

Safety Data Sheet

according to Regulation (EC) No 1907/2006 (REACH) and Regulation (EU) 2020/878

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

1.1 Product identifier

Trade name: AUTOL SP 5 STEUERFREI

UFI: 2K70-Q0JH-M00E-1NEK

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

General use: Non water-soluble cooling lubricant.
Reserved for industrial and professional use.

1.3 Details of the supplier of the safety data sheet

Company name: Enilive Schmiertechnik GmbH

Street/POB-No.: Paradiesstraße 14

Postal Code, city: 97080 Würzburg
Germany

E-mail: info.wuerzburg@enilive.com

Telephone: +49 (0)931-90098-0

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Department responsible for information:

Application Engineering & Product Management (AEPM)

Telephone: +49 (0)931-90098-0

E-mail: technik.wuerzburg@enilive.com

1.4 Emergency telephone number

GIZ-Nord, Göttingen
Telephone: +49 (0)551-19240

SECTION 2: Hazards identification

2.1 Classification of the substance or mixture

Classification according to EC regulation 1272/2008 (CLP)

Asp. Tox. 1; H304 May be fatal if swallowed and enters airways.
(EUH066) Repeated exposure may cause skin dryness or cracking.

2.2 Label elements

Labelling (CLP)



Signal word: **Danger**

Hazard statements: H304 May be fatal if swallowed and enters airways.
EUH066 Repeated exposure may cause skin dryness or cracking.



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Precautionary statements:

P101	If medical advice is needed, have product container or label at hand.
P102	Keep out of reach of children.
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 hazardous or special waste collection point.

Special labelling

Text for labelling:

Contains:
Distillates (petroleum), hydrotreated light paraffinic
Hydrocarbons, C14-C18, n-alkanes, isoalkanes, cyclics, aromatics (2-30%)

2.3 Other hazards

Special danger of slipping by leaking/spilling product.

Endocrine disrupting properties, Results of PBT and vPvB assessment:

This product does not contain a substance that has endocrine disrupting properties with respect to non-target organisms as no components meets the criteria.
The product contains no components classified as PBT or as vPvB at concentrations of 0.1% or higher.

SECTION 3: Composition/information on ingredients

3.1 Substances: not applicable

3.2 Mixtures

Chemical characterisation: Mixture of the substances listed below with non-hazardous additions

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Hazardous ingredients:

Identifiers	Designation Classification	Content
REACH 01-2119487077-29-xxxx EC No. 265-158-7 CAS 64742-55-8	Distillates (petroleum), hydrotreated light paraffinic Asp. Tox. 1; H304.	< 55 %
REACH 01-2119448343-41-xxxx list no. 920-360-0	Hydrocarbons, C14-C18, n-alkanes, isoalkanes, cyclics, aromatics (2-30%) Asp. Tox. 1; H304. (EUH066).	< 50 %
REACH 01-2119490822-33-xxxx EC No. 204-884-0 CAS 128-39-2	2,6-di-tert-butylphenol Skin Irrit. 2; H315. Aquatic Acute 1; H400. Aquatic Chronic 1; H410.	< 0,25 %
REACH 01-2119487289-20-xxxx EC No. 203-234-3 CAS 104-76-7	2-Ethylhexan-1-ol Acute Tox. 4; H332. Skin Irrit. 2; H315. Eye Irrit. 2; H319. STOT SE 3; H335.	< 0,1 %
EC No. 203-625-9 CAS 108-88-3	Toluene Flam. Liq. 2; H225. Skin Irrit. 2; H315. Repr. 2; H361d. STOT SE 3; H336. STOT RE 2; H373. Asp. Tox. 1; H304.	< 0,1 %
EC No. 203-632-7 CAS 108-95-2	Phenol Acute Tox. 3; H301. Acute Tox. 3; H311. Acute Tox. 3; H331. Skin Corr. 1B; H314. Muta. 2; H341. STOT RE 2; H373. Specific concentration limits (SCL): Skin Corr. 1B; H314: C ≥ 3 % / Skin Irrit. 2; H315: 1 % ≤ C < 3 % / Eye Irrit. 2; H319: 1 % ≤ C < 3 %	< 0,1 %

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

Additional information: The highly refined mineral oil contains <3% (w/w) DMSO extract, according to IP346.

