TECPO Benzin System-Reiniger Speed ESTER_EN

Version number: 2.0
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SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1. Product identifier

Trade name

TECPO Benzin System-Reiniger Speed ESTER_EN

Article No.

300840

UFI code

AF5V-7U2W-Q00P-Y72G

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

Relevant identified uses

Cleaner for fuel systems in car engines

Not suitable for use in

There is no information available.

1.3. Details of the supplier of the safety data sheet

Supplier

TECPO GmbH

Address
Dreherstraße 16-20

42899 Remscheid
Germany

Telephone
+49 2191 951 3305

Email
info@tecpo.de

Fax
+49 2191 951 33044

Web site
www.tecpo.de

1.4. Emergency telephone number

Poison center/Additional emergency number

+49 (0) 89 19240 - Poison Emergency Call Munich

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SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Classification according to Regulation (EC) No 1272/2008

Classification

Aspiration hazard, hazard category 1
Hazardous to the aquatic environment — Chronic hazard category 3

Hazard statements

H304, H412

Description

The product is classified and labeled according to the CLP regulation.

2.2. Label elements

Labelling according to Regulation (EC) No 1272/2008

Hazard pictograms



Signal word

Danger

Hazard statements

H304 May be fatal if swallowed and enters airways.
H412 Harmful to aquatic life with long lasting effects.

Supplemental hazard statements

EUH066 Repeated exposure may cause skin dryness or cracking.

Precautionary statements

P102 Keep out of reach of children.
P273 Avoid release to the environment.
P301 + P310 IF SWALLOWED: Immediately call a POISON CENTER/doctor.
P331 Do NOT induce vomiting.
P405 Store locked up.
P501 Dispose of contents/container to dispose of in accordance with local / regional / national / international regulations.

More information

Hazard-determining components of labeling:
Hydrocarbons, C10-C13, N-alkanes, isoalkanes, cyclic, < 2% aromatics
Solvent naphtha (petroleum), heavy arom

Additional information:
Packaging that is supplied to the general public must be provided with a tactile hazard warning in accordance with EN ISO 11683, regardless of its capacity. Packaging supplied to the general public must be fitted with child-resistant closures regardless of its capacity.

2.3. Other hazards

This product does not contain any PBT or vPvB substances.

The product does not contain any substances with endocrine-disrupting properties.

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SECTION 3: Composition/information on ingredients

3.2. Mixtures

Chemical name	CAS No. EC No. REACH No. Index No.	Concentration	Classification	H-phrase M factor acute M factor chronic	Note
Hydrocarbons, C10-C13, n-alkanes, isoalkanes, cyclic, <2% aromatics	- 918-481-9 - 649-327-00-6	50 - 100%	Asp. Tox. 1	H304, EUH066 - -	-
Solvent naphtha (petroleum), heavy arom	64742-94-5 265-198-5 01-2119510128-50 649-424-00-3	≥0,25 - <2,5%	Asp. Tox. 1, STOT SE 3 - narcosis, Aquatic Chronic 2	H304, H336, H411 - -	-
Isoctanol	104-76-7 203-234-3 01-2119487289-20-XXXX -	0 - <2,5%	Skin Irrit. 2, Eye Irrit. 2, Acute Tox. 2 - inhalation, STOT SE 3 - resp. tract irrit., Aquatic Chronic 3	H315, H319, H330, H335, H412 - -	-
Alkylated phenol ester	125643-61-0 406-040-9 - 607-530-00-7	0 - <2,5%	Aquatic Chronic 4	H413 - -	Reg.Nr.: 01-2119878226-29-XXXX 01-2119830067-43-XXXX 01-2119954896-17-XXXX
Naphthalene	91-20-3 202-049-5 01-2119561346-37 601-052-00-2	≥0,025 - <0,25%	Acute Tox. 4 - oral, Carc. 2, Aquatic Acute 1, Aquatic Chronic 1	H302, H351, H400, H410 - -	-

Product based on
Mixture of the substances listed below with additives not subject to labeling.

Substance additional information
For the complete text of H- / EUH-statements mentioned in this section, see section 16.

