



AUTOL SPEZIAL FLUID N15

Material number 14160

Safety Data Sheet

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

Revision date: 20.3.2024
Version: 6.0
Replaces version: 5.0
Language: en-DE
Date of print: 3.4.2024

Page: 1 of 16

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

1.1 Product identifier

Trade name: AUTOL SPEZIAL FLUID N15

UFI: CM90-V041-Y009-WUE4

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

General use: Gear lubricant

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)

Eye Irrit. 2; H319 Causes serious eye irritation.

Asp. Tox. 1; H304 May be fatal if swallowed and enters airways.

Aquatic Chronic 2; H411 Toxic to aquatic life with long lasting effects.

2.2 Label elements

Labelling (CLP)



Signal word: **Danger**

Hazard statements: H304 May be fatal if swallowed and enters airways.

H319 Causes serious eye irritation.

H411 Toxic to aquatic life with long lasting effects.



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Safety Data Sheet

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

Page: 2 of 16

Precautionary statements:

P101	If medical advice is needed, have product container or label at hand.
P102	Keep out of reach of children.
P273	Avoid release to the environment.
P280	Wear protective gloves/protective clothing/eye protection.
P301+P310	IF SWALLOWED: Immediately call a POISON CENTER/doctor.
P331	Do NOT induce vomiting.
P391	Collect spillage.
P405	Store locked up.
P501	Dispose of contents/container to hazardous or special waste collection point.

Special labelling

EUH208	Contains 2-Tetradecyloxirane, reaction products with boric acid. May produce an allergic reaction.
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Text for labelling:

Contains:
Distillates (petroleum), solvent-refined light paraffinic
White mineral oil (petroleum)

2.3 Other hazards

Special danger of slipping by leaking/spilling product.
Avoid spills and leaks. Very small amounts contaminates drinking water.

Endocrine disrupting properties, Results of PBT and vPvB assessment:

The product does not contain any substances classified as PBT or vPvB.

CAS No.	Designation	PBT/vPvB	ED Human	ED Environment
68937-41-7	Tris(isopropylphenyl)phosphate		List II	List II
121158-58-5	Phenol, dodecyl-, branched (SVHC)		List I	List I

SECTION 3: Composition/information on ingredients

3.1 Substances: not applicable



AUTOL SPEZIAL FLUID N15

Material number 14160

Safety Data Sheet

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

Revision date: 20.3.2024

Version: 6.0

Replaces version: 5.0

Language: en-DE

Date of print: 3.4.2024

Page: 3 of 16

3.2 Mixtures

Hazardous ingredients:

Identifiers	Designation Classification	Content
REACH 01-2119487067-30-xxxx EC No. 265-091-3 CAS 64741-89-5	Distillates (petroleum), solvent-refined light paraffinic Asp. Tox. 1; H304.	60 - 80 %
REACH 01-2119487078-27-xxxx EC No. 232-455-8 CAS 8042-47-5	White mineral oil (petroleum) Asp. Tox. 1; H304.	10 - 20 %
REACH 01-2119484627-25-xxxx EC No. 265-157-1 CAS 64742-54-7	White mineral oil (petroleum) Asp. Tox. 1; H304.	< 5 %
REACH 01-2119535109-41-xxxx EC No. 273-066-3 CAS 68937-41-7	Tris(isopropylphenyl)phosphate Repr. 2; H361fd. STOT RE 2; H373. Aquatic Chronic 1; H410. M-factors: Aquatic Chronic 1: M = 10.	< 2,5 %
REACH 01-2119953278-28-xxxx EC No. 249-109-7 CAS 28629-66-5	Zinc bis(O,O-diisooctyl)bis(dithiophosphate) Skin Irrit. 2; H315. Eye Dam. 1; H318. Aquatic Chronic 2; H411. Specific concentration limits (SCL): Skin Irrit. 2; H315: C ≥ 6,25 % / Eye Dam. 1; H318: C ≥ 15 %	< 2,5 %
REACH 01-2119976364-28-xxxx list no. 701-392-2	2-Tetradecyloxirane, reaction products with boric acid Skin Sens. 1B; H317.	< 1 %
list no. 616-278-7 CAS 75975-85-8	Benzene, polypropene derivatives, sulfonated, calcium salts (Polymer) Skin Sens. 1B; H317. Specific concentration limits (SCL): Skin Sens. 1B; H317: C ≥ 10 %	< 1 %
REACH 01-2119513207-49-xxxx EC No. 310-154-3 CAS 121158-58-5	Phenol, dodecyl-, branched (SVHC) Skin Corr. 1C; H314. Eye Dam. 1; H318. Repr. 1B; H360F. Aquatic Acute 1; H400. Aquatic Chronic 1; H410. M-factors: Aquatic Acute 1: M = 10. Aquatic Chronic 1: M = 10.	< 0,25 %

