TECPO Bremsen-Servicepaste Schmierfett_EN

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

1.1. Product identifier

Trade name

TECPO Bremsen-Servicepaste Schmierfett_EN

Article No.

300571

UFI code

2DEU-2UE4-A00J-1DA4

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

Product type

aerosol - Lubricants, Greases and Release Products

Not suitable for use in

No further relevant information available.

1.3. Details of the supplier of the safety data sheet

SDS created by

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TECPO Bremsen-Servicepaste Schmierfett_EN

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1.4. Emergency telephone number

Poison center/Additional emergency number
+49 (0) 89 19240 (Available 24/7) - Poison Emergency Call Munich (Available for the public.)

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Classification according to Regulation (EC) No 1272/2008

Classification
Aerosol, Hazard category 1
Aspiration hazard, hazard category 1
Skin irritation, hazard category 2
Specific Target Organ Toxicity — Single exposure, hazard category 3 - narcosis
Hazardous to the aquatic environment — Chronic hazard category 3

Hazard statements
H222, H229, H315, H336, 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
H222 Extremely flammable aerosol.
H229 Pressurised container: May burst if heated
H315 Causes skin irritation.
H336 May cause drowsiness or dizziness.
H412 Harmful to aquatic life with long lasting effects.

Precautionary statements
P101 If medical advice is needed, have product container or label at hand.
P102 Keep out of reach of children.
P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
P211 Do not spray on an open flame or other ignition source.
P251 Do not pierce or burn, even after use.
P271 Use only outdoors or in a well-ventilated area.
P280 Wear protective gloves/protective clothing/eye protection/face protection.
P410 + P412 Protect from sunlight. Do not expose to temperatures exceeding 50°C/122°F.
P501 Dispose of contents/container to dispose of in accordance with local / regional / national / international regulations..

More information
Hazard-determining components of labeling:
Hydrocarbons, C6-C7, n-alkanes, isoalkanes, cyclenes, < 5% n-hexane
2-Propanol; Isopropyl alcohol; Isopropanol

2.3. Other hazards
No data available

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	Specific concentration limits ATE	Note
butane	106-97-8 203-448-7 01-2119474691-32 601-004-00-0	35 - <40%	Flam. Gas 1, Press. Gas - Liquefied gas	H220, H280 - -		-
propane	74-98-6 200-827-9 01-2119486944-21 601-003-00-5	15 - <20%	Flam. Gas 1A, Press. Gas - Liquefied gas	H220, H280 - -		-
Hydrocarbons C6-C7, n-alkanes, isoalkanes, cyclenes, <5% n-hexane	- 921-024-6 01-2119475514-35 -	5 - <10%	Flam. Liq. 2, Asp. Tox. 1, Skin Irrit. 2, STOT SE 3 - narcosis, Aquatic Chronic 2	H225, H304, H315, H336, H411 - -		inhalative: LC50 = (> 25,2) mg/l; dermal: LD50 = > 2920 mg/kg; oral: LD50 = > 5840 mg/kg
aluminium powder (pyrophoric)	7429-90-5 231-072-3 01-2119529243-45 -	1 - <2,5%	Flam. Sol. 2	H228 - -		-
propan-2-ol; isopropyl alcohol; isopropanol	67-63-0 200-661-7 01-2119457558-25 603-117-00-0	1 - <2,5%	Flam. Liq. 2, Eye Irrit. 2, STOT SE 3 - narcosis	H225, H319, H336 - -		inhalative: LC50 = 30 mg; dermal: LD50 = 13900 mg/kg; oral: LD50 = 5840 mg/kg
Naphtha (petroleum), hydrotreated heavy	64742-48-9 265-150-3 01-2119486659-16 -	0,1 - <0,5%	Flam. Liq. 3, Asp. Tox. 1	H226, H304, EUH066 - -		inhalative: LC50 = > 8,5 mg; oral: LD50 = > 6000 mg/kg
Reaction products of benzenesulfonic acid,	- 947-519-7	0,1 - <0,5%	Skin Sens. 1B	H317 -	Skin Sens. 1B, H317: 10% ≤ C < 100%	dermal: LD50 = >

Chemical name	CAS No. EC No. REACH No. Index No.	Concentration	Classification	H-phrase M factor acute M factor chronic	Specific concentration limits ATE	Note
mono-C20–24 (even-numbered) sec-alkyl derivatives, para-, 0.1–<0.5% Calcium salts	01-2120765489-36 -			-		2000 mg/kg; oral: LD50 = > 10000 - < 20000 mg/kg

Substance additional information
Reaction products of benzenesulfonic acid, mono-C20–24 (even-numbered) sec-alkyl derivatives, para-, 0.1–<0.5% Calcium salts

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
In all cases of doubt or if symptoms are present, seek medical advice. If medical advice is needed, have product container or label at hand.

