and dizziness. Mental confusion. Cough. Headache .
- Skin contact : Irritating to skin. The following symptoms may occur: erythema (redness).
- Eyes contact : Contact with eyes may cause irritation.
- Ingestion : Harmful: may cause lung damage if swallowed.

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

No data available

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SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media : Water spray, Alcohol resistant foam, Carbon dioxide, Dry extinguishing powder.
 Unsuitable extinguishing media : Strong water jet.

5.2. Special hazards arising from the substance or mixture

Specific hazards : Heating causes rise in pressure with risk of bursting. 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. Do not allow run-off from fire-fighting to enter drains or water courses.

Hazardous decomposition products in case of fire : Carbon oxides (CO, CO₂).

5.3. Advice for firefighters

Firefighting instructions : Evacuate personnel to a safe area. Special protective equipment for firefighters. . In case of fire: Wear self-contained breathing apparatus. Use water spray or fog for cooling exposed containers. Collect contaminated fire extinguishing water separately. This must not be discharged into drains.

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 personnel to a safe area. Stay upwind/keep distance from source. Provide adequate ventilation. Use personal protective equipment as required. Concerning personal protective equipment to use, see section 8. Avoid contact with skin and eyes. Do not breathe vapour/aerosol. 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.

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.

6.3. Methods and material for containment and cleaning up

Methods for cleaning up : Stop leak if safe to do so. Dam up. Take up liquid spill into absorbent material, e.g.: sand, earth, vermiculite or powdered limestone. Collect in closed and suitable containers for disposal. Recover large spills by pumping (use an explosion proof or hand pump). Dispose of as special waste in compliance with local and national regulations. Site should have a spill plan to ensure that adequate safeguards are in place to minimize the impact of episodic releases.

6.4. Reference to other sections

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

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SECTION 7: Handling and storage

7.1. Precautions for safe handling

- Precautions for safe handling : Provide adequate information, instruction and training for operators. Provide adequate ventilation. Use personal protective equipment as required. Concerning personal protective equipment to use, see section 8. Avoid contact with skin, eyes and clothing. Do not breathe vapour/aerosol. Take precautionary measures against static discharges. Ensure equipment is adequately earthed. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Take any precaution to avoid mixing with combustibles... See also section 10. Ensure proper process control to avoid excess waste discharge (temperature, concentration, pH, time). Do not allow to enter into surface water or drains.
- Hygiene measures : Keep good industrial hygiene. Take off contaminated clothing. Wash hands and face before breaks and immediately after handling of the product. When using do not eat, drink or smoke. Separate working clothes from town clothes. Keep away from food, drink and animal feedingstuffs.

7.2. Conditions for safe storage, including any incompatibilities

- Technical measures : Storage of flammable liquids. Keep container tightly closed in a cool, well-ventilated place. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Do not store near or with any of the incompatible materials listed in section 10.
- Packaging materials : Keep only in the original container.


7.3. Specific end use(s)

see attached exposure scenario.


SECTION 8: Exposure controls/personal protection

8.1. Control parameters


methanol (67-56-1)		
EU	IOELV TWA (mg/m ³)	260 mg/m ³
EU	IOELV TWA (ppm)	200 ppm
EU	Notes	Possibility of significant uptake through the skin
Austria	MAK (mg/m ³)	260 mg/m ³
Austria	MAK (ppm)	200 ppm
Austria	MAK Short time value (mg/m ³)	1040 mg/m ³
Austria	MAK Short time value (ppm)	800 ppm
Belgium	Limit value (mg/m ³)	266 mg/m ³
Belgium	Limit value (ppm)	200 ppm
Belgium	Short time value (mg/m ³)	333 mg/m ³
Belgium	Short time value	250 ppm
Bulgaria	OEL TWA (mg/m ³)	260 mg/m ³
Bulgaria	OEL TWA (ppm)	200 ppm
Croatia	GVI (granična vrijednost izloženosti) (mg/m ³)	260 mg/m ³
Croatia	GVI (granična vrijednost izloženosti) (ppm)	200 ppm
Cyprus	OEL TWA (mg/m ³)	260 mg/m ³
Cyprus	OEL TWA (ppm)	200 ppm
Czech Republic	Expoziční limity (PEL) (mg/m ³)	250 mg/m ³
Denmark	Grænseværdie (langvarig) (mg/m ³)	260 mg/m ³
Denmark	Grænseværdie (langvarig) (ppm)	200 ppm
Estonia	OEL TWA (mg/m ³)	260 mg/m ³