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

Additional information: Contains the following substances of very high concern (SVHC) which are included in the Candidate List according to Article 59 of REACH: Phenol, dodecyl-, branched (Toxic for reproduction (Article 57c); Endocrine disrupting properties (Article 57(f) - environment); Endocrine disrupting properties (Article 57(f) - human health))



AUTOL SPEZIAL FLUID N15

Material number 14160

Safety Data Sheet

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

Revision date: 20.3.2024

Version: 6.0

Replaces version: 5.0

Language: en-DE

Date of print: 3.4.2024

Page: 4 of 16

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.
First aider: Pay attention to self-protection!
- In case of inhalation: Move victim to fresh air; if necessary, provide artificial respiration or oxygen. If unconscious place in recovery position and seek medical advice.
- Following skin contact: Wash with generous amount of water and soap. Take off contaminated clothing and wash it before reuse.
In case of skin reactions, consult a physician.
- After eye contact: In case of contact with eyes, rinse immediately with plenty of flowing water for 10 to 15 minutes holding eyelids apart. Remove contact lenses, if present and easy to do.
Continue rinsing. Subsequently consult an ophthalmologist.
- After swallowing: Never give anything by mouth to an unconscious person. Rinse mouth with water. Do not induce vomiting. Danger of aspiration!
Immediately get medical attention.

4.2 Most important symptoms and effects, both acute and delayed

- May be fatal if swallowed and enters airways.
- Causes serious eye irritation.
- May cause allergic reactions in already sensitized persons.

4.3 Indication of any immediate medical attention and special treatment needed

- Treat symptomatically.
- It can take hours before symptoms of poisoning show up following exposure.

SECTION 5: Firefighting measures

5.1 Extinguishing media

- Suitable extinguishing media:
Water spray jet, foam, extinguishing powder, 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

- Combustible.
- May form dangerous gases and vapours in case of fire. Vapours form explosive mixtures with air. The vapours of the product are heavier than air. Beware of reignition.
- Furthermore, there may develop: phosphorus oxides, sulphur oxides, Carbon monoxide and carbon dioxide.

5.3 Advice for firefighters

- Special protective equipment for firefighters:
Wear self-contained positive pressure breathing apparatus and full firefighting protective clothing.
- Additional information:
Cool endangered containers with water jetspray. Do not allow fire water to penetrate into surface or ground water. If necessary notify appropriate authorities.
Avoid spills and leaks. Very small amounts contaminates drinking water.



AUTOL SPEZIAL FLUID N15

Material number 14160

Safety Data Sheet

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

Revision date: 20.3.2024

Version: 6.0

Replaces version: 5.0

Language: en-DE

Date of print: 3.4.2024

Page: 5 of 16

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

Eliminate all ignition sources if safe to do so. Provide adequate ventilation. Avoid breathing mist/vapours/spray.

Avoid contact with skin and eyes. Take off contaminated clothing and wash it before reuse. Wear appropriate protective equipment.

Keep unprotected people away.

6.2 Environmental precautions

Do not allow to penetrate into soil, waterbodies or drains. If necessary notify appropriate authorities.

Avoid spills and leaks. Very small amounts contaminates drinking water.

6.3 Methods and material for containment and cleaning up

Stop leak if safe to do so. Prevent spread over a wide area (e.g. by containment or oil barriers).

Isolate leaked material using non-flammable absorption agent (e.g. sand, earth, vermiculit, diatomaceous earth) and collect it for disposal in appropriate containers in accordance with the local regulations (see section 13).