Inhalation
Provide fresh air. In the event of breathing difficulties or respiratory arrest, initiate artificial respiration. In case of irritation of the respiratory tract, consult a doctor.

Skin contact
Take off immediately all contaminated clothing and wash it before reuse. IF ON SKIN: Wash with plenty of soap and water. If skin irritation occurs: Get medical advice/attention.

Eye contact
In case of eye contact, rinse the eyes with water for a sufficiently long time with the eyelids open, then immediately Consult an ophthalmologist immediately.

Ingestion
case of vomiting, note the risk of aspiration. If swallowed, rinse mouth with plenty of water (only if the person is conscious) if the person is conscious) and get medical help immediately.

4.2. Most important symptoms and effects, both acute and delayed
Symptoms may not appear for many hours, so medical supervision is required for at least 48 hours after the accident. hours after the accident.

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

SECTION 5: Firefighting measures

5.1. Extinguishing media
Suitable extinguishing media
Use foam, carbon dioxide or dry powder to extinguish.

Unsuitable extinguishing media
Water.

5.2. Special hazards arising from the substance or mixture
Extremely flammable aerosol. Pressurised container: May burst if heated. Vapors can form an explosive mixture with air.

5.3. Advice for firefighters
Special protective equipment for fire-fighters
Self-contained breathing apparatus. Wear a chemical protection suit. Wear a full protective suit.

Other
Measures in case of fire
Cool endangered containers with water spray. Knock down gases/vapors/mist with water spray. Collect contaminated extinguishing water separately and do not allow it to enter the sewage system. Do not allow to enter drains or waterways.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures
Ensure adequate ventilation. Keep ignition sources away. Do not inhale gas/fume/vapor/aerosol. Avoid contact with skin, eyes and clothing. Use suitable personal protective equipment (see SECTION 8).

Staff not trained for emergencies:
Bring people to safety. Ventilate the affected area. Remove all sources of ignition. Do not breathe vapour/spray.

Emergency services:
Respiratory protection must be used when exposed to vapors, dusts and aerosols.

6.2. Environmental precautions
Do not allow uncontrolled release of product into the environment. Explosion hazard.

6.3. Methods and material for containment and cleaning up
Absorb with liquid-binding material (sand, diatomaceous earth, acid binder, universal binder). Dispose of the collected material in accordance with the regulations (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
Instructions for safe handling:
Do not puncture or burn, even after use. In case of open handling, use devices with local exhaust ventilation. Do not inhale gas/vapor/aerosol. If local exhaust ventilation is not possible or insufficient, good ventilation of the work area should be ensured wherever possible. Do not inhale gas/fume/vapor/aerosol.

Notes on fire and explosion protection:
Do not spray against flames or glowing objects. Protect from sunlight. Do not expose to temperatures exceeding 50 °C/122 °F. Keep away from sources of ignition - No smoking. Take precautionary measures against static discharges. Vapors may form explosive mixtures with air. Heating leads to an increase in pressure and risk of bursting.

General hygiene
Remove soiled, soaked clothing immediately. Draw up and follow a skin protection plan! Wash hands and face thoroughly before breaks and at the end of work, shower if necessary. Do not eat, drink, smoke or sniff at the workplace.

7.2. Conditions for safe storage, including any incompatibilities
Store under lock and key. Store in a place that is only accessible to authorized persons. Ensure adequate ventilation and point extraction at critical points. Keep container in a cool, well-ventilated place. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. Do not smoke.

Storage instructions:
Do not store together with: Oxidizing agents. Pyrophoric or self-heating hazardous substances.

Storage class according to TRGS 510: 2B Compressed gas packs (aerosol dispensers)

7.3. Specific end use(s)
See use of the product, SECTION 1.2

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

National occupational exposure limits

Ingredient	CAS No. EC No.	Exposure limit ppm / mg/m³	Source	Remark	Year
butane	106-97-8 203-448-7	1000 / 2400 /	TRGS 900	4(II)	-
propane	74-98-6 200-827-9	1000 / 1800 /	TRGS 900	4 (II)	-
Hydrocarbons C6-C7, n-alkanes, isoalkanes, cyclenes, <5% n-hexane	- 921-024-6	- / 700 /	TRGS 900	2(II)	-
propan-2-ol; isopropyl alcohol; isopropanol	67-63-0 200-661-7	200 / 500 /	TRGS 900	2(II), Y	-
Propan	74-98-6 -	1000 / 1800 /	TRGS 900	4(II)	-
Cyclohexan	110-82-7 -	200 / 700 /	TRGS 900	4(II)	-