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methanol (67-56-1)		
Estonia	OEL TWA (ppm)	200 ppm
Estonia	OEL STEL (mg/m ³)	350 mg/m ³
Estonia	OEL STEL (ppm)	250 ppm
Finland	HTP-arvo (8h) (mg/m ³)	270 mg/m ³
Finland	HTP-arvo (8h) (ppm)	200 ppm
Finland	HTP-arvo (15 min)	330 mg/m ³
Finland	HTP-arvo (15 min) (ppm)	250 ppm
France	VME (mg/m ³)	260 mg/m ³ (restrictive limit)
France	VME (ppm)	200 ppm (restrictive limit)
France	VLE (mg/m ³)	1300 mg/m ³
France	VLE (ppm)	1000 ppm
Germany	TRGS 900 Occupational exposure limit value (mg/m ³)	270 mg/m ³ (The risk of damage to the embryo or fetus can be excluded when AGW and BGW values are observed)
Germany	TRGS 900 Occupational exposure limit value (ppm)	200 ppm (The risk of damage to the embryo or fetus can be excluded when AGW and BGW values are observed)
Germany	TRGS 903 (BGW)	30 mg/l Parameter: Methanol - Medium: urine - Sampling time: end of shift 30 mg/l Parameter: Methanol - Medium: urine - Sampling time: end of several shifts (for long-term exposures)
Gibraltar	8h mg/m ³	260 mg/m ³
Gibraltar	8h ppm	200 ppm
Greece	OEL TWA (mg/m ³)	260 mg/m ³
Greece	OEL TWA (ppm)	200 ppm
Greece	OEL STEL (mg/m ³)	325 mg/m ³
Greece	OEL STEL (ppm)	250 ppm
Hungary	AK-érték	260 mg/m ³
Ireland	OEL (8 hours ref) (mg/m ³)	260 mg/m ³
Ireland	OEL (8 hours ref) (ppm)	200 ppm
Ireland	OEL (15 min ref) (mg/m ³)	780 mg/m ³ (calculated)
Ireland	OEL (15 min ref) (ppm)	600 ppm (calculated)
Italy	OEL TWA (mg/m ³)	260 mg/m ³
Italy	OEL TWA (ppm)	200 ppm
Latvia	OEL TWA (mg/m ³)	260 mg/m ³
Latvia	OEL TWA (ppm)	200 ppm
Lithuania	IPRV (mg/m ³)	260 mg/m ³
Lithuania	IPRV (ppm)	200 ppm
Luxembourg	OEL TWA (mg/m ³)	260 mg/m ³
Luxembourg	OEL TWA (ppm)	200 ppm
Malta	OEL TWA (mg/m ³)	260 mg/m ³
Malta	OEL TWA (ppm)	200 ppm
Netherlands	Grenswaarde TGG 8H (mg/m ³)	133 mg/m ³

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methanol (67-56-1)		
Netherlands	Grenswaarde TGG 8H (ppm)	100 ppm
Poland	NDS (mg/m ³)	100 mg/m ³
Poland	NDSch (mg/m ³)	300 mg/m ³
Portugal	OEL TWA (mg/m ³)	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 (mg/m ³)	260 mg/m ³
Romania	OEL TWA (ppm)	200 ppm
Slovakia	NPHV (priemerná) (mg/m ³)	260 mg/m ³
Slovakia	NPHV (priemerná) (ppm)	200 ppm
Slovenia	OEL TWA (mg/m ³)	260 mg/m ³
Slovenia	OEL TWA (ppm)	200 ppm
Spain	VLA-ED (mg/m ³)	266 mg/m ³ (indicative limit value)
Spain	VLA-ED (ppm)	200 ppm (indicative limit value)
Sweden	nivågränsvärde (NVG) (mg/m ³)	250 mg/m ³
Sweden	nivågränsvärde (NVG) (ppm)	200 ppm
Sweden	kortidsvärde (KTV) (mg/m ³)	350 mg/m ³
Sweden	kortidsvärde (KTV) (ppm)	250 ppm
United Kingdom	WEL TWA (mg/m ³)	266 mg/m ³
United Kingdom	WEL TWA (ppm)	200 ppm
United Kingdom	WEL STEL (mg/m ³)	333 mg/m ³
United Kingdom	WEL STEL (ppm)	250 ppm
Norway	Grenseverdier (AN) (mg/m ³)	130 mg/m ³
Norway	Grenseverdier (AN) (ppm)	100 ppm
Norway	Grenseverdier (Korttidsverdi) (mg/m ³)	162,5 mg/m ³ (value calculated)
Norway	Grenseverdier (Korttidsverdi) (ppm)	125 ppm (value calculated)
Switzerland	MAK (mg/m ³)	260 mg/m ³
Switzerland	MAK (ppm)	200 ppm
Switzerland	KZGW (mg/m ³)	1040 mg/m ³
Switzerland	KZGW (ppm)	800 ppm
Australia	TWA (mg/m ³)	262 mg/m ³
Australia	TWA (ppm)	200 ppm
Australia	STEL (mg/m ³)	328 mg/m ³
Australia	STEL (ppm)	250 ppm
Canada (Quebec)	VECD (mg/m ³)	328 mg/m ³
Canada (Quebec)	VECD (ppm)	250 ppm
Canada (Quebec)	VEMP (mg/m ³)	262 mg/m ³
Canada (Quebec)	VEMP (ppm)	200 ppm
USA - ACGIH	ACGIH TWA (ppm)	200 ppm
USA - ACGIH	ACGIH STEL (ppm)	250 ppm
USA - IDLH	US IDLH (ppm)	6000 ppm
USA - NIOSH	NIOSH REL (TWA) (mg/m ³)	260 mg/m ³
USA - NIOSH	NIOSH REL (TWA) (ppm)	200 ppm