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 good ventilation and/or an exhaust system in the work area. Avoid generation of vapours/aerosols. Avoid breathing mist/vapours/spray.

Avoid contact with skin and eyes. Take off contaminated clothing and wash it before reuse. Wear appropriate protective equipment.

When using do not eat, drink or smoke. Wash hands before breaks and after work.

Safety shower and eye wash station should be easily accessible to the work area.

Precautions against fire and explosion:

Keep away from sources of ignition - No smoking.

Take action to prevent static discharges.

7.2 Conditions for safe storage, including any incompatibilities

Requirements for storerooms and containers:

Store only in original container. Store container tightly closed in a dry and cool place.

Provide good ventilation.

Protect from heat and direct sunlight.

Hints on joint storage: Keep away from food, drink and animal feedingstuffs.

Do not store together with: Strong oxidizing agents

Storage class: 10 = Combustible liquids, unless storage class 3

7.3 Specific end use(s)

No information available.



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Material number 14160

Safety Data Sheet

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

Revision date: 20.3.2024
Version: 6.0
Replaces version: 5.0
Language: en-DE
Date of print: 3.4.2024

Page: 6 of 16

SECTION 8: Exposure controls/personal protection

8.1 Control parameters

Occupational exposure limit values:

CAS No.	Designation	Type	Limit value
8042-47-5	White mineral oil (petroleum)	Germany: TRGS 900 Kurzzeit	20 mg/m ³ (respirable fraction)
		Germany: TRGS 900 Langzeit	5 mg/m ³ (respirable fraction)
68937-41-7	Tris(isopropylphenyl) phosphate	Germany: TRGS 900 Kurzzeit	2 mg/m ³ (inhalable fraction)
		Germany: TRGS 900 Langzeit	1 mg/m ³ (inhalable fraction)

DNEL/DMEL:

Information about White mineral oil (petroleum):

DNEL workers, dermal, long-term, systemic: 220 mg/kg bw/d

DNEL workers, inhalative, long-term, systemic (Aerosol): 160 mg/m³/8 h

DNEL consumers, dermal, long-term, systemic: 92 mg/kg bw/d

DNEL consumers, inhalative, long-term, systemic: 35 mg/m³

DNEL consumers, oral, long-term, systemic: 40 mg/kg bw/d

Information about Distillates (petroleum), solvent-refined light paraffinic:

DNEL workers, inhalative, short-term, local: 5,4 mg/m³

DNEL consumers, inhalative, long-term, local: 1,2 mg/m³

Information about Tris(isopropylphenyl)phosphate:

DNEL workers, dermal, short-term, systemic: 2.000 mg/kg

DNEL workers, dermal, short-term, local: 16 mg/cm²

DNEL workers, inhalative, short-term, systemic: 700 mg/m³

DNEL workers, inhalative, long-term, systemic: 0,145 mg/m³

DNEL workers, dermal, long-term, systemic: 0,417 mg/kg

DNEL consumers, oral, short-term, systemic: 50 mg/kg

DNEL consumers, dermal, short-term, systemic: 100 mg/kg

DNEL consumers, inhalative, short-term, systemic: 350 mg/m³

DNEL consumers, oral, long-term, systemic: 0,04 mg/kg

DNEL consumer, dermal, short-term, local: 8 mg/cm²

DNEL consumers, inhalative, long-term, systemic: 0,07 mg/m³

DNEL consumers, dermal, long-term, systemic: 0,208 mg/kg

PNEC:

Information about Tris(isopropylphenyl)phosphate:

PNEC water (freshwater): 0,00031 mg/L

PNEC water (marine water): 3.1E-05 mg/L

PNEC sediment (freshwater): 0,185 mg/kg dw

PNEC sediment (marine water): 0,0185 mg/kg dw

PNEC sewage treatment plant: 100 mg/L

PNEC soil: 2,5 mg/kg dw

8.2 Exposure controls

Provide good ventilation and/or an exhaust system in the work area. Avoid generation of vapours/aerosols.