Biological limit values

Product/Substance name CAS No.	Parameter	Limit value	Test material	Sampling time	Source	Remark	Date
aluminium powder (pyrophoric) 7429-90-5	Aluminium.	50 µg/g creatinine	Urine	for long-term exposure: at the end of the shift after several previous shifts			
propan-2-ol; isopropyl alcohol; isopropanol 67-63-0	Acetone.	25 mg/l	Urine	end of exposure or end of shift	TRGS 903		
propan-2-ol; isopropyl alcohol; isopropanol 67-63-0	Acetone.	25 mg/l	Whole blood	end of exposure or end of shift	TRGS 903		
Cyclohexan 110-82-7	1,2-Cyclohexandiol (after hydrolysis)	150 mg/g creatinine	Urine	for long-term exposure: at the end of the			

Product/Substance name CAS No.	Parameter	Limit value	Test material	Sampling time	Source	Remark	Date
				shift after several previous shifts			
Hexan (n-Hexan) 110-54-3	2,5-Hexandion plus 4,5-Dihydroxy-2-hexanon (after hydrolysis)	5 mg/l	Urine	end of exposure or end of shift			

DNEL/DMEL

Product/Substance name (CAS No./EC No.)	Type	Exposure	Value	Population	Effects
Hydrocarbons C6-C7, n-alkanes, isoalkanes, cyclenes, <5% n-hexane (-/921-024-6)	DNEL	Chronic (long term) Dermal	773 mg/kg bw/day	Workers	Systemic
Hydrocarbons C6-C7, n-alkanes, isoalkanes, cyclenes, <5% n-hexane (-/921-024-6)	DNEL	Acute (short term) Inhalation	2035 mg/m³	Workers	Systemic
Hydrocarbons C6-C7, n-alkanes, isoalkanes, cyclenes, <5% n-hexane (-/921-024-6)	DNEL	Chronic (long term) Dermal	699 mg/kg bw/day	Consumers	Systemic
Hydrocarbons C6-C7, n-alkanes, isoalkanes, cyclenes, <5% n-hexane (-/921-024-6)	DNEL	Chronic (long term) Inhalation	608 mg/m³	Consumers	Systemic
Hydrocarbons C6-C7, n-alkanes, isoalkanes, cyclenes, <5% n-hexane (-/921-024-6)	DNEL	Chronic (long term) Oral	699 mg/kg bw/day	Consumers	Systemic
propan-2-ol; isopropyl alcohol; isopropanol (67-63-0/200-661-7)	DNEL	Chronic (long term) Inhalation	500 mg/m³	Workers	Systemic
propan-2-ol; isopropyl alcohol; isopropanol (67-63-0/200-661-7)	DNEL	Chronic (long term) Inhalation	89 mg/m³	Consumers	Systemic
propan-2-ol; isopropyl alcohol; isopropanol (67-63-0/200-661-7)	DNEL	Chronic (long term) Dermal	888 mg/kg bw/day	Workers	Systemic
propan-2-ol; isopropyl alcohol; isopropanol (67-63-0/200-661-7)	DNEL	Chronic (long term) Dermal	319 mg/kg bw/day	Consumers	Systemic
propan-2-ol; isopropyl alcohol; isopropanol (67-63-0/200-661-7)	DNEL	Chronic (long term) Oral	26 mg/kg bw/day	Consumers	Systemic