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

Gasoline (86290-81-5)		
Belgium	Limit value (mg/m ³)	903 mg/m ³
Belgium	Limit value (ppm)	300 ppm
Belgium	Short time value (mg/m ³)	1501 mg/m ³
Belgium	Short time value	500 ppm
Czech Republic	Expoziční limity (PEL) (mg/m ³)	400 mg/m ³
Lithuania	IPRV (mg/m ³)	200 mg/m ³
Lithuania	TPRV (mg/m ³)	300 mg/m ³
Netherlands	Grenswaarde TGG 8H (mg/m ³)	240 mg/m ³
Netherlands	Grenswaarde TGG 15MIN (mg/m ³)	480 mg/m ³
Portugal	OEL TWA (ppm)	300 ppm
Portugal	OEL STEL (ppm)	500 ppm
Spain	VLA-ED (ppm)	300 ppm (manufacturing, commercialization and use restrictions according to REACH)
Sweden	nivågränsvärde (NVG) (mg/m ³)	250 mg/m ³
Switzerland	MAK (mg/m ³)	1100 mg/m ³
Switzerland	MAK (ppm)	300 ppm
Australia	TWA (mg/m ³)	900 mg/m ³
USA - ACGIH	ACGIH TWA (ppm)	300 ppm
USA - ACGIH	ACGIH STEL (ppm)	500 ppm


tert-butyl methyl ether, MTBE, 2-methoxy-2-methylpropane (1634-04-4)		
EU	IOELV TWA (mg/m ³)	183,5 mg/m ³
EU	IOELV TWA (ppm)	50 ppm
EU	IOELV STEL (mg/m ³)	367 mg/m ³
EU	IOELV STEL (ppm)	100 ppm
Austria	MAK (mg/m ³)	180 mg/m ³
Austria	MAK (ppm)	50 ppm
Austria	MAK Short time value (mg/m ³)	360 mg/m ³
Austria	MAK Short time value (ppm)	100 ppm
Belgium	Limit value (mg/m ³)	146 mg/m ³
Belgium	Limit value (ppm)	40 ppm
Belgium	Short time value (mg/m ³)	367 mg/m ³
Belgium	Short time value	100 ppm
Bulgaria	OEL TWA (mg/m ³)	183,5 mg/m ³
Bulgaria	OEL TWA (ppm)	50 ppm
Bulgaria	OEL STEL (mg/m ³)	367 mg/m ³
Bulgaria	OEL STEL (ppm)	100 ppm
Croatia	GVI (granična vrijednost izloženosti) (mg/m ³)	183,5 mg/m ³
Croatia	GVI (granična vrijednost izloženosti) (ppm)	50 ppm
Croatia	KGVI (kratkotrajna granična vrijednost izloženosti) (mg/m ³)	367 mg/m ³