SECTION 4: First aid measures

4.1. Description of first aid measures

If symptoms occur or in case of doubt, seek medical advice. Take affected persons out into the fresh air.

Inhalation

Supply fresh air, consult a doctor in case of complaints. If unconscious, position and transport in the recovery position.

Skin contact

Wash off immediately with soap and water and rinse thoroughly.
Take off contaminated clothing and wash it before reuse. If skin irritation persists, consult a doctor.

Eye contact

Rinse opened eye for several minutes under running water. If symptoms persist consult a doctor if symptoms persist.
Remove existing contact lenses if possible.

Ingestion

IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.
Turn a vomiting person lying on their back onto their side. Consult a doctor immediately.
If unconscious, place in recovery position and seek medical assistance immediately.

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

Inhalation of high concentrations of vapors can affect the central nervous system (drowsiness, dizziness, headaches, unconsciousness, etc.). Prolonged or repeated skin contact causes degreasing and drying of the skin and can lead to irritation and dermatitis.
Strong irritant effect on contact with the eye. Swallowed product may cause indigestion, nausea and diarrhea.
Product may cause chronic liver and kidney damage.

Hazards:
In case of ingestion or vomiting, danger of penetration into the lungs.
Aspiration can lead to pulmonary edema and pneumonia.

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

Treat symptomatically.
Oxygen ventilation if necessary.
Subsequent observation for pneumonia and pulmonary edema.

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SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media

In case of fire: Use alcohol-resistant foam, carbon dioxide (CO2), extinguishing powder or water spray to extinguish.

Unsuitable extinguishing media

Full water jet.

5.2. Special hazards arising from the substance or mixture

Product is not flammable, but combustible. May form explosive gas-air mixtures.
Vapors are heavier than air and can travel long distances along the ground/ignite/rebound to the source.
Can be released in the event of a fire:
Carbon monoxide and carbon dioxide
Hydrocarbons.

5.3. Advice for firefighters

Special protective equipment for fire-fighters

Wear self-contained breathing apparatus.
Cool closed containers near the source of the fire with water. Collect contaminated extinguishing water separately and do not allow it to enter the sewage system.
Ensure sufficient extinguishing water retention. Dispose of contaminated extinguishing water in accordance with official regulations.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Note the risk of slipping.
Ensure adequate ventilation.
Do not inhale vapors.
Wear self-contained breathing apparatus if large quantities are released.
Wear protective equipment. Keep unprotected persons away.

Staff not trained for emergencies: Avoid contact with product.
Emergency services: Use suitable personal protective equipment (see SECTION 8).

6.2. Environmental precautions

If the product enters the sewage system/surface water/groundwater, inform the responsible authority.
Do not allow to enter drains/surface water/ground water.

6.3. Methods and material for containment and cleaning up

Absorb with liquid-binding material (sand, diatomaceous earth, acid binder, universal binder). If large quantities of liquid leak out, contain and dispose of. Dispose of contaminated material as waste according to section 13.

6.4. Reference to other sections

See SECTIONS 7+8+13

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Preventive handling precautions

Avoid aerosol formation. Do not inhale gases/vapors/aerosols.
Keep away from sources of ignition. Avoid prolonged or repeated contact with the skin.
Organic material soaked with product such as cleaning cloths, paper, etc. represents a fire hazard and must be collected and disposed of in a controlled manner.
Ensure good ventilation/extraction at the workplace.
Do not carry product-soaked cleaning cloths in your trouser pockets.

Notes on fire and explosion protection:
Vapors can form an explosive mixture with air.
Keep away from heat, sparks and naked flames.
Take measures against electrostatic charging.
Vapors are heavier than air and creep along the floor.

General hygiene

Do not eat, drink, smoke or take snuff at work. Wash hands before breaks and at the end of work.
Store work clothes separately.

7.2. Conditions for safe storage, including any incompatibilities

Requirements for storage rooms and containers:
Store in a cool, dry place in tightly closed containers.

Storage instructions:
Store separately from foodstuffs, luxury foods and animal feed.
Do not store together with oxidizing or self-igniting substances.

Further information on storage conditions:
Store in a cool, dry place in tightly closed containers.
Keep away from heat and direct sunlight. Store container in a well-ventilated place.