SECTION 4: First aid measures

4.1 Description of first aid measures

General information:	If medical advice is needed, have product container or label at hand. Take off contaminated clothing and wash it before reuse.
In case of inhalation:	Remove person to fresh air and keep comfortable for breathing. In the event of discomfort seek medical treatment.
Following skin contact:	Immediately clean with water and soap followed by thorough rinsing. In case of skin reactions, consult a physician.
After eye contact:	Immediately flush eyes with plenty of flowing water for 10 to 15 minutes holding eyelids apart. Remove contact lenses, if present and easy to do. Continue rinsing. In case of eye irritation consult an ophthalmologist.
After swallowing:	Rinse mouth with water. Never give anything by mouth to an unconscious person. Caution if victim vomits: Risk of aspiration! Keep airway open. Immediately get medical attention.

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4.2 Most important symptoms and effects, both acute and delayed

May be fatal if swallowed and enters airways.
Repeated exposure may cause skin dryness or cracking.

4.3 Indication of any immediate medical attention and special treatment needed

Treat symptomatically.
Aspiration hazard: in case of swallowing or vomiting danger of penetration into the lungs.
When swallowed and vomited immediately, aspiration into the lungs may occur resulting in chemical pneumonia or suffocation.

SECTION 5: Firefighting measures

5.1 Extinguishing media

Suitable extinguishing media:

Water spray jet, extinguishing powder, foam, sand, carbon dioxide.

Extinguishing media which must not be used for safety reasons:

Full water jet.

5.2 Special hazards arising from the substance or mixture

May form dangerous gases and vapours in case of fire.
Furthermore, there may develop: Nitrogen oxides (NO_x), sulphur dioxide (SO₂), carbon monoxide and carbon dioxide.

5.3 Advice for firefighters

Special protective equipment for firefighters:

Wear a self-contained breathing apparatus and chemical protective clothing.

Additional information:

Do not inhale explosion and combustion gases. Use fine water spray to cool endangered containers.

Do not allow water used to extinguish fire to enter drains, ground or waterways.

Fire residuals and contaminated extinguishing water must be disposed of in accordance with the regulations of the local authorities.

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

Wear appropriate protective equipment. Provide adequate ventilation. Use a breathing protection against vapours/aerosol. Avoid breathing mist/vapours/spray. Avoid contact with skin, eyes and clothes. Vapours can form explosive mixtures with air. Remove all sources of ignition. Keep unprotected people away. Stop leak if safe to do so.

6.2 Environmental precautions

Do not allow to enter into ground-water, surface water or drains.
If necessary notify appropriate authorities.

6.3 Methods and material for containment and cleaning up

Absorb with liquid-binding material (e.g. sand, diatomaceous earth, acid- or universal binding agents) and place in closed containers for disposal. Prevent spread over a wide area (e.g. by containment or oil barriers). Clean contaminated objects and areas thoroughly observing environmental regulations.



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Additional information: Special danger of slipping by leaking/spilling product.

6.4 Reference to other sections

Refer additionally to section 8 and 13.

SECTION 7: Handling and storage

7.1 Precautions for safe handling

Advices on safe handling: Provide adequate ventilation, and local exhaust as needed. Wear appropriate protective equipment. Avoid breathing mist/vapours/spray. Avoid oil mist formation. Do not eat, drink or smoke when using this product. Wash hands thoroughly after handling. Take off contaminated clothing and wash it before reuse. Do not put any product-impregnated cleaning rags into your trouser pockets. Have eye wash bottle or eye rinse ready at work place.

Precautions against fire and explosion:

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

7.2 Conditions for safe storage, including any incompatibilities

Requirements for storerooms and containers:

Store container tightly closed in a dry and cool place. Keep only in the original container. Protect from light. temperature control required.

Hints on joint storage:

Do not store together with strong oxidizing agents or gas (combustible). Do not store together with highly flammable materials. Store at a distance from fire-supporting and explosive substances or objects. Keep away from food, drink and animal feedingstuffs.

Storage class:

10 = Combustible liquids that cannot be assigned to any of the above storage classes

7.3 Specific end use(s)

No information available.



