

SWAG Autoteile GmbH
42117 Wuppertal

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Page 1 / 14

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

1.1 Product identifier

Engine Oil 15W - 40

Article number: 15 93 2925, 15 93 2926, 15 93 2927, 15 93 2928, 15 93 2929, 15 93 2930

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

1.2.1 Relevant uses

Engine oil

1.2.2 Uses advised against

None known.

1.3 Details of the supplier of the safety data sheet

Company

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Address enquiries to

Technical information

info@swag.de

Safety Data Sheet

info@swag.de

1.4 Emergency telephone number

Advisory body

+49 (0)89-19240 (24h) (English)

SECTION 2: Hazards identification

2.1 Classification of the substance or mixture [REGULATION (GB) CLP]

No classification.

2.2 Label elements

The product is required to be labelled in accordance with regulation CLP.

Hazard pictograms

none

Signal word

none

Hazard statements

none

Precautionary statements

none

Special labelling

EUH210 Safety data sheet available on request.

Contains: Benzenesulfonic acid, methyl-, mono-C20-24-branched alkyl derivs., calcium salts, Alkyl (C18-C28) toluenesulfonic acid, calcium salts, borated. EUH208 May produce an allergic reaction.

2.3 Other hazards

Human health dangers

Frequent persistent contact with the skin can cause skin irritation.

If swallowed or in the event of vomiting, risk of product entering the lungs.

Environmental hazards

The substance/mixture does not contain components considered to have endocrine disrupting properties according to REACH Article 57(f) or Commission Delegated regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at levels of 0.1% or higher.

This substance/mixture contains no components considered to be either persistent, bioaccumulative and toxic (PBT), or very persistent and very bioaccumulative (vPvB) at levels of 0.1% or higher.

Other hazards

Further hazards were not determined with the current level of knowledge.

SECTION 3: Composition / Information on ingredients

3.1 Substances

not applicable

3.2 Mixtures

The product is a mixture.

Range [%]	Substance
5 - <15	Distillates (petroleum), hydrotreated light paraffinic
	CAS: 64742-55-8, EINECS/ELINCS: 265-158-7, EU-INDEX: 649-468-00-3, Reg-No.: 01-2119487077-29-XXXX
	GHS/CLP: Asp. Tox. 1: H304
5 - <15	Destillates (petroleum), hydrotreated heavy paraffinic (containing < 3% DMSO-extract)
	CAS: 64742-54-7, EINECS/ELINCS: 265-157-1, EU-INDEX: 649-467-00-8, Reg-No.: 01-2119484627-25-XXXX
	GHS/CLP: Asp. Tox. 1: H304
1 - < 2,5	Alkyl (C18-C28) toluenesulfonic acid, calcium salts, borated
	CAS: -, EINECS/ELINCS: 953-650-0
	GHS/CLP: Skin Sens. 1B: H317 - Repr. 2: H361d
	SCL [%]: 17,15 - 100: Repr. 2: H361, 2 - 100: Skin Sens. 1: H317
1 - < 2,5	Phosphorodithioic acid, mixed O,O-bis(sec-Bu and 1,3-dimethylbutyl) esters, zinc salts
	CAS: 68784-31-6, EINECS/ELINCS: 272-238-5, Reg-No.: 01-2119657973-23-XXXX
	GHS/CLP: Eye Dam. 1: H318 - Aquatic Chronic 2: H411
	SCL [%]: 10 - 100: Eye Dam. 1: H318, 1 - <10: Eye Irrit. 2: H319
0,3 - <1	Benzenesulfonic acid, methyl-, mono-C20-24-branched alkyl derivs., calcium salts
	CAS: 722503-68-6, EINECS/ELINCS: 682-816-2
	GHS/CLP: Skin Sens. 1B: H317
	SCL [%]: 2 - 100: Skin Sens. 1B: H317

Comment on component parts

For full text of H-statements: see SECTION 16.

SECTION 4: First aid measures

4.1 Description of first aid measures

General information

Take off contaminated clothing and wash before reuse.

Inhalation

Ensure supply of fresh air.
In the event of symptoms seek medical treatment.

Skin contact

In case of contact with skin wash off immediately with soap and water.
Consult a doctor if skin irritation persists.

Eye contact

Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
If eye irritation persists: Get medical advice/attention.

Ingestion

Consult a doctor immediately.
Do not induce vomiting.
Rinse out mouth and give plenty of water to drink.

4.2 Most important symptoms and effects, both acute and delayed

Allergic reactions
Irritant effects

4.3 Indication of any immediate medical attention and special treatment needed

Treat symptomatically.
Forward this sheet to your doctor.

SECTION 5: Fire-fighting measures

5.1 Extinguishing media

Suitable extinguishing media

Fire extinguishing method of surrounding areas must be considered.
Foam, dry powder, water spray jet, carbon dioxide

Extinguishing media that must not be used

Full water jet

5.2 Special hazards arising from the substance or mixture

Risk of formation of toxic pyrolysis products.
Not combusted hydrocarbons.
Carbon monoxide (CO)
Sulphur oxides (SOx).
Nitrogen oxides (NOx).

SWAG Autoteile GmbH
42117 Wuppertal

Date printed 24.02.2025, Revision 24.02.2025

Version 14.0. Supersedes version: 13.0

Page 3 / 14

5.3 Advice for firefighters

Do not inhale explosion and/or combustion gases.
Use self-contained breathing apparatus.

Fire residues and contaminated firefighting water must be disposed of in accordance with the local regulations.