Storage class according to TRGS 510: 10 - Flammable liquids that cannot be assigned to any of the aforementioned LGKs

7.3. Specific end use(s)
There is no information available.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters
Exposure limits
Group limit value C9-C14 aliphatics: 300 mg/m³

National occupational exposure limits

Ingredient	CAS No. EC No.	Exposure limit ppm / mg/m³	Source	Remark	Year
Isoctanol	104-76-7 203-234-3	1 5,4	AGW	EU, Y, 11	-
Isoctanol	104-76-7 203-234-3	1 5,4	IOELV (EU)	-	-
Naphthalene	91-20-3 202-049-5	0,4 2	AGW	4 (I), AGS, H, Y, 11, 27	-
Naphthalene	91-20-3 202-049-5	10 30	IOELV	EU	-

DNEL/DMEL

Product/Substance name (CAS No./EC No.)	Type	Exposure	Value	Population	Effects
Isoctanol (104-76-7/203-234-3)	DNEL	Chronic (long term) Inhalation	52,3 mg/m³	Workers	Local
Isoctanol (104-76-7/203-234-3)	DNEL	Chronic (long term) Inhalation	26,6 mg/m³	Consumers	Local
Isoctanol (104-76-7/203-234-3)	DNEL	Chronic (long term) Inhalation	2,3 mg/m³	Consumers	Systemic
Isoctanol (104-76-7/203-234-3)	DNEL	Chronic (long term) Inhalation	12,8 mg/m³	Workers	Systemic
Isoctanol (104-76-7/203-234-3)	DNEL	Chronic (long term) Dermal	11,4 mg/kg bw/day	Consumers	Systemic
Isoctanol (104-76-7/203-234-3)	DNEL	Chronic (long term) Dermal	23 mg/kg bw/day	Workers	Systemic
Isoctanol	DNEL	Chronic (long term)	1,1 mg/kg bw/day	Consumers	Systemic

Product/Substance name (CAS No./EC No.)	Type	Exposure	Value	Population	Effects
(104-76-7/203-234-3)		Oral			
Isoctanol (104-76-7/203-234-3)	DNEL	Acute (short term) Inhalation	52,3 mg/m³	Workers	Local
Isoctanol (104-76-7/203-234-3)	DNEL	Acute (short term) Inhalation	23,6 mg/m³	Consumers	Local
Solvent naphtha (petroleum), heavy arom (64742-94-5/265-198-5)	DNEL	Chronic (long term) Oral	5 mg/kg bw/day	Consumers	Systemic
Solvent naphtha (petroleum), heavy arom (64742-94-5/265-198-5)	DNEL	Chronic (long term) Dermal	7,7 mg/kg bw/day	Workers	Systemic
Solvent naphtha (petroleum), heavy arom (64742-94-5/265-198-5)	DNEL	Chronic (long term) Dermal	1,64 mg/kg bw/day	Consumers	Systemic
Solvent naphtha (petroleum), heavy arom (64742-94-5/265-198-5)	DNEL	Chronic (long term) Inhalation	50 mg/m³	Workers	Systemic
Solvent naphtha (petroleum), heavy arom (64742-94-5/265-198-5)	DNEL	Chronic (long term) Inhalation	10,66 mg/m³	Consumers	Systemic
Solvent naphtha (petroleum), heavy arom (64742-94-5/265-198-5)	DNEL	Acute (short term) Inhalation	250 mg/m³	Workers	Local
Alkylated phenol ester (125643-61-0/406-040-9)	DNEL	Chronic (long term) Inhalation	1,62 mg/m³	Consumers	Systemic
Alkylated phenol ester (125643-61-0/406-040-9)	DNEL	Chronic (long term) Dermal	0,83 mg/kg bw/day	Consumers	Systemic
Alkylated phenol ester (125643-61-0/406-040-9)	DNEL	Chronic (long term) Oral	0,93 mg/kg bw/day	Consumers	Systemic
Alkylated phenol ester (125643-61-0/406-040-9)	DNEL	Chronic (long term) Dermal	1,67 mg/kg	Workers	Systemic
Alkylated phenol ester (125643-61-0/406-040-9)	DNEL	Chronic (long term) Inhalation	6,6 mg/m³	Workers	Systemic
Naphthalene (91-20-3/202-049-5)	DNEL	Chronic (long term) Dermal	3,57 mg/kg bw/day	Workers	Systemic
Naphthalene (91-20-3/202-049-5)	DNEL	Chronic (long term) Inhalation	25 mg/m³	Workers	Systemic
Naphthalene (91-20-3/202-049-5)	DNEL	Chronic (long term) Inhalation	25 mg/m³	Workers	Local

