

# Safety data sheet

according to Regulation (EC) No. 1907/2006 (REACH)



version number V 3.0  
date of compilation 10.11.2022

GB

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

### 1.1 product identifier

trade name: OEST OECOMIX 2 T  
article number: 32574

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

relevant identified uses  
fuel  
PROFESSIONAL, INDUSTRIAL, CONSUMER

### 1.3 details of the supplier of the safety data sheet

Georg Oest Mineralölwerk GmbH & Co. KG  
Georg-Oest-Str. 4  
72250 Freudenstadt

Telephone +49 7441/539-0  
e-mail (competent person) productsafety@oest.de

### 1.4 emergency telephone number

only available during office hours: 08:00 - 17:00  
+49 7441/539-0

## SECTION 2: Hazards identification

### 2.1 Classification of the substance or mixture

Classification acc. to GHS

Section	Hazard class	Category	Hazard class and category	Hazard statement
2.6	flammable liquid	1	Flam. Liq. 1	H224
3.2	skin corrosion/irritation	2	Skin Irrit. 2	H315
3.8D	specific target organ toxicity - single exposure (narcotic effects, drowsiness)	3	STOT SE 3	H336
3.10	aspiration hazard	1	Asp. Tox. 1	H304
4.1C	hazardous to the aquatic environment - chronic hazard	4	Aquatic Chronic 4	H413

For full text of abbreviations: see SECTION 16.

The most important adverse physicochemical, human health and environmental effects

The product is combustible and can be ignited by potential ignition sources. Spillage and fire water can cause pollution of watercourses.

### 2.2 Label elements

Labelling

- Signal word danger

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## - Pictograms

GHS02, GHS07, GHS08



## - Hazard statements

- 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.  
H413 May cause long lasting harmful effects to aquatic life.

## - Precautionary statements

- P101 If medical advice is needed, have product container or label at hand.  
P102 Keep out of reach of children.  
P103 Read carefully and follow all instructions.  
P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.  
P233 Keep container tightly closed.  
P301+P310 IF SWALLOWED: Immediately call a doctor.  
P331 Do NOT induce vomiting.  
P370+P378 In case of fire: Use sand, carbon dioxide or powder extinguisher to extinguish.  
P403+P235 Store in a well-ventilated place. Keep cool.

Child-resistant fastening yes

Tactile warning of danger yes

- Hazardous ingredients for labelling motor spirit

## 2.3 Other hazards

Results of PBT and vPvB assessment

This mixture does not contain any substances that are assessed to be a PBT or a vPvB.

## SECTION 3: Composition/information on ingredients

### 3.1 Substances

Not relevant (mixture)

### 3.2 Mixtures

Additional information

Conform to the Swedish standard SS 155461:  
benzene (CAS 71-43-3) < 0,1 Vol.%, hexane (CAS 110-54-3) < 0,5 Vol.%, aromatic compounds < 0,5 Vol.%, olefins < 0,5 Vol.%.

Name of substance	Identifier	Wt%	Classification acc. to GHS	Pictograms	Notes
Naphtha (petroleum), full-range alkylate	CAS No 64741-64-6  EC No 265-066-7	75 – < 90	Flam. Liq. 2 / H225 Skin Irrit. 2 / H315 STOT SE 3 / H336 Asp. Tox. 1 / H304 Aquatic Chronic 2 / H411		L(b)

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	Index No 649-274-00-9				
2-methylbutane	CAS No 78-78-4  EC No 201-142-8  Index No 601-085-00-2	10 – < 25	Flam. Liq. 1 / H224 STOT SE 3 / H336 Asp. Tox. 1 / H304 Aquatic Chronic 2 / H411		IOELV

#### Notes

IOELV: Substance with a community indicative occupational exposure limit value

L(b): The classification as a carcinogen is not required. The substance contains less than 3 % DMSO extract

For full text of abbreviations: see SECTION 16.