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Material number 14160

Safety Data Sheet

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Revision date: 20.3.2024
Version: 6.0
Replaces version: 5.0
Language: en-DE
Date of print: 3.4.2024

Page: 7 of 16

Personal protection equipment

Occupational exposure controls

- Respiratory protection: Respiratory protection must be worn whenever the WEL levels have been exceeded. Recommendation: Use combination 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. If the concentration is exceeded, self-contained breathing apparatus must be used.
- Hand protection: Protective gloves according to DIN EN 374. Glove material: nitrile rubber, polyvinyl chloride. Layer thickness: 0,4 mm. Breakthrough time: >240 min. The breakthrough times determined in accordance with EN 374 Part III were not obtained under practical conditions. The recommended maximum wearing time is 50% of 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. Avoid contact with skin and eyes. Take off contaminated clothing and wash it before reuse. When using do not eat, drink or smoke. Wash hands before breaks and after work. Safety shower and eye wash station should be easily accessible to the work area.

Environmental exposure controls

Refer to "6.2 Environmental precautions".

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:	blue
Odour:	Characteristic
Odour threshold:	Not determined
Melting point/freezing point:	Not determined
Initial boiling point and boiling range:	Not determined
Flammability:	Not applicable
Upper/lower flammability or explosive limits:	LEL (Lower Explosion Limit): Not determined UEL (Upper Explosive Limit): Not determined
Flash point/flash point range:	Not determined
Decomposition temperature:	No data available
pH:	Not applicable
Viscosity, kinematic:	at 40 °C: 12,00 mm ² /s
Solubility:	Not determined
Water solubility:	Insoluble
Partition coefficient: n-octanol/water:	Not determined
Vapour pressure:	Not determined
Density:	at 15 °C: 0,857 g/mL
Vapour density:	Not determined



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Replaces version: 5.0

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Safety Data Sheet

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

Page: 8 of 16

Particle characteristics:

Not applicable

9.2 Other information

Explosive properties:

Product is not explosive.

Oxidizing characteristics:

Product has no oxidizing effect.

Auto-ignition temperature:

Not determined

Evaporation rate:

Not determined

Additional information:

No data available

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 dangerous reactions with proper and specified storage and handling.

10.4 Conditions to avoid

Protect from direct sunlight.

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

Protect from frost.

10.5 Incompatible materials

Strong oxidizing agents

10.6 Hazardous decomposition products

No decomposition when used properly.

Thermal decomposition:

No data available



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Safety Data Sheet

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

Revision date: 20.3.2024

Version: 6.0

Replaces version: 5.0

Language: en-DE

Date of print: 3.4.2024

Page: 9 of 16

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): Lack of data.

Acute toxicity (dermal): Lack of data.

Acute toxicity (inhalative): Lack of data.

Skin corrosion/irritation: Lack of data.

Serious eye damage/irritation: Eye Irrit. 2; H319 = Causes serious eye irritation.

Sensitisation to the respiratory tract: Lack of data.

Skin sensitisation: Based on available data, the classification criteria are not met. Contains 2-Tetradecyloxirane, reaction products with boric acid. May produce an allergic reaction.

Germ cell mutagenicity/Genotoxicity: Lack of data.

Carcinogenicity: Lack of data.

Reproductive toxicity: Lack of data.

Effects on or via lactation: Lack of data.

Specific target organ toxicity (single exposure): Lack of data.

Specific target organ toxicity (repeated exposure): Lack of data.

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

11.2 Information on other hazards

Endocrine disrupting properties: This product contains a substance that has endocrine disrupting properties with respect to humans.