Product/Substance name (CAS No./EC No.)	Type	Exposure	Value	Population	Effects
propan-2-ol; isopropyl alcohol; isopropanol (67-63-0/200-661-7)	DNEL	Acute (short term) Inhalation	1000 mg/m³	Workers	Systemic
propan-2-ol; isopropyl alcohol; isopropanol (67-63-0/200-661-7)	DNEL	Acute (short term) Inhalation	178 mg/m³	Consumers	Systemic
propan-2-ol; isopropyl alcohol; isopropanol (67-63-0/200-661-7)	DNEL	Acute (short term) Oral	51 mg/kg bw/day	Consumers	Systemic
Naphtha (petroleum), hydrotreated heavy (64742-48-9/265-150-3)	DNEL	Chronic (long term) Inhalation	1,9 mg/m³	Workers	Systemic
Naphtha (petroleum), hydrotreated heavy (64742-48-9/265-150-3)	DNEL	Acute (short term) Inhalation	1286,4 mg/m³	Workers	Systemic
Naphtha (petroleum), hydrotreated heavy (64742-48-9/265-150-3)	DNEL	Chronic (long term) Inhalation	837,5 mg/m³	Workers	Local
Naphtha (petroleum), hydrotreated heavy (64742-48-9/265-150-3)	DNEL	Acute (short term) Inhalation	1066,67 mg/m³	Workers	Local
Naphtha (petroleum), hydrotreated heavy (64742-48-9/265-150-3)	DNEL	Chronic (long term) Inhalation	0,41 mg/m³	Consumers	Systemic
Naphtha (petroleum), hydrotreated heavy (64742-48-9/265-150-3)	DNEL	Acute (short term) Inhalation	1152 mg/m³	Consumers	Systemic
Naphtha (petroleum), hydrotreated heavy (64742-48-9/265-150-3)	DNEL	Chronic (long term) Inhalation	178,57 mg/m³	Consumers	Local
Naphtha (petroleum), hydrotreated heavy (64742-48-9/265-150-3)	DNEL	Acute (short term) Inhalation	640 mg/m³	Consumers	Local
Naphtha (petroleum), hydrotreated heavy (64742-48-9/265-150-3)	DNEL	Chronic (long term) Oral	300 mg/kg bw/day	Consumers	Systemic
Naphtha (petroleum), hydrotreated heavy (64742-48-9/265-150-3)	DNEL	Chronic (long term) Dermal	300 mg/kg bw/day	Workers	Systemic
Naphtha (petroleum), hydrotreated heavy (64742-48-9/265-150-3)	DNEL	Chronic (long term) Dermal	300 mg/kg bw/day	Consumers	Systemic
Reaction products of benzenesulfonic acid, mono-C20–24 (even-numbered) sec-alkyl derivatives, para-, 0.1–<0.5% Calcium salts (-/947-519-7)	DNEL	Chronic (long term) Inhalation	17,63 mg/m³	Workers	Systemic
Reaction products of benzenesulfonic acid, mono-C20–24 (even-numbered) sec-alkyl derivatives, para-, 0.1–<0.5% Calcium salts (-/947-519-7)	DNEL	Chronic (long term) Dermal	25 mg/kg bw/day	Workers	Systemic
Reaction products of benzenesulfonic acid, mono-C20–24 (even-numbered) sec-alkyl	DNEL	Chronic (long term) Dermal	1,05 mg/cm²	Workers	Local

Product/Substance name (CAS No./EC No.)	Type	Exposure	Value	Population	Effects
derivatives, para-, 0.1–<0.5% Calcium salts (-/947-519-7)					
Reaction products of benzenesulfonic acid, mono-C20–24 (even-numbered) sec-alkyl derivatives, para-, 0.1–<0.5% Calcium salts (-/947-519-7)	DNEL	Chronic (long term) Inhalation	4,35 mg/m³	Consumers	Systemic
Reaction products of benzenesulfonic acid, mono-C20–24 (even-numbered) sec-alkyl derivatives, para-, 0.1–<0.5% Calcium salts (-/947-519-7)	DNEL	Chronic (long term) Dermal	12,5 mg/kg bw/day	Consumers	Systemic
Reaction products of benzenesulfonic acid, mono-C20–24 (even-numbered) sec-alkyl derivatives, para-, 0.1–<0.5% Calcium salts (-/947-519-7)	DNEL	Chronic (long term) Dermal	0,526 mg/cm²	Consumers	Local
Reaction products of benzenesulfonic acid, mono-C20–24 (even-numbered) sec-alkyl derivatives, para-, 0.1–<0.5% Calcium salts (-/947-519-7)	DNEL	Chronic (long term) Oral	2,5 mg/kg bw/day	Consumers	Systemic

PNEC/PEC

Product/Substance name (CAS No./EC No.)	Type	Environmental compartment	Value
propan-2-ol; isopropyl alcohol; isopropanol (67-63-0/200-661-7)	PNEC	Sediment (freshwater)	552 mg/kg
propan-2-ol; isopropyl alcohol; isopropanol (67-63-0/200-661-7)	PNEC	Marine water	140,9 mg/l
propan-2-ol; isopropyl alcohol; isopropanol (67-63-0/200-661-7)	PNEC	Freshwater	140,9 mg/l
propan-2-ol; isopropyl alcohol; isopropanol (67-63-0/200-661-7)	PNEC	Sediment (marine water)	552 mg/kg
propan-2-ol; isopropyl alcohol; isopropanol (67-63-0/200-661-7)	PNEC	Soil	28 mg/kg
propan-2-ol; isopropyl alcohol; isopropanol (67-63-0/200-661-7)	PNEC	Intermittent releases (freshwater)	140,9 mg/l