## SECTION 4: First aid measures

### 4.1 Description of first aid measures

#### General notes

Do not leave affected person unattended. Remove victim out of the danger area. Take off immediately all contaminated clothing. In all cases of doubt, or when symptoms persist, seek medical advice.

#### Following inhalation

If breathing is irregular or stopped, immediately seek medical assistance and start first aid actions. In case of respiratory tract irritation, consult a physician. Provide fresh air.

#### Following skin contact

Wash with plenty of soap and water.

#### Following eye contact

Remove contact lenses, if present and easy to do. Continue rinsing. Irrigate copiously with clean, fresh water for at least 10 minutes, holding the eyelids apart.

#### Following ingestion

Rinse mouth with water (only if the person is conscious). Do NOT induce vomiting.

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

Narcotic effects.

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

none

## SECTION 5: Firefighting measures

### 5.1 Extinguishing media

#### Suitable extinguishing media

Fire extinguishing powder, Carbon dioxide (CO<sub>2</sub>), Sand

#### Unsuitable extinguishing media

Water jet

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

In case of insufficient ventilation and/or in use, may form flammable/explosive vapour-air mixture. Solvent vapours are heavier than air and may spread along floors. Places which are not ventilated, e.g. unventilated below ground level areas such as trenches, conduits and shafts, are particularly prone to the presence of flammable substances or mixtures.

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Hazardous combustion products  
Carbon monoxide (CO), Carbon dioxide (CO<sub>2</sub>)

### 5.3 Advice for firefighters

In case of fire and/or explosion do not breathe fumes. Co-ordinate firefighting measures to the fire surroundings. Do not allow firefighting water to enter drains or water courses. Collect contaminated firefighting water separately. Fight fire with normal precautions from a reasonable distance.

## SECTION 6: Accidental release measures

### 6.1 Personal precautions, protective equipment and emergency procedures

For non-emergency personnel

Remove persons to safety.

For emergency responders

Wear breathing apparatus if exposed to vapours/dust/spray/gases. Remove all sources of ignition.

### 6.2 Environmental precautions

Keep away from drains, surface and ground water. Retain contaminated washing water and dispose of it.

### 6.3 Methods and material for containment and cleaning up

Advice on how to contain a spill

Covering of drains

Advice on how to clean up a spill

Wipe up with absorbent material (e.g. cloth, fleece). Collect spillage: sawdust, kieselgur (diatomite), sand, universal binder

Appropriate containment techniques

Use of adsorbent materials.

Other information relating to spills and releases

Place in appropriate containers for disposal. Ventilate affected area.

### 6.4 Reference to other sections

Hazardous combustion products: see section 5. Personal protective equipment: see section 8. Incompatible materials: see section 10. Disposal considerations: see section 13.

## SECTION 7: Handling and storage

### 7.1 Precautions for safe handling

Recommendations

- Measures to prevent fire as well as aerosol and dust generation

Keep away from sources of ignition - No smoking. Take precautionary measures against static discharge. Use only in well-ventilated areas. Due to danger of explosion, prevent leakage of vapours into cellars, flues and ditches. Ground/bond container and receiving equipment. Use only non-sparking tools.

- Specific notes/details

Places which are not ventilated, e.g. unventilated below ground level areas such as trenches, conduits and shafts, are particularly prone to the presence of flammable substances or mixtures. Vapours are heavier than air, spread along floors and form explosive mixtures with air. Vapours may form explosive mixtures with air.

Advice on general occupational hygiene

Wash hands after use. Remove contaminated clothing and protective equipment before entering eating areas. Never place chemicals in containers that are normally used for food or drink.

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

Managing of associated risks

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**- Explosive atmospheres**

Store in a closed container. Keep container tightly closed and in a well-ventilated place. Keep cool. Protect from sunlight.

**- Flammability hazards**

Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Take precautionary measures against static discharge. Protect from sunlight.

**Control of effects**

No special measures are necessary. No hazardous reaction when handled and stored according to provisions.

Protect against external exposure, such as

Heat, Frost

**- Ventilation requirements**

Use only outdoors or in a well-ventilated area.