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SECTION 8: Exposure controls/personal protection

8.1 Control parameters

Occupational exposure limit values:

CAS No.	Designation	Type	Limit value
-	Hydrocarbons, C14-C18, n-alkanes, isoalkanes, cyclics, aromatics (2-30%)	Germany: TRGS 900 Kurzzeit	100 mg/m ³ (hydrocarbons, aromatic, C9-C14)
		Germany: TRGS 900 Langzeit	50 mg/m ³ (hydrocarbons, aromatic, C9-C14)
104-76-7	2-Ethylhexan-1-ol	Europe: IOELV: TWA	5,4 mg/m ³ ; 1 ppm
		Germany: TRGS 900 Langzeit	5,4 mg/m ³ ; 1 ppm (Aerosol and vapour)
108-88-3	Toluene	Europe: IOELV: STEL	384 mg/m ³ ; 100 ppm (may be absorbed through the skin)
		Europe: IOELV: TWA	192 mg/m ³ ; 50 ppm (may be absorbed through the skin)
		Germany: TRGS 900 Kurzzeit	380 mg/m ³ ; 100 ppm (may be absorbed through the skin)
		Germany: TRGS 900 Langzeit	190 mg/m ³ ; 50 ppm (may be absorbed through the skin)
108-95-2	Phenol	Europe: IOELV: STEL	16 mg/m ³ ; 4 ppm (may be absorbed through the skin)
		Europe: IOELV: TWA	8 mg/m ³ ; 2 ppm (may be absorbed through the skin)
		Germany: TRGS 900 Kurzzeit	16 mg/m ³ ; 4 ppm (Aerosol and vapour, may be absorbed through the skin)
		Germany: TRGS 900 Langzeit	8 mg/m ³ ; 2 ppm (Aerosol and vapour, may be absorbed through the skin)



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Biological limit values:

CAS No.	Designation	Type	Limit value	Parameter	Sampling
108-88-3	Toluene	Germany: TRGS 903, blood	600 µg/L	toluene	immediately after exposure
		Germany: TRGS 903, urine	1,5 mg/L	o-cresol	at long term exposure: at the end of the shift after several previous shifts
		Germany: TRGS 903, urine	75 µg/L	toluene	end of exposure or end of shift
108-95-2	Phenol	Europe: BLV, urine	120 mg/g creatinine	phenol	no restriction
		Germany: TRGS 903, urine	120 mg/g creatinine	phenol	end of exposure or end of shift

DNEL/DMEL:

Information about Distillates (petroleum), hydrotreated light paraffinic:

DNEL workers, long-term, systemic, inhalative: 2,73 mg/m³

DNEL workers, long-term, local, inhalative: 5,58 mg/m³

DNEL workers, long-term, systemic, dermal: 0,97 mg/kg bw/d

DNEL consumers, long-term, systemic, oral: 0,74 mg/kg bw/d

Information about 2,6-di-tert-butylphenol:

DNEL workers, long-term, systemic, inhalative: 70,61 mg/m³

DNEL workers, long-term, systemic, dermal: 11,25 mg/kg bw/d

DNEL consumers, long-term, systemic, inhalative: 20,9 mg/m³

DNEL consumers, long-term, systemic, dermal: 6,75 mg/kg bw/d

DNEL consumers, long-term, systemic, oral: 6,75 mg/kg bw/d

Information about 2-Ethylhexan-1-ol:

DNEL workers, long-term, systemic, inhalative: 12,8 mg/m³

DNEL workers, long-term, local, inhalative: 53,2 mg/m³

DNEL workers, long-term, systemic, dermal: 23 mg/kg bw/d

DNEL consumers, long-term, systemic, inhalative: 2,3 mg/m³

DNEL consumers, long-term, local, inhalative: 26,6 mg/m³

DNEL consumers, short-term, local, inhalative: 26,6 mg/m³

DNEL consumers, long-term, systemic, dermal: 11,4 mg/kg bw/d

DNEL consumers, long-term, systemic, oral: 1,1 mg/kg bw/d



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PNEC: Information about Distillates (petroleum), hydrotreated light paraffinic:
PNEC oral: 9,33 mg/kg Food

Information about 2,6-di-tert-butylphenol:
PNEC water (freshwater): 0,001 mg/L
PNEC water (freshwater, intermittent release): 0,004 mg/L
PNEC water (marine water): 0,0001 mg/L
PNEC sewage treatment plant: 10 mg/L
PNEC sediment (freshwater): 0,317 mg/kg dw
PNEC sediment (marine water): 0,0317 mg/kg dw
PNEC soil: 0,679 mg/kg dw
PNEC oral: 60 mg/kg Food