Product/Substance name (CAS No./EC No.)	Type	Environmental compartment	Value
propan-2-ol; isopropyl alcohol; isopropanol (67-63-0/200-661-7)	PNEC	Oral (Secondary Poisoning)	160 mg/kg
propan-2-ol; isopropyl alcohol; isopropanol (67-63-0/200-661-7)	PNEC	Sewage Treatment Plant	2251 mg/l
Reaction products of benzenesulfonic acid, mono-C20–24 (even-numbered) sec-alkyl derivatives, para-, 0.1–<0.5% Calcium salts (-/947-519-7)	PNEC	Freshwater	0,1 mg/l
Reaction products of benzenesulfonic acid, mono-C20–24 (even-numbered) sec-alkyl derivatives, para-, 0.1–<0.5% Calcium salts (-/947-519-7)	PNEC	Intermittent releases (freshwater)	1 mg/l
Reaction products of benzenesulfonic acid, mono-C20–24 (even-numbered) sec-alkyl derivatives, para-, 0.1–<0.5% Calcium salts (-/947-519-7)	PNEC	Marine water	0,1 mg/l
Reaction products of benzenesulfonic acid, mono-C20–24 (even-numbered) sec-alkyl derivatives, para-, 0.1–<0.5% Calcium salts (-/947-519-7)	PNEC	Sediment (freshwater)	166,32 mg/kg
Reaction products of benzenesulfonic acid, mono-C20–24 (even-numbered) sec-alkyl derivatives, para-, 0.1–<0.5% Calcium salts (-/947-519-7)	PNEC	Sediment (marine water)	166,32 mg/kg
Reaction products of benzenesulfonic acid, mono-C20–24 (even-numbered) sec-alkyl derivatives, para-, 0.1–<0.5% Calcium salts (-/947-519-7)	PNEC	Sewage Treatment Plant	1000 mg/l
Reaction products of benzenesulfonic acid, mono-C20–24 (even-numbered) sec-alkyl derivatives, para-, 0.1–<0.5% Calcium salts (-/947-519-7)	PNEC	Soil	33,12 mg/kg

8.2. Exposure controls

Appropriate engineering controls

If local extraction is not possible or insufficient, good ventilation of the work area should be ensured if possible. of the work area should be ensured. Do not inhale gas/vapor/aerosol.

Personal Protective Equipment Symbols



Eye / face protection
Wear eye protection/face protection. Suitable eye protection: Frame goggles with side protection DIN EN 166

Hand protection
When handling chemical substances, only chemical protective gloves with a CE mark including a four-digit test number may be worn. The design of chemical protective gloves must be depending on the concentration and quantity of hazardous substances. It is recommended recommended to clarify the chemical resistance of the above-mentioned protective gloves for special applications with the glove manufacturer.
Glove material: Nitrile rubber
Glove material thickness: 0.4 mm EN ISO 374
Breakthrough time: >120 min
It is recommended to clarify the chemical resistance of the above-mentioned protective gloves for special applications with the glove manufacturer.

Other skin protection
Wear antistatic shoes and work clothing.

Respiratory protection
Wear respiratory protection if ventilation is inadequate. Suitable respiratory protection device: Combination filter device A-P2

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state
Liquid

Colour
dark gray

Odour
after mineral oil

Melting point / freezing point
Not applicable.

Boiling point or initial boiling point and boiling range
< -20 °C

Flammability
Not determined.

Lower and upper explosion limit
Lower: 0.6% by volume; Upper: 12% by volume

Flash point
< -20 °C

Auto-ignition temperature
> 200 °C

Decomposition temperature
Not determined.

pH
Not applicable.

Kinematic viscosity
Not applicable.

Solubility
No data available

Water solubility
insoluble

Partition coefficient n-octanol/water
Not determined.

Vapour pressure
Not determined.

Density and/or relative density
0,751 g/cm³
Method
calculated

Relative vapour density
Not determined.

Evaporation Rate
Not determined.

Explosive properties
Heating may cause explosion. Formation of explosive/highly flammable vapor/air mixtures possible during use.

Oxidising properties
Not oxidizing.

VOC %
499,134 g/l

Particle characteristics
Not applicable.

9.2. Other information
No data available

SECTION 10: Stability and reactivity

10.1. Reactivity
Extremely flammable aerosol. Pressurised container: May burst if heated.

10.2. Chemical stability
Stable under normal temperature conditions.

10.3. Possibility of hazardous reactions
No dangerous reactions are known.

10.4. Conditions to avoid
Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
Vapors can form an explosive mixture with air.