**- Packaging compatibilities**

Only packagings which are approved (e.g. acc. to ADR) may be used.

### 7.3 Specific end use(s)

See section 16 for a general overview.

## SECTION 8: Exposure controls/personal protection

### 8.1 Control parameters

Occupational exposure limit values (Workplace Exposure Limits)

Country	Name of agent	CAS No	Identifier	TWA [ppm]	TWA [mg/m <sup>3</sup> ]	STEL [ppm]	STEL [mg/m <sup>3</sup> ]	Ceiling-C [ppm]	Ceiling-C [mg/m <sup>3</sup> ]	Notation	Source
EU	isopentane	78-78-4	IOELV	1,000	3,000						2006/15/EC
GB	hydrocarbon mixture (RCP method)		WEL		1,800		3,600				EH40/2005
GB	isopentane	78-78-4	WEL	600	1,800						EH40/2005

**Notation**

Ceiling-C ceiling value is a limit value above which exposure should not occur

STEL short-term exposure limit: a limit value above which exposure should not occur and which is related to a 15-minute period (unless otherwise specified)

TWA time-weighted average (long-term exposure limit): measured or calculated in relation to a reference period of 8 hours time-weighted average (unless otherwise specified)

**Remarks**

Time-weighted average (long-term exposure limit): measured or calculated in relation to a reference period of 8 hours time-weighted average (unless otherwise specified). Short-term exposure limit: a limit value above which exposure should not occur and which is related to a 15-minute period (unless otherwise specified).

Relevant DNELs of components of the mixture

Name of substance	CAS No	Endpoint	Threshold level	Protection goal, route of exposure	Used in	Exposure time
2-methylbutane	78-78-4	DNEL	3,000 mg/m <sup>3</sup>	human, inhalatory	worker (industry)	chronic - systemic effects
2-methylbutane	78-78-4	DNEL	432 mg/kg bw/day	human, dermal	worker (industry)	chronic - systemic effects

**Remarks**

The product is not intended for consumer use.

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## 8.2 Exposure controls

Appropriate engineering controls

General ventilation.

Individual protection measures (personal protective equipment)

Skin protection

- Hand protection

Wear suitable gloves. Chemical protection gloves are suitable, which are tested according to EN 374. Check leak-tightness/impermeability prior to use. In the case of wanting to use the gloves again, clean them before taking off and air them well. For special purposes, it is recommended to check the resistance to chemicals of the protective gloves mentioned above together with the supplier of these gloves.

- Type of material (long-term)

NBR: acrylonitrile-butadiene rubber (0,425 mm), Breakthrough times of the glove material: 240-480 min

- Type of material (short-term)

NBR: acrylonitrile-butadiene rubber (0,12 mm), Breakthrough times of the glove material: 10-30 min

- Other protection measures

Take recovery periods for skin regeneration. Preventive skin protection (barrier creams/ointments) is recommended. Wash hands thoroughly after handling.

Respiratory protection

In case of inadequate ventilation wear respiratory protection. Type: AX (gas filters and combined filters against low-boiling point organic compounds, colour code: Brown).

Environmental exposure controls

Use appropriate container to avoid environmental contamination. Keep away from drains, surface and ground water.

## SECTION 9: Physical and chemical properties

### 9.1 Information on basic physical and chemical properties

physical state	liquid
colour	green
odour	characteristic
melting point/freezing point	not determined
boiling point or initial boiling point and boiling range	not determined
flammability	flammable liquid in accordance with GHS criteria
lower and upper explosion limit	1.4 vol% - 7.6 vol%
flash point	<-18 °C
auto-ignition temperature	not determined
decomposition temperature	not relevant
pH (value)	not determined
kinematic viscosity	not determined
Solubility(ies)	
water solubility	insoluble
Partition coefficient	
partition coefficient n-octanol/water (log value)	0.92

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vapour pressure	not determined
Density and/or relative density density	not determined
relative vapour density	information on this property is not available
particle characteristics	not relevant (liquid)
<b>9.2 Other information</b>	
information with regard to physical hazard classes	there is no additional information
other safety characteristics	there is no additional information

## SECTION 10: Stability and reactivity

### 10.1 Reactivity

Concerning incompatibility: see below "Conditions to avoid" and "Incompatible materials". The mixture contains reactive substance(s). Risk of ignition.