Information about 2-Ethylhexan-1-ol:
PNEC water (freshwater): 0,017 mg/L
PNEC water (freshwater, intermittent release): 0,17 mg/L
PNEC water (marine water): 0,002 mg/L
PNEC sewage treatment plant: 10 mg/L
PNEC sediment (freshwater): 0,284 mg/kg dw
PNEC sediment (marine water): 0,028 mg/kg dw
PNEC soil: 0,047 mg/kg dw
PNEC oral: 55 mg/kg Food

8.2 Exposure controls

Provide good ventilation and/or an exhaust system in the work area.

Personal protection equipment

Occupational exposure controls

Respiratory protection: Respiratory protection must be worn whenever the WEL levels have been exceeded. Use filter type A2/P2 according to EN 14387. The filter class must be suitable for the maximum contaminant concentration (gas/vapour/aerosol/particulates) that may arise when handling the product.

Hand protection: Protective gloves according to DIN EN ISO 374:1. Glove material: Nitrile rubber, neoprene, fluoro rubber. Breakthrough time: 240 - 480 min. Observe glove manufacturer's instructions concerning penetrability and breakthrough time.

Eye protection: Tightly sealed goggles according to DIN EN ISO 16321-1:2022.

Body protection: Wear suitable protective clothing.

General protection and hygiene measures: Avoid breathing mist/vapours/spray. Do not get in eyes, on skin, or on clothing. Take off contaminated clothing and wash it before reuse. Do not eat, drink or smoke when using this product. Wash hands thoroughly after handling. Do not put any product-impregnated cleaning rags into your trouser pockets. Have eye wash bottle or eye rinse ready at work place.

Environmental exposure controls

Refer to "6.2 Environmental precautions".



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SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

Physical state at 20 °C and 101.3 kPa	liquid
Colour:	colourless clear
Odour:	Characteristic
Odour threshold:	No data available
Melting point/freezing point:	No data available
Initial boiling point and boiling range:	No data available
Flammability:	No data available
Upper/lower flammability or explosive limits:	No data available
Flash point/flash point range:	132 °C (DIN ISO 2592)
Decomposition temperature:	No data available
pH:	No data available
Viscosity, kinematic:	at 40 °C: 4,871 mm ² /s (DIN EN ISO 3104)
Water solubility:	Immiscible
Partition coefficient: n-octanol/water:	2,9 log P(o/w) (2-Ethylhexan-1-ol) Based on the n-octanol/water partition coefficient significant accumulation in organisms is not expected. 2,73 log P(o/w) (Toluene) Based on the n-octanol/water partition coefficient significant accumulation in organisms is not expected. 4,5 log P(o/w) (2,6-di-tert-butylphenol) Based on the n-octanol/water partition coefficient accumulation in organisms is possible. >= 3,5 log P(o/w) (Distillates (petroleum), hydrotreated light paraffinic) Based on the n-octanol/water partition coefficient accumulation in organisms is possible. >= 3,5 log P(o/w) (Hydrocarbons, C14-C18, n-alkanes, isoalkanes, cyclics, aromatics (2-30%)) Based on the n-octanol/water partition coefficient accumulation in organisms is possible. 1,47 log P(o/w) (Phenol) Based on the n-octanol/water partition coefficient significant accumulation in organisms is not expected.
Vapour pressure:	No data available
Density:	at 15 °C: 0,856 g/mL (DIN 51757)
Vapour density:	No data available
Particle characteristics:	Not applicable

9.2 Other information

Explosive properties:	No data available
Oxidizing characteristics:	No data available
Auto-ignition temperature:	No data available
Evaporation rate:	No data available
Additional information:	Pour point: -42 °C (ASTM D 5985)



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SECTION 10: Stability and reactivity

10.1 Reactivity

Refer to subsection "Possibility of hazardous reactions".

10.2 Chemical stability

Stable under recommended storage conditions.

10.3 Possibility of hazardous reactions

No hazardous reaction when handled and stored according to provisions.

10.4 Conditions to avoid

Keep away from heat sources, sparks and open flames.
Protect from direct sunlight.

10.5 Incompatible materials

Strong oxidizing agents, gas (combustible).

10.6 Hazardous decomposition products

No hazardous decomposition products when regulations for storage and handling are observed.