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tert-butyl methyl ether, MTBE, 2-methoxy-2-methylpropane (1634-04-4)		
Croatia	KGVI (kratkotrajna granična vrijednost izloženosti) (ppm)	100 ppm
Cyprus	OEL TWA (mg/m ³)	183,5 mg/m ³
Cyprus	OEL TWA (ppm)	50 ppm
Cyprus	OEL STEL (mg/m ³)	367 mg/m ³
Cyprus	OEL STEL (ppm)	100 ppm
Czech Republic	Expoziční limity (PEL) (mg/m ³)	100 mg/m ³
Denmark	Grænseværdie (langvarig) (mg/m ³)	144 mg/m ³
Denmark	Grænseværdie (langvarig) (ppm)	40 ppm
Estonia	OEL TWA (mg/m ³)	180 mg/m ³
Estonia	OEL TWA (ppm)	50 ppm
Estonia	OEL STEL (mg/m ³)	250 mg/m ³
Estonia	OEL STEL (ppm)	75 ppm
Finland	HTP-arvo (8h) (mg/m ³)	180 mg/m ³
Finland	HTP-arvo (8h) (ppm)	50 ppm
Finland	HTP-arvo (15 min)	360 mg/m ³
Finland	HTP-arvo (15 min) (ppm)	100 ppm
France	VME (mg/m ³)	183,5 mg/m ³ (restrictive limit)
France	VME (ppm)	50 ppm (restrictive limit)
France	VLE (mg/m ³)	367 mg/m ³ (restrictive limit)
France	VLE (ppm)	100 ppm (restrictive limit)
Germany	TRGS 900 Occupational exposure limit value (mg/m ³)	180 mg/m ³ (The risk of damage to the embryo or fetus can be excluded when AGW and BGW values are observed)
Germany	TRGS 900 Occupational exposure limit value (ppm)	50 ppm (The risk of damage to the embryo or fetus can be excluded when AGW and BGW values are observed)
Gibraltar	8h mg/m ³	183,5 mg/m ³
Gibraltar	8h ppm	50 ppm
Gibraltar	Short-term mg/m ³	367 mg/m ³
Gibraltar	Short-term ppm	100 ppm
Greece	OEL TWA (mg/m ³)	183,5 mg/m ³
Greece	OEL TWA (ppm)	50 ppm
Greece	OEL STEL (mg/m ³)	367 mg/m ³
Greece	OEL STEL (ppm)	100 ppm
Hungary	AK-érték	183,5 mg/m ³
Hungary	CK-érték	367 mg/m ³
Ireland	OEL (8 hours ref) (mg/m ³)	183,5 mg/m ³
Ireland	OEL (8 hours ref) (ppm)	50 ppm
Ireland	OEL (15 min ref) (mg/m ³)	367 mg/m ³
Ireland	OEL (15 min ref) (ppm)	100 ppm
Italy	OEL TWA (mg/m ³)	183,5 mg/m ³
Italy	OEL TWA (ppm)	50 ppm

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tert-butyl methyl ether, MTBE, 2-methoxy-2-methylpropane (1634-04-4)		
Italy	OEL STEL (mg/m ³)	367 mg/m ³
Italy	OEL STEL (ppm)	100 ppm
Latvia	OEL TWA (mg/m ³)	183,5 mg/m ³
Latvia	OEL TWA (ppm)	50 ppm
Lithuania	IPRV (mg/m ³)	183,5 mg/m ³
Lithuania	IPRV (ppm)	50 ppm
Lithuania	TPRV (mg/m ³)	367 mg/m ³
Lithuania	TPRV (ppm)	100 ppm
Luxembourg	OEL TWA (ppm)	50 ppm
Luxembourg	OEL STEL (mg/m ³)	367 mg/m ³
Luxembourg	OEL STEL (ppm)	100 ppm
Malta	OEL TWA (mg/m ³)	183,5 mg/m ³
Malta	OEL TWA (ppm)	50 ppm
Malta	OEL STEL (mg/m ³)	367 mg/m ³
Malta	OEL STEL (ppm)	100 ppm
Netherlands	Grenswaarde TGG 8H (mg/m ³)	180 mg/m ³
Netherlands	Grenswaarde TGG 15MIN (mg/m ³)	360 mg/m ³
Poland	NDS (mg/m ³)	180 mg/m ³
Poland	NDSch (mg/m ³)	270 mg/m ³
Portugal	OEL TWA (mg/m ³)	183,5 mg/m ³ (indicative limit value)
Portugal	OEL TWA (ppm)	50 ppm (indicative limit value)
Portugal	OEL STEL (mg/m ³)	367 mg/m ³ (indicative limit value)
Portugal	OEL STEL (ppm)	100 ppm (indicative limit value)
Romania	OEL TWA (mg/m ³)	183,5 mg/m ³
Romania	OEL TWA (ppm)	50 ppm
Romania	OEL STEL (mg/m ³)	367 mg/m ³
Romania	OEL STEL (ppm)	100 ppm
Slovakia	NPHV (Hraničná) (mg/m ³)	367 mg/m ³
Slovenia	OEL TWA (mg/m ³)	183,5 mg/m ³
Slovenia	OEL TWA (ppm)	50 ppm
Slovenia	OEL STEL (mg/m ³)	367 mg/m ³
Slovenia	OEL STEL (ppm)	100 ppm
Spain	VLA-ED (mg/m ³)	183,5 mg/m ³ (indicative limit value)
Spain	VLA-ED (ppm)	50 ppm (indicative limit value)
Spain	VLA-EC (mg/m ³)	367 mg/m ³
Spain	VLA-EC (ppm)	100 ppm
Sweden	nivågränsvärde (NVG) (mg/m ³)	110 mg/m ³
Sweden	nivågränsvärde (NVG) (ppm)	30 ppm
Sweden	kortidsvärde (KTV) (mg/m ³)	367 mg/m ³
Sweden	kortidsvärde (KTV) (ppm)	100 ppm
United Kingdom	WEL TWA (mg/m ³)	183,5 mg/m ³
United Kingdom	WEL TWA (ppm)	50 ppm