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Product/Substance name (CAS No./EC No.)	Type	Environmental compartment	Value
Isoctanol (104-76-7/203-234-3)	PNEC	Freshwater	0,0278 mg/l
Isoctanol (104-76-7/203-234-3)	PNEC	Marine water	0,00278 mg/l
Isoctanol (104-76-7/203-234-3)	PNEC	Sewage Treatment Plant	10 mg/l
Isoctanol (104-76-7/203-234-3)	PNEC	Soil	0,0382 mg/kg soil dry weight
Isoctanol (104-76-7/203-234-3)	PNEC	Intermittent releases (freshwater)	0,2724 mg/kg sediment dw
Isoctanol (104-76-7/203-234-3)	PNEC	Intermittent releases (marine water)	0,0272 mg/kg sediment dw
Alkylated phenol ester (125643-61-0/406-040-9)	PNEC	Freshwater	0,018 mg/l
Alkylated phenol ester (125643-61-0/406-040-9)	PNEC	Marine water	0,002 mg/l
Alkylated phenol ester (125643-61-0/406-040-9)	PNEC	Sewage Treatment Plant	100 mg/l
Alkylated phenol ester (125643-61-0/406-040-9)	PNEC	Soil	10 mg/kg soil dry weight
Alkylated phenol ester (125643-61-0/406-040-9)	PNEC	Sediment (freshwater)	2 mg/kg sediment dw
Alkylated phenol ester (125643-61-0/406-040-9)	PNEC	Sediment (marine water)	0,2 mg/kg sediment dw
Alkylated phenol ester (125643-61-0/406-040-9)	PNEC	Oral (Secondary Poisoning)	41,33 mg/kg food
Naphthalene (91-20-3/202-049-5)	PNEC	Freshwater	0,0024 mg/l
Naphthalene (91-20-3/202-049-5)	PNEC	Marine water	0,0024 mg/l
Naphthalene (91-20-3/202-049-5)	PNEC	Sewage Treatment Plant	2,9 mg/l
Naphthalene (91-20-3/202-049-5)	PNEC	Sediment (freshwater)	0,0672 mg/kg sedi-

Product/Substance name (CAS No./EC No.)	Type	Environmental compartment	Value
			ment dw
Naphthalene (91-20-3/202-049-5)	PNEC	Sediment (marine water)	0,0672 mg/kg sediment dw
Naphthalene (91-20-3/202-049-5)	PNEC	Soil	0,0533 mg/kg soil dry weight
Naphthalene (91-20-3/202-049-5)	PNEC	Sporadic release	0,02 mg/l

8.2. Exposure controls

Personal Protective Equipment Symbols



Eye / face protection

Tightly sealed safety goggles

Hand protection

Protective gloves are recommended for frequent and/or prolonged skin contact with the product.
The glove material must be impermeable and resistant to the product / substance / mixture.
Due to missing tests no recommendation for the glove material can be given for the product / the mixture / the chemical mixture. Selection of the glove material taking into account the breakthrough times, permeation rates and degradation.

Glove material:
Nitrile rubber
Chloroprene rubber
Fluororubber (Viton)
The selection of a suitable glove depends not only on the material but also on other quality features and varies from manufacturer to manufacturer. As the product is a mixture of several substances, the resistance of glove materials cannot be calculated in advance and must therefore be checked before use.
Gloves made of PVA.
Penetration time of the glove material:
With a layer thickness of 0.5 mm, the penetration time is greater than 480 minutes. The exact breakthrough time can be obtained from the protective glove manufacturer and must be adhered to.