Other information: Information about White mineral oil (petroleum):
LD50 Rat, oral: > 5.000 mg/kg (OECD 401)
LD50 Rabbit, dermal: > 2.000 mg/kg (OECD 402)
LC50 Rat, inhalative: > 5 mg/L/4 h (OECD 403 (Aerosol))

Information about Distillates (petroleum), solvent-refined light paraffinic:
LD50 Rat, oral: > 5.000 mg/kg (OECD 401)
LD50 Rabbit, dermal: > 5.000 mg/kg (OECD 402)
LC50 Rat, inhalative: > 5,53 mg/L/4 h (OECD 403)

Information about Phenol, dodecyl-, branched:
LD50 Rat, oral: 2.100 mg/kg
LD50 Rabbit, dermal: 5.000 mg/kg

Symptoms

In case of inhalation: Irritation to respiratory tract
In case of ingestion: nausea, vomiting, gastrointestinal complaints, diarrhoea
After contact with skin:
Prolonged or repeated skin contact may cause removal of natural fat from the skin resulting in dermatitis (skin inflammation).
After eye contact: Frequent and constant contact can lead to irritations of the eyes.
Upon direct contact with eyes may cause burning, tearing, redness.



AUTOL SPEZIAL FLUID N15

Material number 14160

Safety Data Sheet

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

Revision date: 20.3.2024
Version: 6.0
Replaces version: 5.0
Language: en-DE
Date of print: 3.4.2024

Page: 10 of 16

SECTION 12: Ecological information

12.1 Toxicity

Aquatic toxicity:	Toxic to aquatic life with long lasting effects. Information about Distillates (petroleum), solvent-refined light paraffinic: Fish toxicity: LL50 Pimephales promelas (fathead minnow): > 100 mg/L/96 h (OECD 203) Daphnia toxicity: EL50 Daphnia magna (Big water flea): > 10.000 mg/L/48 h (OECD 202) Information about White mineral oil (petroleum): Fish toxicity: LC50 Lepomis macrochirus (bluegill): > 10.000 mg/L/96 h NOEL Oncorhynchus mykiss: >= 100 mg/L/96 h (OECD 203) Daphnia toxicity: NOEL Daphnia magna (Big water flea): >= 100 mg/L/48 h (OECD 202) Algae toxicity: NOEL Pseudokirchneriella subcapitata (green algae): >= 100 mg/L/72 h (OECD 201) Information about Zinc bis(O,O-diisooctyl)bis(dithiophosphate): Fish toxicity: LC50 Oncorhynchus mykiss: 3,8 mg/L/96 h (OECD 203) NOEL Oncorhynchus mykiss: 1,8 mg/L/96 h (OECD 203) Daphnia toxicity: EC50 Daphnia magna (Big water flea): 510 mg/L/48 h (OECD 202) NOELR Daphnia magna (Big water flea): 180 mg/L/48 h (OECD 202) Algae toxicity: EC50 Desmodesmus subspicatus (green algae): 410 mg/L/72 h (OECD 201) Information about Tris(isopropylphenyl)phosphate: Fish toxicity: NOEL Pimephales promelas (fathead minnow): 3,1 µg/L/33 d (OECD 210) LC50 Oncorhynchus mykiss: 1,6 mg/L/96 h (By analogy) Daphnia toxicity: EC50 Daphnia magna (Big water flea): 2,44 mg/L/48 h (By analogy) Information about Phenol, dodecyl-, branched: Fish toxicity: LC50 Pimephales promelas (fathead minnow): 40 mg/L/96 h (OECD 203) Daphnia toxicity: NOEL Daphnia magna (Big water flea): 0,004 µg/L/21 d (OECD 211) EC50 Daphnia magna (Big water flea): 0,037 mg/L/48 h (OECD 202) Algae toxicity: EC50 Desmodesmus subspicatus (green algae): 0,15 mg/L/72 h (OECD 201)
Water Hazard Class:	3 = highly hazardous to water (Self-classification (mixture; calculation rule).)



AUTOL SPEZIAL FLUID N15

Material number 14160

Safety Data Sheet

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

Revision date: 20.3.2024

Version: 6.0

Replaces version: 5.0

Language: en-DE

Date of print: 3.4.2024

Page: 11 of 16

12.2 Persistence and degradability

Further details:	Separation via oil separator. Information about Distillates (petroleum), solvent-refined light paraffinic: Biodegradability: 31%/ 28 d (OECD 301F). Not easily degradable. Information about White mineral oil (petroleum): Biodegradability: < 60%/ 28 d (By analogy). Readily degradable. Information about Zinc bis(O,O-diisooctyl)bis(dithiophosphate): Biodegradability: 4,9%/ 27 d (OECD 301D). Not degradable. Information about Tris(isopropylphenyl)phosphate: Biodegradability: 17,9% (By analogy). Not easily degradable. Information about Benzene, polypropene derivatives, sulfonated, calcium salts: Biodegradability: 0%/ 28 d (OECD 301D). Not easily degradable. Information about Phenol, dodecyl-, branched: Biodegradability: 78%/ 28 d (OECD 301D). Readily degradable.
Effects in sewage plants:	Information about Zinc bis(O,O-diisooctyl)bis(dithiophosphate): EC50 activated sludge: 300 mg/L/3 h (OECD 209)