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tert-butyl methyl ether, MTBE, 2-methoxy-2-methylpropane (1634-04-4)		
United Kingdom	WEL STEL (mg/m ³)	367 mg/m ³
United Kingdom	WEL STEL (ppm)	100 ppm
Norway	Grenseverdier (AN) (mg/m ³)	183,5 mg/m ³
Norway	Grenseverdier (AN) (ppm)	50 ppm
Norway	Grenseverdier (Korttidsverdi) (mg/m ³)	367 mg/m ³ (value from the regulation)
Norway	Grenseverdier (Korttidsverdi) (ppm)	100 ppm (value from the regulation)
Switzerland	MAK (mg/m ³)	180 mg/m ³
Switzerland	MAK (ppm)	50 ppm
Switzerland	KZGW (mg/m ³)	270 mg/m ³
Switzerland	KZGW (ppm)	75 ppm
Australia	TWA (mg/m ³)	92 mg/m ³
Australia	TWA (ppm)	25 ppm
Australia	STEL (mg/m ³)	275 mg/m ³
Australia	STEL (ppm)	75 ppm
Canada (Quebec)	VEMP (mg/m ³)	144 mg/m ³
Canada (Quebec)	VEMP (ppm)	40 ppm
USA - ACGIH	ACGIH TWA (ppm)	50 ppm

Gasoline (86290-81-5)	
DNEL/DMEL (workers)	
Acute - systemic effects, inhalation	(15 min) 1300 mg/m ³
Acute - local effects, inhalation	(15 min) 1100 mg/m ³
Long-term - local effects, inhalation	(8h) 840 mg/m ³
DNEL/DMEL (general population)	
Acute - systemic effects, inhalation	(15min) 1200 mg/m ³
Acute - local effects, inhalation	(15min) 640 mg/m ³
Long-term - local effects, inhalation	(24h) 180 mg/m ³
PNEC (additional information)	
Additional information	Substance of unknown or variable composition, complex reaction products or biological material (UVCB). No data available

tert-butyl methyl ether, MTBE, 2-methoxy-2-methylpropane (1634-04-4)	
DNEL/DMEL (workers)	
Acute - systemic effects, dermal	dnel mg/kg bodyweight/day
Acute - local effects, inhalation	357 mg/m ³
Long-term - systemic effects, dermal	5100 mg/kg bodyweight/day
Long-term - systemic effects, inhalation	178,5 mg/m ³
DNEL/DMEL (general population)	
Acute - local effects, inhalation	214 mg/m ³
Long-term - systemic effects, oral	7,1 mg/kg bodyweight/day
Long-term - systemic effects, dermal	3570 mg/kg bodyweight/day
Long-term - local effects, inhalation	53,6 mg/m ³
PNEC (water)	
PNEC aqua (freshwater)	5,1 mg/l
PNEC aqua (marine water)	0,26 mg/l
PNEC (sediment)	
PNEC sediment (freshwater)	23 mg/kg dwt

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tert-butyl methyl ether, MTBE, 2-methoxy-2-methylpropane (1634-04-4)	
PNEC sediment (marine water)	1,17 mg/kg dwt
PNEC (soil)	
PNEC soil	1,43 mg/kg dwt
PNEC (STP)	
PNEC sewage treatment plant	71 mg/l