Other skin protection

Solvent-resistant protective clothing

Respiratory protection
Use respiratory protection if ventilation is insufficient or the limit values are exceeded.
Wear self-contained breathing apparatus if large quantities are released.
Filter A/P2

Other
General protective and hygiene measures:
Wear suitable protective clothing when working.
Avoid contact with eyes.
Avoid prolonged and intensive skin contact.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state
Liquid

Colour
Yellow.

Odour
Characteristic.

Odour threshold
Not determined.

Melting point / freezing point
Not determined.

Boiling point or initial boiling point and boiling range
Not determined.

Flammability
Not applicable.

Lower and upper explosion limit
Not determined.

Flash point
> 63 °C

Auto-ignition temperature
The product is not self-igniting.

Decomposition temperature
Not determined.

pH
Not determined.

Kinematic viscosity
≤ 20,5 mm²/s
Method
@40 °C

Viscosity, dynamic
Not determined.

Solubility
No data available

Water solubility
insoluble

Partition coefficient n-octanol/water
Not determined.

Vapour pressure
Not determined.

Density and/or relative density
0,8 g/cm³
Method
@20 °C

Relative density
Not determined.

Relative vapour density
Not determined.

Evaporation Rate
Not determined.

Explosive properties
The product is not explosive, but the formation of explosive dust/air mixtures is possible.

Oxidising properties
Not applicable.

Particle characteristics
No data available

9.2. Other information

The product is not self-igniting.

SECTION 10: Stability and reactivity

10.1. Reactivity

No further relevant information available.

10.2. Chemical stability

No decomposition when used as intended.

10.3. Possibility of hazardous reactions

Formation of flammable or explosive vapor-air mixtures possible.

10.4. Conditions to avoid

Heat, sparks, naked flames, electrostatic discharges.

10.5. Incompatible materials

Avoid contact with strong oxidizing agents.

10.6. Hazardous decomposition products

No decomposition if stored and handled as directed.

SECTION 11: Toxicological information

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

Acute toxicity

Based on available data, the classification criteria are not met.

Product / Substance name CAS / EC no.	Dose descriptor	Value / Dose	Exposure route	Duration of exposure	Test animals	Method / Guideline	Remarks
Hydrocarbons, C10-C13, n-alkanes, isoalkanes, cyclic, <2% aromatics / 918-481-9	LD50	>5000 mg/kg	Oral	-	Rat	OECD 401	-

Product / Substance name CAS / EC no.	Dose descriptor	Value / Dose	Exposure route	Duration of exposure	Test animals	Method / Guideline	Remarks
Isoctanol 104-76-7 / 203-234-3	LD50	2047 mg/kg	Oral	-	Rat	-	-
Isoctanol 104-76-7 / 203-234-3	LD50	>3000 mg/kg	Dermal	-	Rat	-	-
Isoctanol 104-76-7 / 203-234-3	LC50	> 1 mg/l	Inhalative	4 hours	Rat	-	-
Solvent naphtha (petroleum), heavy arom 64742-94-5 / 265-198-5	LDL0	> 5000 mg/kg	Oral	-	Rat	EPA OTS 798.1175	-
Solvent naphtha (petroleum), heavy arom 64742-94-5 / 265-198-5	LD0	> 2000 mg/kg	Dermal	-	Rabbit	EPA OTS 798.1100	-
Solvent naphtha (petroleum), heavy arom 64742-94-5 / 265-198-5	LC0	> 5,24 mg/l	Inhalative	4 hours	Rat	OECD 403	steam
Alkylated phenol ester 125643-61-0 / 406-040-9	LD50	>2000 mg/kg	Oral	-	Rat	OECD 401	-
Alkylated phenol ester 125643-61-0 / 406-040-9	LD50	>2000 mg/kg	Dermal	-	Rat	OECD 402	-
Naphthalene 91-20-3 / 202-049-5	LD50	>2500 mg/kg	Dermal	-	Rat	-	-
Naphthalene 91-20-3 / 202-049-5	LD50	533 mg/kg	Oral	-	Mouse	OECD 401	-

Product / Substance name CAS / EC no.	Dose descriptor	Value / Dose	Exposure route	Duration of exposure	Test animals	Method / Guideline	Remarks
Naphthalene 91-20-3 / 202-049-5	LC50	>0,4 mg/l	Inhalative	4 hours	Rat	OECD 403	steam

Skin corrosion/irritation
Based on available data, the classification criteria are not met.