If heated:

Risk of ignition

### 10.2 Chemical stability

See below "Conditions to avoid".

### 10.3 Possibility of hazardous reactions

No known hazardous reactions.

### 10.4 Conditions to avoid

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

Hints to prevent fire or explosion

Take precautionary measures against static discharge. Protect from sunlight.

### 10.5 Incompatible materials

Oxidisers

### 10.6 Hazardous decomposition products

Reasonably anticipated hazardous decomposition products produced as a result of use, storage, spill and heating are not known. Hazardous combustion products: see section 5.

## SECTION 11: Toxicological information

### 11.1 Information on toxicological effects

Test data are not available for the complete mixture.

Classification procedure

The method for classification of the mixture is based on ingredients of the mixture (additivity formula).

#### Classification acc. to GHS

Acute toxicity

The classification criteria for these hazard classes are not met.

#### Acute toxicity of components of the mixture

Name of substance	CAS No	Exposure route	Endpoint	Value	Species
Naphtha (petroleum), full-range alkylate	64741-64-6	oral	LD50	>5,000 mg/kg	rat
Naphtha (petroleum), full-range alkylate	64741-64-6	dermal	LD50	>2,000 mg/kg	rabbit

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2-methylbutane	78-78-4	oral	LD50	>2,000 mg/kg	rat
2-methylbutane	78-78-4	inhalation: vapour	LC50	>25.3 mg/l/4h	rat

**Skin corrosion/irritation**

Causes skin irritation.

**Serious eye damage/eye irritation**

The classification criteria for this hazard class are not met.

**Respiratory or skin sensitisation**

The classification criteria for these hazard classes are not met.

**Germ cell mutagenicity**

The classification criteria for this hazard class are not met.

**Carcinogenicity**

The classification criteria for this hazard class are not met.

**Reproductive toxicity**

The classification criteria for this hazard class are not met.

**Specific target organ toxicity - single exposure**

May cause drowsiness or dizziness.

**Specific target organ toxicity - repeated exposure**

The classification criteria for this hazard class are not met.

**Aspiration hazard**

May be fatal if swallowed and enters airways.

**11.2 Information on other hazards**

There is no additional information.

**SECTION 12: Ecological information**

**12.1 Toxicity**

May cause long lasting harmful effects to aquatic life.

Aquatic toxicity (acute)					
Endpoint	Value	Species	Method	Exposure time	
LC50	>100 mg/l	algae	OECD 201	72 h	
LC50	>100 mg/l	daphnia	OECD 202	48 h	
LC50	>100 mg/l	fish	OECD 203	96 h	
NOEC	>100 mg/l	daphnia	OECD 202	48 h	
NOEC	>100 mg/l	algae	OECD 201	72 h	
NOEC	>100 mg/l	fish	OECD 203	96 h	
Aquatic toxicity (chronic) of components of the mixture					
Name of substance	CAS No	Endpoint	Value	Species	Exposure time
Naphtha (petroleum), full-range alkylate	64741-64-6	EL50	10 mg/l	fish	21 d
Naphtha (petroleum), full-range alkylate	64741-64-6	EC50	15.41 mg/l	microorganisms	40 h



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## 12.2 Persistence and degradability

Degradability of components of the mixture						
Name of substance	CAS No	Process	Degradation rate	Time	Method	Source
2-methylbutane	78-78-4	oxygen depletion	71.43 %	28 d		ECHA

## 12.3 Bioaccumulative potential

Bioaccumulative potential of components of the mixture				
Name of substance	CAS No	BCF	Log KOW	BOD5/COD
2-methylbutane	78-78-4	171	4 (pH value: 6.6, 25 °C)	

## 12.4 Mobility in soil

Data are not available.