10.5. Incompatible materials
There is no information available.

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

ATEmix calculated
ATE (oral) > 2000 mg/kg; ATE (dermal) > 2000 mg/kg; ATE (inhalation vapor) > 20 mg/l; ATE (inhalation dust/mist) > 5 mg/l

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
Naphtha (petroleum), hydrotreated heavy 64742-48-9 / 265-150-3	LC50	8,5 mg/l	Inhalative	4 h	Rat	-
Naphtha (petroleum), hydrotreated heavy 64742-48-9 / 265-150-3	LD50	> 6000 mg/kg	Oral	-	Rat	-
Reaction products of benzenesulfonic acid, mono-C20–24 (even-numbered) sec-alkyl derivatives, para-, 0.1–<0.5% Calcium salts / 947-519-7	LD50	> 10000 - < 20000 mg/kg	Oral	-	Rat	-
Reaction products of benzenesulfonic acid, mono-C20–24 (even-numbered) sec-alkyl derivatives, para-, 0.1–<0.5% Calcium salts / 947-519-7	LD50	> 2000 mg/kg	Dermal	-	Rat	OECD 402
Hydrocarbons C6-C7, n-alkanes, isoalkanes, cyclenes, <5% n-hexane / 921-024-6	LD50	> 5840 mg/kg	Oral	-	Rat	OECD 401
Hydrocarbons C6-C7, n-alkanes, isoalkanes, cyclenes, <5% n-hexane / 921-024-6	LD50	> 2920 mg/kg	Dermal	-	Rabbit	OECD 402

Product / Substance name CAS / EC no.	Dose descriptor	Value / Dose	Exposure route	Duration of exposure	Test animals	Method / Guideline
Hydrocarbons C6-C7, n-alkanes, isoalkanes, cyclenes, <5% n-hexane / 921-024-6	LC50	>25,2 mg/l	Inhalativ	4 hours	Rat	OECD 403
propan-2-ol; isopropyl alcohol; isopropanol 67-63-0 / 200-661-7	LC50	30 mg/l	Inhalative	4 hours	Rat	-
propan-2-ol; isopropyl alcohol; isopropanol 67-63-0 / 200-661-7	LD50	5840 mg/kg	Oral	-	Rat	OECD 401
propan-2-ol; isopropyl alcohol; isopropanol 67-63-0 / 200-661-7	LD50	13900 mg/kg	Dermal	-	Rabbit	OECD 402

Skin corrosion/irritation
Skin corrosion/irritation: Causes skin irritation.

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
May cause drowsiness or dizziness. (Hydrocarbons, C6-C7, n-alkanes, isoalkanes, cyclenes, < 5% n-hexane)

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

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

11.2. Information on other hazards

Endocrine disrupting properties
This product does not contain any substance that exhibits endocrine disrupting properties towards humans, as no ingredient meets the criteria.

Other information
The mixture is classified as hazardous according to Regulation (EC) No 1272/2008 [CLP].

Other
Water hazard class (WGK): 2, significantly hazardous to water.

SECTION 12: Ecological information

12.1. Toxicity

Acute toxicity
Harmful to aquatic life with long lasting effects.

Acute fish toxicity

Product / Substance name CAS / EC no.	Measurement type	Value / Result	Duration of exposure	Species	Method / Guideline
Hydrocarbons C6-C7, n-alkanes, isoalkanes, cyclenes, <5% n-hexane / 921-024-6	LC50	11,4 mg/l	96 hours	Onchorhynchus mykiss (Rainbow trout)	OECD 203
propan-2-ol; isopropyl alcohol; isopropanol 67-63-0 / 200-661-7	NOEC	>1000 mg/l	28 days	Brachydanio rerio (Zebra Fish)	-
propan-2-ol; isopropyl alcohol; isopropanol 67-63-0 / 200-661-7	LC50	10000 mg/l	96 hours	Pimephales promelas (Fat-head Minnow)	OECD 203
Naphtha (petro-	LL50	8,2 mg/l	96 hours	Pimephales pro-	-

Product / Substance name CAS / EC no.	Measurement type	Value / Result	Duration of exposure	Species	Method / Guideline
leum), hydrotreated heavy 64742-48-9 / 265-150-3				melas (Fat-head Minnow)	
Naphtha (petroleum), hydrotreated heavy 64742-48-9 / 265-150-3	NOEC	2,6 mg/l	21 days	Daphnia magna	OECD 211
Reaction products of benzenesulfonic acid, mono-C20–24 (even-numbered) sec-alkyl derivatives, para-, 0.1–<0.5% Calcium salts / 947-519-7	LC50	> 100 mg/l	96 hours	-	REACH dossier information
propane 74-98-6 / 200-827-9	NOEC	3,599 mg/l	30 days	fish	-
propane 74-98-6 / 200-827-9	LC50	53,141 mg/l	96 hours	fish	-

Acute algae toxicity

Product / Substance name CAS / EC no.	Measurement type	Value / Result	Duration of exposure	Species	Method / Guideline
Naphtha (petroleum), hydrotreated heavy 64742-48-9 / 265-150-3	ErC50	3,1 mg/l	72 hours	Raphidocelis subcapitata	OECD 201
Reaction products of benzenesulfonic acid, mono-C20–24 (even-numbered) sec-alkyl derivatives, para-, 0.1–<0.5% Calcium salts / 947-519-7	ErC50	> 1000 mg/l	96 hours	-	REACH dossier information