Thermal decomposition: No data available



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SECTION 11: Toxicological information

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

Toxicological effects: The statements are derived from the properties of the single components. No toxicological data is available for the product as such.

Acute toxicity (oral): Based on available data, the classification criteria are not met.
ATEmix (calculated): ATE > 2.000 mg/kg

Acute toxicity (dermal): Based on available data, the classification criteria are not met.
ATEmix (calculated): ATE > 2.000 mg/kg

Acute toxicity (inhalative): Based on available data, the classification criteria are not met.
ATEmix (calculated): ATE (vapour) > 20 mg/L
ATEmix (calculated): ATE (dusts/mist) > 5 mg/L

Skin corrosion/irritation: Based on available data, the classification criteria are not met.
Repeated exposure may cause skin dryness or cracking.

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

Sensitisation to the respiratory tract: Based on available data, the classification criteria are not met.
May cause sensitisation especially in sensitive humans.

Skin sensitisation: Based on available data, the classification criteria are not met.
May cause sensitisation especially in sensitive humans.

Germ cell mutagenicity/Genotoxicity: 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.

Effects on or via lactation: Lack of data.

Specific target organ toxicity (single exposure): Based on available data, the classification criteria are not met.

Specific target organ toxicity (repeated exposure): Based on available data, the classification criteria are not met.

Aspiration hazard: Asp. Tox. 1; H304 = May be fatal if swallowed and enters airways.



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11.2 Information on other hazards

Endocrine disrupting properties:

No data available

Other information:

Information about Distillates (petroleum), hydrotreated light paraffinic:

LD50 Rat, oral: > 5.000 mg/kg (OECD 401)

LD50 Rabbit, dermal: > 2.000 mg/kg (OECD 402)

LC50 Rat, inhalative (dusts/mist): > 5,53 mg/L/4h (OECD 403)

Information about Hydrocarbons, C14-C18, n-alkanes, isoalkanes, cyclics, aromatics (2-30%):

LD50 Rat, oral: > 4.150 mg/kg (OECD 423)

LD50 Rabbit, dermal: > 2.000 mg/kg

LC50 Rat, inhalative (dusts/mist): > 5,28 mg/L/4h

Information about 2,6-di-tert-butylphenol:

LD50 Rat, oral: > 5.000 mg/kg (OECD 401)

LD50 Rat, dermal: > 2.000 mg/kg

Information about 2-Ethylhexan-1-ol:

LD50 Rat, oral: 2.047 mg/kg (OECD 401)

LD0 Rat, dermal: > 3.000 mg/kg (OECD 402)

LC50 Rat, inhalative (dusts/mist): 0,89 - 5,3 mg/L/4h (OECD 403)

Information about Toluene:

LD50 Rat, oral: 5.580 mg/kg

LD50 Rabbit, dermal: > 5.000 mg/kg

LC50 Rat, inhalative (vapour): 25,7 mg/L/4h (OECD 403)

Information about Phenol:

LD50 Rat, oral: 282 mg/kg

LD50 Rabbit, dermal: 660 mg/kg (OECD 402)

ATE, inhalative (vapour): 3 mg/L/4h

Symptoms

After contact with skin:

Frequent contact, in particular after surface drying, may cause skin and eye irritations.



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SECTION 12: Ecological information

12.1 Toxicity

Aquatic toxicity:

Information about Distillates (petroleum), hydrotreated light paraffinic:

Fish toxicity:

LL50 Pimephales promelas (fathead minnow): > 100 mg/L/96h (OECD 203)

Daphnia toxicity:

EL50 Daphnia magna (Big water flea): > 10.000 mg/L/48h (OECD 202)

NOEL Daphnia magna (Big water flea): 10 mg/L/21d (OECD 211)

Algae toxicity:

NOEL Pseudokirchneriella subcapitata (green algae): \geq 100 mg/L/72h (OECD 201)

Information about Hydrocarbons, C14-C18, n-alkanes, isoalkanes, cyclics, aromatics (2-30%):

Fish toxicity:

LL0 Oncorhynchus mykiss: \geq 1.000 mg/L/96h (OECD 203)

Daphnia toxicity:

EL0 Daphnia magna (Big water flea): \geq 1.000 mg/L/48h (OECD 202)

Algae toxicity:

EL50 Pseudokirchneriella subcapitata (green algae): 1.000 mg/L/72h (OECD 201)