8.2. Exposure controls

Engineering measure(s)	: Provide adequate ventilation. Use only in area provided with appropriate exhaust ventilation. 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 discharge. Provide adequate precautions, such as electrical grounding and bonding, or inert atmospheres. Organisational measures to prevent /limit releases, dispersion and exposure. See also section 7.
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	: The selection of specific gloves for a specific application and time of use in a working area, should also take into account other factors on the working space, such as (but not limited to): other chemicals that are possibly used, physical requirements (protection against cutting/drilling, skill, thermal protection), and the instructions/specification of the supplier of gloves. (EN 374): NBR (Nitrile rubber). Material thickness: >0,54mm. Breakthrough time : >360min. The data about break through time/strength of material are standard values! The exact break through time/strength of material has to be obtained from the producer of the protective glove.
Eye protection	: Safety glasses (EN166)
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 141). Half-face mask (DIN EN 140) (EN 140). full face mask (DIN EN 136) (EN 136). Self-contained open-circuit compressed air breathing apparatus (EN 137)
Thermal hazard protection	: Not required for normal conditions of use. Use dedicated equipment.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state	: Liquid
Appearance	: liquid.
Colour	: Yellow.
Odour	: petroleum hydrocarbon odour.
Odour threshold	: No data available
pH	: NA: UVCB
Relative evaporation rate (butylacetate=1)	: No data available
Melting / freezing point	: < -60 °C
Freezing point	: No data available
Initial boiling point and boiling range	: ca. 25 - 200 °C
Flash point	: < 0 °C
Auto-ignition temperature	: ca. 280 - 470 °C
Decomposition temperature	: No data available
Flammability (solid, gas)	: Not applicable, liquid
Vapour pressure	: ca. 350 - 900 hPa @ 37,8°C

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Vapour density	: No data available
Relative density	: ca. 0,68 - 0,79 @ 15°C
Solubility	: Water: slight (30 - 100 mg/l @ 20°C)
Partition coefficient n-octanol/water	: NA: UVCB
Kinematic viscosity	: No data available
Dynamic viscosity	: No data available
Explosive properties	: The study does not need to be conducted because there are no chemical groups associated with explosive properties present in the molecule.
Oxidising properties	: 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	: LEL: 1,4%-UEL:7,6%

9.2. Other information

No data available

SECTION 10: Stability and reactivity

10.1. Reactivity

Extremely flammable. Reference to other sections: 10.5.

10.2. Chemical stability

The product is stable under storage at normal ambient temperatures.

10.3. Possibility of hazardous reactions

Vapours may form explosive mixture with air. See also section 7. Handling and storage.

10.4. Conditions to avoid

Keep away from sources of heat (e.g. hot surfaces), sparks and open flames. See also section 7. Handling and storage.

10.5. Incompatible materials

oxidising substances. See also section 7. Handling and storage.

10.6. Hazardous decomposition products


Carbon oxides.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

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

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)
Gasoline (86290-81-5)	
LD50/oral/rat	> 5000 mg/kg
LD50/dermal/rat	> 2000 mg/kg
LC50/inhalation/4h/rat	> 5610 mg/m ³
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 - mg/l/4h)	85 mg/l/4h (OECD403)

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Skin corrosion/irritation	: Causes skin irritation. pH: NA: UVCB
Serious eye damage/irritation	: Not classified (Based on available data, the classification criteria are not met.) pH: NA: UVCB
Respiratory or skin sensitisation	: Not classified (Based on available data, the classification criteria are not met.)
Germ cell mutagenicity	: May cause genetic defects.
Carcinogenicity	: May cause cancer.
Reproductive toxicity	: Suspected of damaging fertility. Suspected of damaging the unborn child.
STOT-single exposure	: May cause drowsiness or dizziness.

Gasoline (86290-81-5)	
LOAEL, male, acute, Inhalation, Rat, systemic	4320 mg/m ³ (1 hours)

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 information : Symptoms related to the physical, chemical and toxicological characteristics.
Reference to other sections: 4.2.