Product / Substance name CAS / EC no.	Measurement type	Value / Result	Duration of exposure	Species	Method / Guideline
propane 74-98-6 / 200-827-9	ErC50	19,37 mg/l	96 hours	algae	-
Hydrocarbons C6-C7, n-alkanes, isoalkanes, cyclenes, <5% n-hexane / 921-024-6	ErC50	30-100 mg/l	72 hours	Pseudokirchneriella subcapitata	OECD 201
propan-2-ol; isopropyl alcohol; isopropanol 67-63-0 / 200-661-7	ErC50	>100 mg/l	72 hours	Scenedesmus subspicatus	-

Acute crustacean toxicity

Product / Substance name CAS / EC no.	Measurement type	Value / Result	Duration of exposure	Species	Method / Guideline
Naphtha (petroleum), hydrotreated heavy 64742-48-9 / 265-150-3	EL50	4,5 mg/l	48 hours	Daphnia magna	OECD 202
Naphtha (petroleum), hydrotreated heavy 64742-48-9 / 265-150-3	NOEC	2,6 mg/l	21 days	Daphnia magna	OECD 211
Reaction products of benzenesulfonic acid, mono-C20–24 (even-numbered) sec-alkyl derivatives, para-, 0.1–<0.5% Calcium salts / 947-519-7	EC50	> 1000 mg/l	48 hours	-	REACH dossier information
propane 74-98-6 / 200-827-9	EC50	29,662 mg/l	48 hours	Daphnid	-
propane 74-98-6 / 200-827-9	NOEC	1,95 mg/l	30 days	Daphnid	-

Product / Substance name CAS / EC no.	Measurement type	Value / Result	Duration of exposure	Species	Method / Guideline
Hydrocarbons C6-C7, n-alkanes, isoalkanes, cyclenes, <5% n-hexane / 921-024-6	NOEC	1 mg/l	21 days	Daphnia magna	OECD 211
Hydrocarbons C6-C7, n-alkanes, isoalkanes, cyclenes, <5% n-hexane / 921-024-6	EL50	3,0 mg/l	48 hours	Daphnia magna	OECD 202
propan-2-ol; isopropyl alcohol; isopropanol 67-63-0 / 200-661-7	NOEC	>1000 mg/l	21 days	Daphnia magna	-
propan-2-ol; isopropyl alcohol; isopropanol 67-63-0 / 200-661-7	EC50	> 100 mg/l	48 hours	Daphnia magna	OECD 202

Micro-/macro organism toxicity

Product / Substance name CAS / EC no.	Measurement type	Value / Result	Duration of exposure	Species	Method / Guideline
Reaction products of benzenesulfonic acid, mono-C20–24 (even-numbered) sec-alkyl derivatives, para-, 0.1–<0.5% Calcium salts / 947-519-7	EC50	> 10000 mg/l ()	3 hours	activated sludge of a predominantly domestic sewag	OECD 209
propan-2-ol; isopropyl alcohol; isopropanol 67-63-0 / 200-661-7	EC50	>100 mg/l	-	-	-

12.2. Persistence and degradability
The product has not been tested.

Product / Substance name CAS / EC no.	Duration	Result
Naphtha (petroleum), hydrotreated heavy 64742-48-9 / 265-150-3	28 days	89 % Readily biodegradable according to OECD criteria
Hydrocarbons C6-C7, n-alkanes, isoalkanes, cyclenes, <5% n-hexane / 921-024-6	28 days	98 % Readily biodegradable according to OECD criteria
propan-2-ol; isopropyl alcohol; isopropanol 67-63-0 / 200-661-7	5 days	53 % Readily biodegradable according to OECD criteria

12.3. Bioaccumulative potential

The product has not been tested.

Product / Substance name CAS / EC no.	LogKow / LogPow	Bioconcentration factor (BCF)	Species	Method / Guideline
butane 106-97-8 / 203-448-7	2,89	-	-	-
Reaction products of benzenesulfonic acid, mono-C20–24 (even-numbered) sec-alkyl derivatives, para-, 0.1–<0.5% Calcium salts / 947-519-7	>= 5,38	-	fish	Study report (2017)
propane 74-98-6 / 200-827-9	2,36	-	-	-
Hydrocarbons C6-C7, n-alkanes, isoalkanes, cyclenes, <5% n-hexane / 921-024-6	4-5,1	-	-	-
propan-2-ol; isopropyl alcohol; isopropanol 67-63-0 / 200-661-7	0,05	0,994	-	REACH dossier information

12.4. Mobility in soil

Mobility

The product has not been tested.