12.3 Bioaccumulative potential

Bioconcentration factor (BCF):	Information about Benzene, polypropene derivatives, sulfonated, calcium salts: Bioconcentration factor (BCF): 3,2/42 d Information about Phenol, dodecyl-, branched: Bioconcentration factor (BCF): 823
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12.4 Mobility in soil

No data available

12.5 Results of PBT and vPvB assessment

The product does not contain any substances classified as PBT or vPvB.

12.6 Endocrine disrupting properties

This product contains a substance that has endocrine disrupting properties with respect to non-target organisms.

12.7 Other adverse effects

AOX reference:	Product does not contain organically bound halogen (AOX).
General information:	Avoid spills and leaks. Very small amounts contaminates drinking water. Do not allow to penetrate into soil, waterbodies or drains.

SECTION 13: Disposal considerations

13.1 Waste treatment methods

Product

Waste key number:	13 02 05* = mineral-based non-chlorinated engine, gear and lubricating oils * = Evidence for disposal must be provided.
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Safety Data Sheet

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

Recommendation: Dispose of waste according to applicable legislation. Do not allow to enter into ground-water, surface water or drains.

Package

Recommendation: 15 01 02 Plastic packaging
15 01 04 metallic packaging

Empty containers may contain flammable product residues. Do not cut, weld, bore, burn or incinerate emptied containers unless they have been cleaned and declared safe.

Empty containers should be disposed of in accordance with local regulations.

Non-contaminated packages must be recycled or disposed of.

SECTION 14: Transport information**14.1 UN number or ID number**

ADR/RID, ADN, IMDG, IATA-DGR:

UN 3082

14.2 UN proper shipping name

ADR/RID, ADN, IMDG, IATA-DGR:

UN 3082, ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S.
(Tris(isopropylphenyl)phosphate)

14.3 Transport hazard class(es)

ADR/RID, ADN: Class 9, Code: M6

IMDG: Class 9, Subrisk -

IATA-DGR: Class 9

14.4 Packing group

ADR/RID, ADN, IMDG, IATA-DGR:

III

14.5 Environmental hazards

Dangerous for the environment:

Substance/mixture is environmentally hazardous according to the criteria of the UN model regulations.

Marine pollutant - IMDG: yes

Marine pollutant - ADN: yes





AUTOL SPEZIAL FLUID N15

Material number 14160

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Replaces version: 5.0
Language: en-DE
Date of print: 3.4.2024

Safety Data Sheet

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

Page: 13 of 16

14.6 Special precautions for user

Land transport (ADR/RID)

Warning board: ADR/RID: Kemmler-number 90, UN number UN 3082
Hazard label: 9
Special Provisions: 274 335 375 601
Limited quantities: 5 L
EQ: E1
Package - Instructions: P001 IBC03 LP01 R001
Package - Special Provisions: PP1
Special provisions for packing together: MP19
Portable tanks - Instructions: T4
Portable tanks - Special Provisions: TP1 TP29
Tank coding: LGBV
Tunnel restriction code: (-)

Inland waterway craft (ADN)

Hazard label: 9
Special Provisions: 274 335 375 601
Limited quantities: 5 L
EQ: E1
Transport permitted: T
Equipment necessary: PP

Sea transport (IMDG)

EmS: F-A, S-F
Special Provisions: 274 335 969
Limited quantities: 5 L
Excepted quantities: E1
Package - Instructions: P001, LP01
Package - Provisions: PP1
IBC - Instructions: IBC03
IBC - Provisions: -
Tank instructions - IMO: -
Tank instructions - UN: T4
Tank instructions - Provisions: TP2, TP29
Stowage and handling: Category A.
Properties and observations: -
Segregation group: none