Information about 2,6-di-tert-butylphenol:

Fish toxicity:

LC50 Pimephales promelas (fathead minnow): 1,4 mg/L/96h (OECD 204)

Daphnia toxicity:

EC50 Daphnia magna (Big water flea): 0,45 mg/L/48h

NOEC Daphnia magna (Big water flea): 0,035 mg/L/21d

Algae toxicity:

EC50 Pseudokirchneriella subcapitata (green algae): 1,4 mg/L/72h

Information about 2-Ethylhexan-1-ol:

Fish toxicity:

LC50 Pimephales promelas (fathead minnow): 28,2 mg/L/96h

Daphnia toxicity:

EC50 Daphnia magna (Big water flea): 39 mg/L/48h

Algae toxicity:

EC50 Desmodesmus subspicatus (green algae): 11,5 mg/L/72h

Information about Toluene:

Fish toxicity:

LC50 Oncorhynchus kisutch: 5,5 mg/L/96h

Daphnia toxicity:

LC50 Ceriodaphnia dubia: 3,78 mg/L/2d

Information about Phenol:

Fish toxicity:

LC50 Oncorhynchus mykiss: 8,9 mg/L/96h

Daphnia toxicity:

EC50 Ceriodaphnia dubia: 3,1 mg/L/48h

Algae toxicity:

EC50 Pseudokirchneriella subcapitata (green algae): 61,1 mg/L/96h

Water Hazard Class:

1 = slightly hazardous to water (Self-classification (mixture).)

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12.2 Persistence and degradability

Further details: The product is slightly soluble in water. It can be largely eliminated from the water by abiotic processes, e.g. mechanical separation.

Information about Distillates (petroleum), hydrotreated light paraffinic:
Biodegradability: 31%/28d (OECD 301F). Not easily bio-degradable.

Information about Hydrocarbons, C14-C18, n-alkanes, isoalkanes, cyclics, aromatics (2-30%):
Biodegradability: 60,7%/28d (OECD 301F). Easily bio-degradable.

Information about 2,6-di-tert-butylphenol:
Biodegradability: 4,5%/28d (OECD 301C). Not easily bio-degradable.

Information about 2-Ethylhexan-1-ol:
Biodegradability: > 60%/14d (OECD 301C). Easily bio-degradable.

Information about Toluene:
Biodegradability: > 70%/20d. Easily bio-degradable.

Information about Phenol:
Biodegradability: 62%/5d (OECD 301C). Easily bio-degradable.

12.3 Bioaccumulative potential

No indication of bioaccumulation potential.

Bioconcentration factor (BCF):
Phenol (Danio rerio (zebrafish)): 17,5

12.4 Mobility in soil

No data available

12.5 Results of PBT and vPvB assessment

The product contains no components classified as PBT or as vPvB at concentrations of 0.1% or higher.

12.6 Endocrine disrupting properties

None

12.7 Other adverse effects

General information: Do not allow to enter into ground-water, surface water or drains.

SECTION 13: Disposal considerations

13.1 Waste treatment methods

Product

Waste key number: 12 01 07* = Mineral-based machining oils free of halogens (except emulsions and solutions)
* = Evidence for disposal must be provided.

Recommendation: Dispose of waste according to applicable legislation.

Package

Waste key number: 15 01 10* = Packaging containing residues of or contaminated by dangerous substances
* = Evidence for disposal must be provided.



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Recommendation: Dispose of waste according to applicable legislation. Handle contaminated packages in the same way as the substance itself. Non-contaminated packages may be recycled.

SECTION 14: Transport information

14.1 UN number or ID number

ADR/RID, ADN, IMDG, IATA-DGR:
not applicable

14.2 UN proper shipping name

ADR/RID, ADN, IMDG, IATA-DGR:
Not restricted

14.3 Transport hazard class(es)

ADR/RID, ADN, IMDG, IATA-DGR:
not applicable

14.4 Packing group

ADR/RID, ADN, IMDG, IATA-DGR:
not applicable

14.5 Environmental hazards

Dangerous for the environment:
Substance/mixture is not environmentally hazardous according to the criteria of the UN model regulations.

Marine pollutant - IMDG: no

14.6 Special precautions for user

No dangerous good in sense of these transport regulations.