12.5. Results of PBT and vPvB assessment

The substances in the mixture do not fulfill the PBT/vPvB criteria according to REACH, Annex XIII.

12.6. Endocrine disrupting properties
This product does not contain any substance that exhibits endocrine disrupting properties towards non-target organisms, as no ingredient fulfills the criteria.

12.7. Other adverse effects
No further relevant information available.

Other
Do not discharge into drains, water courses or onto the ground. Do not allow to enter the subsoil/soil.

German Water Class
WGK2 - significantly water endangering

SECTION 13: Disposal considerations

13.1. Waste treatment methods
Disposal considerations
Do not discharge into drains, water courses or onto the ground. Disposal in accordance with official regulations.

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

Waste code	Waste description
16 05 04*	gases in pressure containers (including halons) containing hazardous substances

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

SECTION 14: Transport information

14.1. UN number
1950

14.2. UN proper shipping name
ADR / RID / ADN proper shipping name
AEROSOLS, flammable

IMDG proper shipping name
AEROSOLS

14.3. Transport hazard class(es)

Label

ADR/RID/ADN



2.1

IMDG



2.1

ADR / RID Class

2
Tunnel restriction code: D
Transportation category: 2

ADR / RID Classification code

5F

IMDG Class

2

14.4. Packing group

ADR: -
IMDG: -

14.5. Environmental hazards

No.

IMDG Marine Pollutant

No.

14.6. Special precautions for user

Caution: Flammable gases.

IMDG EmS

F-D, S-U

14.7. Maritime transport in bulk according to IMO instruments

Not applicable.

Other

Additional information ADR-RID

Limited quantity: 1 L

Additional information IMDG

Limited quantity: 1 L

SECTION 15: Regulatory information

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

EU regulations

Annex XVII (REACH): The product is subject to the following restrictions according to Annex XVII, Regulation (EC) 1907/2006 (REACH): 3 , 29 , 40 , 57 , 75

Directive 2010/75/EU on industrial emissions: 66,419 % (498,805 g/l)

Directive 2004/42/EC on VOC paints and varnishes: 66,463 % (499,134 g/l)

Information on the SEVESO III Directive 2012/18/EU: P3a FLAMMABLE AEROSOLE

Additional information To be observed: 850/2004/EC, 1107/2009/EC, 649/2012/EC Aerosol Directive (75/324/EEC).

National regulations

Employment restrictions: Observe employment restrictions for young people (§ 22 JArbSchG)

Water hazard class (WGK): 2, significantly hazardous to water.

Storage class: 2B Compressed gas packs (aerosol dispensers)
Status Classification of mixtures according to Annex 1, No. 5 AwSV

15.2. Chemical safety assessment

No chemical safety assessment has been carried out.

SECTION 16: Other information

Changes to previous revision
1, ,2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 15 (2025-01-23 Rev. 2.0)

Phrase meaning
Aerosol 1 - Aerosol, Hazard category 1
Asp. Tox. 1 - Aspiration hazard, hazard category 1
Skin Irrit. 2 - Skin irritation, hazard category 2
STOT SE 3 - narcosis - Specific Target Organ Toxicity — Single exposure, hazard category 3 - narcosis
Aquatic Chronic 3 - Hazardous to the aquatic environment — Chronic hazard category 3
Flam. Gas 1 - Flammable gases, hazard category 1
Press. Gas - Liquefied gas - Gases under pressure, Liquefied gas
Flam. Gas 1A - Flammable gases, hazard category 1A
Flam. Liq. 2 - Flammable liquids, hazard category 2
Aquatic Chronic 2 - Hazardous to the aquatic environment — Chronic hazard category 2
Flam. Sol. 2 - Flammable solids, hazard category 2
Eye Irrit. 2 - Eye irritation, hazard category 2
Flam. Liq. 3 - Flammable liquids, hazard category 3
Skin Sens. 1B - Skin sensitisation, hazard category 1, sub-category 1B
H220 Extremely flammable gas.
H222 Extremely flammable aerosol.
H225 Highly flammable liquid and vapour.
H226 Flammable liquid and vapour.
H228 Flammable solid.
H229 Pressurised container: May burst if heated
H280 Contains gas under pressure; may explode if heated.
H304 May be fatal if swallowed and enters airways.
H315 Causes skin irritation.
H317 May cause an allergic skin reaction.
H319 Causes serious eye irritation.
H336 May cause drowsiness or dizziness.
H411 Toxic to aquatic life with long lasting effects.
H412 Harmful to aquatic life with long lasting effects.
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.