Serious eye damage/irritation
Based on available data, the classification criteria are not met.

Respiratory or skin sensitisation
Based on available data, the classification criteria are not met.

Germ cell mutagenicity
Based on available data, the classification criteria are not met.

Carcinogenicity
Based on available data, the classification criteria are not met.

Reproductive toxicity
Based on available data, the classification criteria are not met.

STOT-single exposure
Based on available data, the classification criteria are not met.

STOT-repeated exposure
Based on available data, the classification criteria are not met.

Product / Substance name CAS / EC no.	Exposure route	Value / Dose	Species	Exposure time / Exposure frequency	Method / Guideline	Other
Alkylated phenol ester 125643-61-0 / 406-040-9	Oral	5 mg/kg bw/day	Rat	28 days	NOAEL	OECD 407
Naphthalene 91-20-3 / 202-049-5	Oral	100 mg/kg bw/day	Rat	90 days	OECD 408	NOAEL
Naphthalene 91-20-3 / 202-049-5	Dermal	1000 mg/kg bw/day	Rat	90 days	OECD 411	NOAEL

Aspiration hazard
May be fatal if swallowed and enters airways.

11.2. Information on other hazards

Endocrine disrupting properties
The product does not contain any substances with endocrine-disrupting properties.

SECTION 12: Ecological information

12.1. Toxicity

Acute fish toxicity

Product / Substance name CAS / EC no.	Measurement type	Value / Result	Duration of exposure	Species	Method / Guideline	Remark
Isoctanol 104-76-7 / 203-234-3	EC50	17,1 mg/l	96 hours	Leuciscus idus (Golden orfe)	-	-
Isoctanol 104-76-7 / 203-234-3	EC50	28,2 mg/l	96 hours	96 hours	-	-
Solvent naphtha (petroleum), heavy arom 64742-94-5 / 265-198-5	NOEC	2 mg/l	96 hours	Onchorhynchus mykiss (Rainbow trout)	OECD 203	-
Solvent naphtha (petroleum), heavy arom 64742-94-5 / 265-198-5	LC50	2 - 5 mg/l	96 hours	Onchorhynchus mykiss (Rainbow trout)	OECD 203	-
Alkylated phenol ester 125643-61-0 / 406-040-9	LC50	> 74 mg/l	96 hours	Brachydanio rerio (Zebra Fish)	OECD 203	statically
Alkylated phenol ester 125643-61-0 / 406-040-9	LC50	0,001 mg/l	96 hours	Onchorhynchus mykiss (Rainbow trout)	-	statically
Naphthalene 91-20-3 / 202-049-5	LC50	6,08 mg/l	96 hours	Pimephales promelas (Fat-head Minnow)	-	dynamic

Acute algae toxicity

Product / Substance name CAS / EC no.	Measurement type	Value / Result	Duration of exposure	Species	Method / Guideline	Remark
Solvent naphtha (petroleum), heavy arom 64742-94-5 / 265-198-5	EC50	1 - 3 mg/l	72 hours	Raphidocelis subcapitata	OECD 201	statically
Alkylated phenol ester 125643-61-0 / 406-040-9	EC50	> 3 mg/l	72 hours	Desmodesmus subspicatus	OECD 201	statically

Acute crustacean toxicity

Product / Substance name CAS / EC no.	Measurement type	Value / Result	Duration of exposure	Species	Method / Guideline	Remark
Isoctanol 104-76-7 / 203-234-3	EC50	39 mg/l	48 hours	Daphnia magna	-	-
Solvent naphtha (petroleum), heavy arom 64742-94-5 / 265-198-5	EC50	1,4 mg/l	48 hours	Daphnia magna	OECD 202	statically
Alkylated phenol ester 125643-61-0 / 406-040-9	EC50	> 100 mg/l	48 hours	Daphnia magna	OECD 202	statically
Naphthalene 91-20-3 / 202-049-5	EC50	2,16 mg/l	48 hours	Daphnia magna	OECD 202	statically

12.2. Persistence and degradability

Persistence and degradability

No further relevant information available.
Leaked product can lead to the formation of a film on the water surface, which reduces oxygen exchange and results in the death of organisms.