## 12.5 Results of PBT and vPvB assessment

Data are not available.

## 12.6 Endocrine disrupting properties

None of the ingredients are listed.

## 12.7 Other adverse effects

Data are not available.

## SECTION 13: Disposal considerations

### 13.1 Waste treatment methods

Waste treatment-relevant information

Solvent reclamation/regeneration.

Sewage disposal-relevant information

Do not empty into drains. Avoid release to the environment. Refer to special instructions/safety data sheets.

Waste treatment of containers/packagings

It is a dangerous waste; only packagings which are approved (e.g. acc. to ADR) may be used. Completely emptied packages can be recycled. Handle contaminated packages in the same way as the substance itself.

#### Relevant provisions relating to waste

#### Waste code (EU)

- Product

13 07 02\* petrol

#### Remarks

Please consider the relevant national or regional provisions. Waste shall be separated into the categories that can be handled separately by the local or national waste management facilities.

## SECTION 14: Transport information

### 14.1 UN number or ID number

ADR/RID UN 1203

IMDG-Code UN 1203

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ICAO-TI	UN 1203
<b>14.2 UN proper shipping name</b>	
ADR/RID	PETROL
IMDG-Code	GASOLINE
ICAO-TI	Gasoline
<b>14.3 Transport hazard class(es)</b>	
ADR/RID	3
IMDG-Code	3
ICAO-TI	3
<b>14.4 Packing group</b>	
ADR/RID	II
IMDG-Code	II
ICAO-TI	II
<b>14.5 Environmental hazards</b>	non-environmentally hazardous acc. to the dangerous goods regulations
<b>14.6 Special precautions for user</b>	
Provisions for dangerous goods (ADR) should be complied within the premises.	
<b>14.7 Maritime transport in bulk according to IMO instruments</b>	
The cargo is not intended to be carried in bulk.	

**Information for each of the UN Model Regulations**

**Agreement concerning the International Carriage of Dangerous Goods by Road (ADR) - Additional information**

Classification code	F1
Danger label(s)	3
	
Special provisions (SP)	243, 534, 664
Excepted quantities (EQ)	E2
Limited quantities (LQ)	1 L
Transport category (TC)	2
Tunnel restriction code (TRC)	D/E
Hazard identification No	33
Emergency Action Code	3YE

**Regulations concerning the International Carriage of Dangerous Goods by Rail (RID) - Additional information**

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Classification code	F1
Danger label(s)	3
	
Special provisions (SP)	243, 534, 664
Excepted quantities (EQ)	E2
Limited quantities (LQ)	1 L
Transport category (TC)	2
Hazard identification No	33

**International Maritime Dangerous Goods Code (IMDG) - Additional information**

Marine pollutant	-
Danger label(s)	3
	
Special provisions (SP)	243
Excepted quantities (EQ)	E2
Limited quantities (LQ)	1 L
EmS	F-E, S-E
Stowage category	E

**International Civil Aviation Organization (ICAO-IATA/DGR) - Additional information**

Danger label(s)	3
	
Special provisions (SP)	A100
Excepted quantities (EQ)	E2
Limited quantities (LQ)	1 L

**SECTION 15: Regulatory information**

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

**Relevant provisions of the European Union (EU)**

**Seveso Directive**

2012/18/EU (Seveso III)			
No	Dangerous substance/hazard categories	Qualifying quantity (tonnes) for the application of lower and upper-tier requirements	Notes
P5a	flammable liquids (cat. 1)	10                      50	49)

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## Notation

- 49) - flammable liquids, category 1, or  
- flammable liquids category 2 or 3 maintained at a temperature above their boiling point, or  
- other liquids with a flash point  $\leq 60$  °C, maintained at a temperature above their boiling point

## Industrial Emissions Directive (IED)

VOC content 97.5 %

## Directive on the restriction of the use of certain hazardous substances in electrical and electronic equipment (RoHS)

none of the ingredients are listed

## Regulation on persistent organic pollutants (POP)

None of the ingredients are listed.