SECTION 12: Ecological information


12.1. Toxicity

Environmental properties : Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

methanol (67-56-1)	
LC50 fish 1	28200 mg/l (Exposure time: 96 h - Species: Pimephales promelas [flow-through])
EC50 Daphnia 1	> 10000 mg/l (48h - Daphnia magna - DIN 38412 TEIL 11)
EC50 other aquatic organisms 1	22000 mg/l (96h - Pseudokirchnerella subcapitata - OECD 201)
LC50 fish 2	> 100 mg/l (Exposure time: 96 h - Species: Pimephales promelas [static])
NOEC(200h), fish, Chronic, Oryzias latipes (Ricefish)	7900 mg/l

Gasoline (86290-81-5)	
LL50, fish, acute, Freshwater, Pimephales promelas (fathead minnow)	8.2 mg/l (96 hours, equivalent or similar to EPA 66013-75-009)
NOELR, fish, Chronic, Freshwater, Pimephales promelas (fathead minnow)	2.6 mg/l (14 days, OECD 204)
EL50, daphnia, acute, Freshwater, daphnia	4.5 mg/l (48 hours, OECD Test Guideline 202)
NOELR, daphnia, Chronic, Freshwater, daphnia	2.6 mg/l (21 days, OECD 211)
EL50, algae, Freshwater, Pseudokirchneriella subcapitata	3.1 mg/l (72 hours, OECD Test Guideline 201)
LL50, microorganisms, Freshwater, Tetrahymena pyriformis	15.41 mg/l (72 hours, Quantitative structure-activity relationship (QSAR))

tert-butyl methyl ether, MTBE, 2-methoxy-2-methylpropane (1634-04-4)	
LC50 fish 1	(96h) 672 mg/l Freshwater

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tert-butyl methyl ether, MTBE, 2-methoxy-2-methylpropane (1634-04-4)	
EC50 Daphnia 1	472 mg/l Freshwater
LC50 fish 2	(96h) 574 mg/l Marine water
EC50 Daphnia 2	106 mg/l Marine water
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))

12.2. Persistence and degradability

Gasoline	
Persistence and degradability	No data available.

12.3. Bioaccumulative potential

Gasoline	
Partition coefficient n-octanol/water	NA: UVCB

methanol (67-56-1)	
BCF fish 1	< 10
Partition coefficient n-octanol/water	-0,77

Gasoline (86290-81-5)	
Partition coefficient n-octanol/water	NA: UVCB

tert-butyl methyl ether, MTBE, 2-methoxy-2-methylpropane (1634-04-4)	
Bioconcentration factor (BCF)	1,5
Partition coefficient n-octanol/water	1,06 (20 °C)

12.4. Mobility in soil

Gasoline	
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)

12.5. Results of PBT and vPvB assessment

No data available


12.6. Other adverse effects

No data available

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Product/Packaging disposal recommendations	: Handle with care. Safe handling: see section 7. Handling and storage. Dispose of contaminated materials in accordance with current regulations. Refer to manufacturer/supplier for information on recovery/recycling. Collect and dispose of waste product at an authorised disposal facility.
Additional information	: Do not puncture or incinerate. Do not burn, or use a cutting torch on the empty drum. Delivery to an approved waste disposal company.
Further ecological information	: Do not allow to enter into surface water or drains.

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European waste catalogue (2001/573/EC, 75/442/EEC, 91/689/EEC) : Classified as hazardous waste according to European Union regulations. 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
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
ADN :N2				

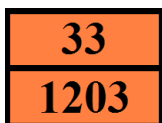
14.6. Special precautions for user

- 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

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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
 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

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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. 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

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

3. Liquid substances or mixtures which are regarded as dangerous in accordance with Directive 1999/45/EC or are fulfilling the criteria for any of the following hazard classes or categories set out in Annex I to Regulation (EC) No 1272/2008	Gasoline - Gasoline - tert-butyl methyl ether, MTBE, 2-methoxy-2-methylpropane - methanol
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 - Gasoline - tert-butyl methyl ether, MTBE, 2-methoxy-2-methylpropane - 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 - Gasoline - tert-butyl methyl ether, MTBE, 2-methoxy-2-methylpropane - 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 - Gasoline
28. Substances which appear in Part 3 of Annex VI to Regulation (EC) No 1272/2008 classified as Carcinogen category 1A or 1B (Table 3.1) or Carcinogen category 1 or 2 (Table 3.2) and listed as follows: Carcinogen category 1A (Table 3.1)/Carcinogen category 1 (Table 3.2) listed in Appendix 1 Carcinogen category 1B (Table 3.1)/Carcinogen category 2 (Table 3.2) listed in Appendix 2	Gasoline - Gasoline
29. Substances which appear in Part 3 of Annex VI to Regulation (EC) No 1272/2008 classified as Germ cell Mutagen category 1A or 1B (Table 3.1) or Mutagen category 1 or 2 (Table 3.2) and listed as follows: Mutagen category 1A (Table 3.1)/Mutagen category 1 (Table 3.2) listed in Appendix 3 Mutagen category 1B (Table 3.1)/Mutagen category 2 (Table 3.2) listed in Appendix 4	Gasoline - 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 - Gasoline - tert-butyl methyl ether, MTBE, 2-methoxy-2-methylpropane - methanol