14.7 Maritime transport in bulk according to IMO instruments

No data available

SECTION 15: Regulatory information

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

National regulations - Germany

Storage class: 10 = Combustible liquids that cannot be assigned to any of the above storage classes

Water Hazard Class: 1 = slightly hazardous to water (Self-classification (mixture).)

Technical guidance air: 5.2.5

Information on working limitations:
Observe employment restrictions for young people.

Further regulations, limitations and legal requirements:
No data available



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National regulations - EC member states

Further regulations, limitations and legal requirements:

Product: Use restriction according to REACH annex XVII, no.: 3, 48, 75
Toluene: REGULATION (EC) 273/2004 (Drug precursors): Category 3
REGULATION (EC) 111/2005 (Trade with drug precursors): Category 3

15.2 Chemical Safety Assessment

For this mixture a chemical safety assessment is not required.

SECTION 16: Other information

Wording of the H-phrases under paragraph 2 and 3:

H225 = Highly flammable liquid and vapour.
H301 = Toxic if swallowed.
H304 = May be fatal if swallowed and enters airways.
H311 = Toxic in contact with skin.
H314 = Causes severe skin burns and eye damage.
H315 = Causes skin irritation.
H319 = Causes serious eye irritation.
H331 = Toxic if inhaled.
H332 = Harmful if inhaled.
H335 = May cause respiratory irritation.
H336 = May cause drowsiness or dizziness.
H341 = Suspected of causing genetic defects.
H361d = Suspected of damaging the unborn child if inhaled.
H373 = May cause damage to central nervous system through prolonged or repeated exposure via inhalation.
H400 = Very toxic to aquatic life.
H410 = Very toxic to aquatic life with long lasting effects.
EUH066 = Repeated exposure may cause skin dryness or cracking.

Reason of change: Changes in section 8: Biological Limit Value

Date of first version: 8.12.2022

Department issuing data sheet:

see section 1: Department responsible for information



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Abbreviations and acronyms:

Acute Tox.: Acute toxicity
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
Aquatic Acute: Hazardous to the aquatic environment - acute
Aquatic Chronic: Hazardous to the aquatic environment - chronic
AS/NZS: Australian Standards/New Zealand Standards
Asp. Tox.: Aspiration toxicity
ATE: Acute toxicity estimate
CAS: Chemical Abstracts Service
CFR: Code of Federal Regulations
CLP: Classification, Labelling and Packaging
DMEL: Derived minimal effect level
DNEL: Derived no-effect level
EC: European Community
EC50: Effective Concentration 50%
EL50: Effective loading rate 50%
EN: European Standard
EQ: Excepted quantities
EU: European Union
Eye Irrit.: Eye irritation
Flam. Liq.: Flammable liquid
IATA: International Air Transport Association
IATA-DGR: International Air Transport Association – Dangerous Goods Regulations
IBC Code: International Code for the Construction and Equipment of Ships carrying Dangerous Chemicals in Bulk
IMDG Code: International Maritime Dangerous Goods Code
LC50: Median lethal concentration
LD50: Lethal dose 50%
log P(o/w): Partition coefficient: octanol/water
MARPOL: Maritime Pollution: The International Convention for the Prevention of Pollution from Ships
Muta.: Mutagenicity
NOEC: No Observed Effect Concentration
NOEL: No Observed Effect Level
OECD: Organisation for Economic Co-operation and Development
OEL: Occupational Exposure Limit Value
OSHA: Occupational Safety and Health Administration
PBT: Persistent, bioaccumulative and toxic
PNEC: Predicted no-effect concentration
REACH: Registration, Evaluation, Authorisation and Restriction of Chemicals
Repr.: Reproductive toxicity
RID: Regulations Concerning the International Carriage of Dangerous Goods by Rail
Skin Corr.: Skin corrosion
Skin Irrit.: Skin irritation
STOT RE: Specific target organ toxicity - repeated exposure
STOT SE: Specific target organ toxicity - single exposure
TLV: Threshold Limit Value
TRGS: Technical Rules for Hazardous Substances
vPvB: Very persistent and very bioaccumulative
WEL: Workplace Exposure Limit

The information in this data sheet has been established to our best knowledge and was up-to-date at time of revision. It does not represent a guarantee for the properties of the product described in terms of the legal warranty regulations.

Most recent product information is available at:
<http://sumdat.net/93wmke4m>