## National regulations (GB)

### List of substances subject to authorisation (GB REACH, Annex 14) / SVHC - candidate list

none of the ingredients are listed

### Restrictions according to GB REACH, Annex 17

#### Dangerous substances with restrictions (GB REACH, Annex 17)

Name of substance	Name acc. to inventory	CAS No	No
Product	this product meets the criteria for classification in accordance with Regulation No 1272/2008/EC		3
Naphtha (petroleum), full-range alkylate	flammable / pyrophoric		40
2-methylbutane	flammable / pyrophoric		40

## National inventories

Country	Inventory	Status
AU	AIIC	all ingredients are listed
CA	DSL	all ingredients are listed
CN	IECSC	not all ingredients are listed
EU	ECSI	not all ingredients are listed
EU	REACH Reg.	all ingredients are listed or exempt from listing
JP	CSCL-ENCS	not all ingredients are listed
KR	KECI	not all ingredients are listed
MX	INSQ	not all ingredients are listed
NZ	NZIoC	not all ingredients are listed
PH	PICCS	all ingredients are listed
TR	CICR	not all ingredients are listed
TW	TCSI	not all ingredients are listed
US	TSCA	all ingredients are listed

## Legend

AIIC	Australian Inventory of Industrial Chemicals
CICR	Chemical Inventory and Control Regulation
CSCL-ENCS	List of Existing and New Chemical Substances (CSCL-ENCS)
DSL	Domestic Substances List (DSL)
ECSI	EC Substance Inventory (EINECS, ELINCS, NLP)
IECSC	Inventory of Existing Chemical Substances Produced or Imported in China

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INSQ	National Inventory of Chemical Substances
KECI	Korea Existing Chemicals Inventory
NZIoC	New Zealand Inventory of Chemicals
PICCS	Philippine Inventory of Chemicals and Chemical Substances (PICCS)
REACH Reg.	REACH registered substances
TCSI	Taiwan Chemical Substance Inventory
TSCA	Toxic Substance Control Act

## 15.2 Chemical Safety Assessment

Chemical safety assessments for substances in this mixture were not carried out.

### SECTION 16: Other information

#### Indication of changes (revised safety data sheet)

Section	Former entry (text/value)	Actual entry (text/value)	Safety-relevant
2.2		- Precautionary statements: change in the listing (table)	yes
3.2		Additional information: change in the listing (table)	yes
8.1		Remarks: Time-weighted average (long-term exposure limit): measured or calculated in relation to a reference period of 8 hours time-weighted average (unless otherwise specified). Short-term exposure limit: a limit value above which exposure should not occur and which is related to a 15-minute period (unless otherwise specified).	yes
8.1		Remarks: The product is not intended for consumer use.	yes
9.1	Appearance		yes
9.1	Other safety parameters		yes
9.1	Flammability (solid, gas): not relevant, (fluid)	Flammability: flammable liquid in accordance with GHS criteria	yes
9.1	Explosive limits	Lower and upper explosion limit: 1.4 vol% - 7.6 vol%	yes
9.1	Evaporation rate: not determined		yes
9.1	Lower explosion limit (LEL): 1.4 vol%		yes
9.1	Upper explosion limit (UEL): 7.6 vol%		yes
9.1		Decomposition temperature: not relevant	yes
9.1		Kinematic viscosity: not determined	yes
9.1	Solubility(ies): not determined	Solubility(ies)	yes
9.1		Density and/or relative density	yes
9.1	Vapour density: this information is not available		yes
9.1	Viscosity: not determined		yes