12.3. Bioaccumulative potential

Bioaccumulative potential

No further relevant information available.

12.4. Mobility in soil

Mobility

No further relevant information available.

12.5. Results of PBT and vPvB assessment

Results of PBT and vPvB assessment

This product does not contain any PBT or vPvB substances.

12.6. Endocrine disrupting properties

The product does not contain any substances with endocrine-disrupting properties.

12.7. Other adverse effects

Other adverse effects

No further relevant information available.

Other

Do not allow product to reach ground water, water course or sewage system.
Danger to drinking water if even small quantities leak into the ground.

German Water Class

WGK2 - significantly water endangering

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Disposal considerations

The mentioned waste codes are recommendations based on the expected use of the product.
Must not be disposed of together with household waste. Do not allow to enter drains.

Packaging

The packaging must be disposed of in accordance with the Packaging Act.
Contaminated packaging must be disposed of in the same way as the substance.
Non-contaminated packaging can be recycled.

Waste code	Waste description
13 07 03*	other fuels (including mixtures)

Please note - an asterisk (*) next to a code denotes that it is HAZARDOUS WASTE.

Other

HP5 - Target Organ Toxicity (STOT)/Aspiration hazard
HP14 - ecotoxic

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SECTION 14: Transport information

14.1. UN number

No dangerous goods in the sense of these transport regulations.

14.2. UN proper shipping name

ADR / RID / ADN proper shipping name

No dangerous goods in the sense of these transport regulations.

14.3. Transport hazard class(es)

Label

No dangerous goods in the sense of these transport regulations.

ADR / RID Class

No dangerous goods in the sense of these transport regulations.

ADR / RID Classification code

No dangerous goods in the sense of these transport regulations.

ADR / RID hazard identification number

No dangerous goods in the sense of these transport regulations.

IMDG Class

No dangerous goods in the sense of these transport regulations.

14.4. Packing group

No dangerous goods in the sense of these transport regulations.

14.5. Environmental hazards

Not applicable.

IMDG Marine Pollutant

Not applicable.

14.6. Special precautions for user

Not applicable.

14.7. Maritime transport in bulk according to IMO instruments

Not applicable.

TECPO Benzin System-Reiniger Speed ESTER_EN

SECTION 15: Regulatory information

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

EU regulations

Directive 2012/18/EU - Named dangerous substances - ANNEX I
None of the ingredients are included.
Annex XVII (REACH): The product is subject to the following restrictions according to Annex XVII, Regulation (EC) 1907/2006 (REACH): 3

Directive 2011/65/EU on the restriction of the use of certain hazardous substances in electrical and electronic equipment - Annex II
None of the ingredients are included.

Regulation (EU) 2019/1148
Annex I - Restricted explosives precursors
None of the ingredients are included.
Annex II - Reportable explosives precursors
None of the ingredients are included.

Regulation (EC) No 273/2004 on drug precursors
None of the ingredients are included.

Regulation (EC) No 111/2005 laying down rules for the monitoring of trade between the Community and third countries in drug substitutes
None of the ingredients are included.

National regulations

Technical guidance on air:
Class: NK / Share: 50 - 100 %

Water hazard classification : 2 - clearly hazardous to water

Storage class according to TRGS 510: 10 - Flammable liquids that cannot be assigned to any of the aforementioned LGKs

Substances of Very High Concern (SVHC) according to REACH, Article 57:
None of the ingredients are included.

15.2. Chemical safety assessment

No chemical safety assessment has been carried out.