Contains no substance on the REACH candidate list

Contains no REACH Annex XIV substances

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15.1.2. National regulations

France

No ICPE	Installations classées Désignation de la rubrique	Code Régime	Rayon
4510.text	Dangereux pour l'environnement aquatique de catégorie aiguë 1 ou chronique 1.		
4510.1	La quantité totale susceptible d'être présente dans l'installation étant : 1. Supérieure ou égale à 100 t Quantité seuil bas au sens de l'article R. 511-10 : 100 t. Quantité seuil haut au sens de l'article R. 511-10 : 200 t.	A	1
4510.2	La quantité totale susceptible d'être présente dans l'installation étant : 2. Supérieure ou égale à 20 t mais inférieure à 100 t Quantité seuil bas au sens de l'article R. 511-10 : 100 t. Quantité seuil haut au sens de l'article R. 511-10 : 200 t.	DC	

Germany

Reference to AwSV : Water hazard class (WGK) 3, severe hazard to waters (Classification according to AwSV, Annex 1)

Risk classification according to VbF : A I - Liquids with a flashpoint below 21°C

12th Ordinance Implementing the Federal Immission Control Act - 12.BImSchV : Is not subject of the 12. BImSchV (Hazardous Incident Ordinance)

TA Luft : Mutagenetic

Netherlands

Waterbezwaarlijkheid : 1 - May cause heritable genetic damage Z (1)

SZW-lijst van kankerverwekkende stoffen : Gasoline is listed

SZW-lijst van mutagene stoffen : Gasoline is listed

NIET-limitatieve lijst van voor de voortplanting giftige stoffen – Borstvoeding : None of the components are listed

NIET-limitatieve lijst van voor de voortplanting giftige stoffen – Vruchtbaarheid : None of the components are listed

NIET-limitatieve lijst van voor de voortplanting giftige stoffen – Ontwikkeling : methanol is 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
The requirements from the Danish Working Environment Authorities regarding work with carcinogens must be followed during use and disposal

15.2. Chemical safety assessment

Not applicable

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

SECTION 16: Other information

Indication of changes:

1		Modified	
2		Modified	
5		Modified	
9		Modified	
15		Modified	
16		Modified	


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
	DNEL = Derived No Effect Level
	CSR = Chemical Safety Report
	EC50 = Median Effective Concentration
	UVCB = Substance of unknown or variable composition, complex reaction products or biological material (UVCB)

Sources of key data used to compile the datasheet : European Chemicals Bureau CSR Low Boiling Point Naphthas Concawe Supplier SDS.

Full text of R-, H- and EUH-phrases::

Acute Tox. 3 (Dermal)	Acute toxicity (dermal), Category 3
Acute Tox. 3 (Inhalation)	Acute toxicity (inhal.), Category 3
Acute Tox. 3 (Oral)	Acute toxicity Category 3
Aquatic Chronic 2	Hazardous to the aquatic environment - chronic hazard category 2
Asp. Tox. 1	Aspiration hazard, Category 1
Carc. 1B	Carcinogenicity, Category 1B
Flam. Liq. 1	Flammable liquids, Category 1
Flam. Liq. 2	Flammable liquids, Category 2
Muta. 1B	Germ cell mutagenicity, hazard categories 1B
Repr. 2	Reproductive toxicity, Hazard Category 2
Skin Irrit. 2	Skin corrosion/irritation, Category 2
STOT SE 1	Specific target organ toxicity — single exposure, Category 1
STOT SE 3	Specific target organ toxicity — Single exposure, Category 3, Narcosis
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.
H315	Causes skin irritation.
H331	Toxic if inhaled.

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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.
H370	Causes damage to organs.
H411	Toxic to aquatic life with long lasting effects.
R12	Extremely flammable.
R38	Irritating to skin
R45	May cause cancer
R46	May cause hereditary genetic damage
R51/53	Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
R62	Possible risk of impaired fertility.
R63	Possible risk of harm to the unborn child.
R65	Harmful: may cause lung damage if swallowed.
R67	Vapours may cause drowsiness and dizziness.
F+	Extremely flammable
N	Dangerous for the environment
Xi	Irritant
Xn	Harmful

According to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2015/830
Classification according to Regulation (EC) No. 1272/2008 [CLP]
Labelling according to Regulation (EC) No. 1272/2008 [CLP]

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