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9.1	Explosive properties: none		yes
9.1	Oxidising properties: none		yes
9.1		Particle characteristics: not relevant (liquid)	yes
9.2	other information: there is no additional information	Other information	yes
9.2		Information with regard to physical hazard classes: there is no additional information	yes
9.2		Other safety characteristics: there is no additional information	yes
11.2		Information on other hazards: There is no additional information.	yes
12.7	Other adverse effects	Other adverse effects: Data are not available.	yes
14.1	UN number: 1203	UN number or ID number	yes
14.1		ADR/RID: UN 1203	yes
14.1		IMDG-Code: UN 1203	yes
14.1		ICAO-TI: UN 1203	yes
14.2	UN proper shipping name: PETROL	UN proper shipping name	yes
14.2		ADR/RID: PETROL	yes
14.2		IMDG-Code: GASOLINE	yes
14.2		ICAO-TI: Gasoline	yes
14.3	Class: 3 (flammable liquids)		yes
14.3		ADR/RID: 3	yes
14.3		IMDG-Code: 3	yes
14.3		ICAO-TI: 3	yes
14.4	Packing group: II (substance presenting medium danger)	Packing group	yes
14.4		ADR/RID: II	yes
14.4		IMDG-Code: II	yes
14.4		ICAO-TI: II	yes
14.7	UN number: 1203		yes
14.7	Proper shipping name: PETROL		yes

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14.7	Class: 3		yes
14.7	Packing group: II		yes
14.7		Regulations concerning the International Carriage of Dangerous Goods by Rail (RID) - Additional information	yes
14.7		Classification code: F1	yes
14.7		Danger label(s): 3	yes
14.7		Danger label(s): change in the listing (table)	yes
14.7		Special provisions (SP): 243, 534, 664	yes
14.7		Excepted quantities (EQ): E2	yes
14.7		Limited quantities (LQ): 1 L	yes
14.7		Transport category (TC): 2	yes
14.7		Hazard identification No: 33	yes
14.7	UN number: 1203		yes
14.7	Proper shipping name: GASOLINE		yes
14.7	Class: 3		yes
14.7	Packing group: II		yes
14.7	UN number: 1203		yes
14.7	Proper shipping name: Gasoline		yes
14.7	Class: 3		yes
14.7	Packing group: II		yes
15.1	Restrictions according to REACH, Annex XVII		yes
15.1		Dangerous substances with restrictions (REACH, Annex XVII): change in the listing (table)	yes
15.1	List of substances subject to authorisation (REACH, Annex XIV) / SVHC - candidate list: none of the ingredients are listed		yes
15.1		Regulation on persistent organic pollutants (POP): None of the ingredients are listed.	yes
15.1		National regulations (GB)	yes
15.1		List of substances subject to authorisation (GB REACH, Annex 14) / SVHC - candidate list:	yes

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		none of the ingredients are listed	
15.1		Restrictions according to GB REACH, Annex 17	yes
15.1		Dangerous substances with restrictions (GB REACH, Annex 17): change in the listing (table)	yes
15.1		National inventories: change in the listing (table)	yes
16		Abbreviations and acronyms: change in the listing (table)	yes
16	Key literature references and sources for data: Regulation (EC) No 1272/2008 on classification, labelling and packaging of substances and mixtures. Regulation (EC) No. 1907/2006 (REACH), amended by 2015/830/EU. Transport of dangerous goods by road, rail and inland waterway (ADR/RID/ADN). International Maritime Dangerous Goods Code (IMDG). Dangerous Goods Regulations (DGR) for the air transport (IATA).	Key literature references and sources for data: Agreement concerning the International Carriage of Dangerous Goods by Road (ADR). Regulations concerning the International Carriage of Dangerous Goods by Rail (RID). International Maritime Dangerous Goods Code (IMDG). Dangerous Goods Regulations (DGR) for the air transport (IATA).	yes