SECTION 16: Other information

Changes to previous revision
Rev. 1.0
1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 15 (2024-08-23)

Abbreviations
ADN - European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways
ADR - European Agreement concerning the International Carriage of Dangerous Goods by Road
AGW - Occupational Exposure Limit (Arbeitsplatzgrenzwert)
ATE - Acute Toxicity Estimate
AwSV - Ordinance on Installations for Handling Substances Hazardous to Water
C&L - Einstufung und Kennzeichnung
CLP - Classification Labelling Packaging Regulation; Regulation (EC) No 1272/2008
CMR - Carcinogen, Mutagen, or Reproductive Toxicant
CSR - Chemical Safety Report
DNEL - Derived No Effect Level
ECHA - European Chemicals Agency
GefStoffV - Hazardous Substances Ordinance (Gefahrstoffverordnung)
GHS - Globally Harmonized System
IMDG - International Maritime Dangerous Goods
International Air Transport Association
IUCLID - International Uniform Chemical Information Database
Kow - octanol-water partition coefficient
LC50 - Lethal Concentration to 50 % of a test population
LD50 - Lethal Dose to 50% of a test population (Median Lethal Dose)
LGK - Storage Class (Lagerklasse)
OEL - Occupational Exposure Lim
PBT - Persistent, Bioaccumulative and Toxic substance
PNEC - Predicted No Effect Concentration(s)
REACH - Registration, Evaluation, Authorisation and Restriction of Chemicals Regulation (EC) No 1907/2006
RID - Regulations concerning the International Carriage of Dangerous Goods by Rail
SCBA - Self-Contained Breathing Apparatus
STOT - Specific Target Organ Toxicity
SVHC - Substances of Very High Concern
TRGS - Technische Regeln für Gefahrstoffe
UFI - Unique Formula Identifier
vPvB - Very Persistent and Very Bioaccumulative
WGK - Water Hazard Class (Wassergefährdungsklasse)

Phrase meaning

Asp. Tox. 1 - Aspiration hazard, hazard category 1
Aquatic Chronic 3 - Hazardous to the aquatic environment — Chronic hazard category 3
Skin Irrit. 2 - Skin irritation, hazard category 2
Eye Irrit. 2 - Eye irritation, hazard category 2
Acute Tox. 2 - inhalation - Acute toxicity, inhalation, hazard category 2
STOT SE 3 - resp. tract irrit. - Specific Target Organ Toxicity — Single exposure, hazard category 3 - respiratory tract irritation
STOT SE 3 - narcosis - Specific Target Organ Toxicity — Single exposure, hazard category 3 - narcosis
Aquatic Chronic 2 - Hazardous to the aquatic environment — Chronic hazard category 2
Aquatic Chronic 4 - Hazardous to the aquatic environment — Chronic hazard category 4
Acute Tox. 4 - oral - Acute toxicity, oral, hazard category 4
Carc. 2 - Carcinogenicity, hazard category 2
Aquatic Acute 1 - Hazardous to the aquatic environment — Acute hazard category 1
Aquatic Chronic 1 - Hazardous to the aquatic environment — Chronic hazard category 1
H302 Harmful if swallowed.
H304 May be fatal if swallowed and enters airways.
H315 Causes skin irritation.
H319 Causes serious eye irritation.
H330 Fatal if inhaled.
H335 May cause respiratory irritation.
H336 May cause drowsiness or dizziness.
H351 Suspected of causing cancer.
H400 Very toxic to aquatic life.
H410 Very toxic to aquatic life with long lasting effects.
H411 Toxic to aquatic life with long lasting effects.
H412 Harmful to aquatic life with long lasting effects.
H413 May cause long lasting harmful effects to aquatic life.
EUH066 Repeated exposure may cause skin dryness or cracking.

Other

Additional information

The information is based on our current state of knowledge, but does not constitute a guarantee of product properties and does not establish a contractual legal relationship. The recipient of our products is responsible for observing existing laws and regulations. The information in this safety data sheet corresponds to the best of our knowledge at the time of printing. The information is intended to provide you with guidelines for the safe handling of the product mentioned in this safety data sheet during storage, processing, transportation and disposal. The information is not transferable to other products. If the product is mixed, blended or processed with other materials
processed or subjected to processing, the information in this safety data sheet cannot be transferred to the new material produced in this way, unless expressly stated otherwise.

Manufacturer's notes

The data of the relevant components were taken from the latest safety data sheet of the upstream supplier.