Air transport (IATA)

Hazard label: Miscellaneous & Environmentally hazardous
Excepted Quantity Code: E1
Passenger and Cargo Aircraft: Ltd.Qty.: Pack.Instr. Y964 - Max. Net Qty/Pkg. 30 kg G
Passenger and Cargo Aircraft: Pack.Instr. 964 - Max. Net Qty/Pkg. 450 L
Cargo Aircraft only: Pack.Instr. 964 - Max. Net Qty/Pkg. 450 L
Special Provisions: A97 A158 A197 A215
Emergency Response Guide-Code (ERG): 9L

14.7 Maritime transport in bulk according to IMO instruments

No data available

Safety Data Sheet

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

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, unless storage class 3
- Water Hazard Class: 3 = highly hazardous to water (Self-classification (mixture; calculation rule).)
- Incident regulation: Richtlinie 2012/18/EU (Seveso III):
Umweltgefahren: Ziffer 1.3.2 = Code E2, Mengenschwelle 200 000kg / 500 000kg
- Technical guidance air: 5.2.5
- Information on working limitations:
Observe employment restrictions for young people.
Observe employment restrictions for expectant or nursing mothers.
- Further regulations, limitations and legal requirements:
The product is not subject to the Chemicals Prohibition Ordinance (ChemVerbotsV).

National regulations - EC member states

- Volatile organic compounds (VOC):
< 0,1 % by weight

Labelling of packaging with <= 125mL content

- Signal word: **Danger**
- Hazard statements: H304 May be fatal if swallowed and enters airways.
EUH208 Contains 2-Tetradecyloxirane, reaction products with boric acid. May produce an allergic reaction.
- 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.

- Further regulations, limitations and legal requirements:
Directive 2012/18/EU on the control of major-accident hazards involving dangerous substances [Seveso-III-Directive] refer to Germany, 12. BImSchV
Use restriction according to REACH annex XVII, no.: 3, 75
Directive 2012/18/EU on the control of major-accident hazards involving dangerous substances [Seveso-III-Directive]: E2
This mixture contains the following substances of very high concern (SVHC) which are included in the Candidate List according to Article 59 of REACH: Phenol, dodecyl-, branched

15.2 Chemical Safety Assessment

For this mixture a chemical safety assessment is not required.



AUTOL SPEZIAL FLUID N15

Material number 14160

Safety Data Sheet

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

Revision date: 20.3.2024

Version: 6.0

Replaces version: 5.0

Language: en-DE

Date of print: 3.4.2024

Page: 15 of 16

SECTION 16: Other information

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

H304 = May be fatal if swallowed and enters airways.

H314 = Causes severe skin burns and eye damage.

H315 = Causes skin irritation.

H317 = May cause an allergic skin reaction.

H318 = Causes serious eye damage.

H319 = Causes serious eye irritation.

H360F = May damage fertility.

H361fd = Suspected of damaging fertility. Suspected of damaging the unborn child.

H373 = May cause damage to organs through prolonged or repeated exposure.

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.

EUH208 = Contains 2-Tetradecyloxirane, reaction products with boric acid. May produce an allergic reaction.

Reason of change: Changes in section 1: Details of the supplier of the safety data sheet

General revision

Date of first version: 7.6.2021

Department issuing data sheet:

see section 1: Department responsible for information



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Page: 16 of 16

Abbreviations and acronyms:

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
AOX: Adsorbable Organic Halogens
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
BCF: Bioconcentration Factor
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 Dam.: Eye damage
Eye Irrit.: Eye irritation
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%
LEL: Lower Explosion Limit
MARPOL: Maritime Pollution: The International Convention for the Prevention of Pollution from Ships
M-factor: Multiplication factor
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
Skin Sens.: Skin sensitisation
STOT RE: Specific target organ toxicity - repeated exposure
SVHC: Substance of very high concern
TLV: Threshold Limit Value
TRGS: Technical Rules for Hazardous Substances
UN: United Nations
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/x18rd4pf>