## Abbreviations and acronyms

Abbr.	Descriptions of used abbreviations
2006/15/EC	Commission Directive establishing a second list of indicative occupational exposure limit values in implementation of Council Directive 98/24/EC and amending Directives 91/322/EEC and 2000/39/EC
ADR	Accord relatif au transport international des marchandises dangereuses par route (Agreement concerning the International Carriage of Dangerous Goods by Road)
Aquatic Chronic	Hazardous to the aquatic environment - chronic hazard
Asp. Tox.	Aspiration hazard
BCF	Bioconcentration factor
BOD	Biochemical Oxygen Demand
CAS	Chemical Abstracts Service (service that maintains the most comprehensive list of chemical substances)
Ceiling-C	Ceiling value
COD	Chemical oxygen demand
DGR	Dangerous Goods Regulations (see IATA/DGR)
DNEL	Derived No-Effect Level
EC50	Effective Concentration 50 %. The EC50 corresponds to the concentration of a tested substance causing 50 % changes in response (e.g. on growth) during a specified time interval
EC No	The EC Inventory (EINECS, ELINCS and the NLP-list) is the source for the seven-digit EC number, an identifier of substances commercially available within the EU (European Union)
EH40/2005	EH40/2005 Workplace exposure limits ( <a href="http://www.nationalarchives.gov.uk/doc/open-government-licence/">http://www.nationalarchives.gov.uk/doc/open-government-licence/</a> )
EINECS	European Inventory of Existing Commercial Chemical Substances
EL50	Effective Loading 50 %: the EL50 corresponds to the loading rate required to produce a response in 50% of the test organisms
ELINCS	European List of Notified Chemical Substances
EmS	Emergency Schedule
Flam. Liq.	Flammable liquid
GB REACH	The REACH etc. (Amendment etc.) (EU Exit) Regulations 2019, SI 2019/758 (as amended)
GHS	"Globally Harmonized System of Classification and Labelling of Chemicals" developed by the United Nations
IATA	International Air Transport Association
IATA/DGR	Dangerous Goods Regulations (DGR) for the air transport (IATA)



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ICAO	International Civil Aviation Organization
ICAO-TI	Technical instructions for the safe transport of dangerous goods by air
IMDG	International Maritime Dangerous Goods Code
IMDG-Code	International Maritime Dangerous Goods Code
index No	The Index number is the identification code given to the substance in Part 3 of Annex VI to Regulation (EC) No 1272/2008
IOELV	Indicative occupational exposure limit value
LC50	Lethal Concentration 50%: the LC50 corresponds to the concentration of a tested substance causing 50 % lethality during a specified time interval
LD50	Lethal Dose 50 %: the LD50 corresponds to the dose of a tested substance causing 50 % lethality during a specified time interval
log KOW	n-Octanol/water
NLP	No-Longer Polymer
NOEC	No Observed Effect Concentration
PBT	Persistent, Bioaccumulative and Toxic
ppm	Parts per million
RCP	Reciprocal calculation procedure
RID	Règlement concernant le transport International ferroviaire des marchandises Dangereuses (Regulations concerning the International carriage of Dangerous goods by Rail)
Skin Corr.	Corrosive to skin
Skin Irrit.	Irritant to skin
STEL	Short-term exposure limit
STOT SE	Specific target organ toxicity - single exposure
TWA	Time-weighted average
VOC	Volatile Organic Compounds
vPvB	Very Persistent and very Bioaccumulative
WEL	Workplace exposure limit

#### Key literature references and sources for data

Agreement concerning the International Carriage of Dangerous Goods by Road (ADR). Regulations concerning the International Carriage of Dangerous Goods by Rail (RID). International Maritime Dangerous Goods Code (IMDG). Dangerous Goods Regulations (DGR) for the air transport (IATA).

#### Classification procedure

Physical and chemical properties: The classification is based on tested mixture.

Health hazards, Environmental hazards: The method for classification of the mixture is based on ingredients of the mixture (additivity formula).

#### List of relevant phrases (code and full text as stated in section 2 and 3)

Code	Text
H224	Extremely flammable liquid and vapour.
H225	Highly flammable liquid and vapour.
H304	May be fatal if swallowed and enters airways.
H315	Causes skin irritation.
H336	May cause drowsiness or dizziness.
H411	Toxic to aquatic life with long lasting effects.
H413	May cause long lasting harmful effects to aquatic life.

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**Disclaimer**

This information is based upon the present state of our knowledge. This SDS has been compiled and is solely intended for this product.