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

Ensure adequate ventilation.
High risk of slipping due to leakage/spillage of product.
Use personal protective equipment (protective gloves, safety glasses, protective clothing).

6.2 Environmental precautions

Prevent spread over a wide area (e.g. by containment or oil barriers).
Do not discharge into the drains/surface waters/groundwater.

6.3 Methods and material for containment and cleaning up

Take up with absorbent material (e.g. general-purpose binder).
Dispose of absorbed material in accordance with the regulations.

6.4 Reference to other sections

See SECTION 8+13

SECTION 7: Handling and storage

7.1 Precautions for safe handling

Avoid formation of aerosols.
Do not smoke.
Fire class (DIN EN 2): B
Do not eat, drink or smoke when using this product.
Use barrier skin cream.
Wash hands before breaks and after work.
Cloths contaminated with product should not be kept in trouser pockets.
Contaminated work clothing should not be allowed out of the workplace.
Take off contaminated clothing and wash before reuse.

7.2 Conditions for safe storage, including any incompatibilities

Keep only in original container.
Prevent penetration into the ground.
Do not store together with oxidizing agents.
Keep container tightly closed.
Keep container in a well-ventilated place.

7.3 Specific end use(s)

See product use, SECTION 1.2

SECTION 8: Exposure controls / personal protection

8.1 Control parameters

Ingredients with occupational exposure limits to be monitored (UK)

Substance
Destillates (petroleum), hydrotreated heavy paraffinic (containing < 3% DMSO-extract)
CAS: 64742-54-7, EINECS/ELINCS: 265-157-1, EU-INDEX: 649-467-00-8, Reg-No.: 01-2119484627-25-XXXX
Long-term exposure: 5 mg/m ³ , oil mist
Short-term exposure (15-minute): 10 mg/m ³
Distillates (petroleum), hydrotreated light paraffinic
CAS: 64742-55-8, EINECS/ELINCS: 265-158-7, EU-INDEX: 649-468-00-3, Reg-No.: 01-2119487077-29-XXXX
Long-term exposure: 5 mg/m ³ , ACGIH TLV (OIL MIST)
Destillates (petroleum), hydrotreated heavy paraffinic (containing < 3% DMSO-extract)
CAS: 64742-54-7, EINECS/ELINCS: 265-157-1, EU-INDEX: 649-467-00-8, Reg-No.: 01-2119484627-25-XXXX
Long-term exposure: 5 mg/m ³ , oil mist
Short-term exposure (15-minute): 10 mg/m ³

Ingredients with occupational exposure limits to be monitored EU (2004/37/EG)

not relevant

DNEL

Substance
Destillates (petroleum), hydrotreated heavy paraffinic (containing < 3% DMSO-extract), CAS: 64742-54-7
Industrial, inhalative, Long-term - systemic effects, 2,73 mg/m ³
Industrial, inhalative, Long-term - local effects, 5,58 mg/m ³
Industrial, dermal, Long-term - systemic effects, 970 µg/kg bw/day
general population, inhalative, Long-term - local effects, 1,19 mg/m ³
general population, oral, Long-term - systemic effects, 740 µg/kg bw/day
Phosphorodithioic acid, mixed O,O-bis(sec-Bu and 1,3-dimethylbutyl) esters, zinc salts, CAS: 68784-31-6
Industrial, inhalative, Long-term - systemic effects, 2,93 mg/m ³
Industrial, inhalative, Acute - systemic effects, 496,4 mg/m ³
Industrial, dermal, Long-term - systemic effects, 10,42 mg/kg bw/d
Industrial, dermal, Acute - systemic effects, 100 mg/kg bw/d
general population, inhalative, Acute - systemic effects, 11,75 mg/m ³
general population, inhalative, Acute - systemic effects, 198,6 mg/m ³
general population, dermal, Long-term - systemic effects, 2,1 mg/kg bw/d
general population, dermal, Acute - systemic effects, 50 mg/kg bw/d
general population, oral, Long-term - systemic effects, 0,21 mg/kg bw/d
general population, oral, Acute - systemic effects, 29 mg/kg bw/d
Alkyl (C18-C28) toluenesulfonic acid, calcium salts, borated, CAS: -
There are no DNEL values established for the substance.
Distillates (petroleum), hydrotreated light paraffinic, CAS: 64742-55-8
Industrial, inhalative, Long-term - systemic effects, 2,73 mg/m ³
Industrial, inhalative, Long-term - local effects, 5,58 mg/m ³
Industrial, dermal, Long-term - systemic effects, 0,97 mg/kg
general population, oral, Long-term - systemic effects, 0,74 mg/kg

PNEC

Substance
Destillates (petroleum), hydrotreated heavy paraffinic (containing < 3% DMSO-extract), CAS: 64742-54-7
oral (food), 9,33 mg/kg
Phosphorodithioic acid, mixed O,O-bis(sec-Bu and 1,3-dimethylbutyl) esters, zinc salts, CAS: 68784-31-6
seawater, 0,0046 mg/l
freshwater, 0,0040 mg/l
sediment (seawater), 0,00701 mg/l



SWAG Autoteile GmbH
 42117 Wuppertal

Date printed 24.02.2025, Revision 24.02.2025

Version 14.0. Supersedes version: 13.0

Page 5 / 14

sediment (freshwater), 0,0701 mg/l
sewage treatment plants (STP), 3,8 mg/l
soil, 0,0548 mg/kg
oral (food), 8,33 mg/kg
Alkyl (C18-C28) toluenesulfonic acid, calcium salts, borated, CAS: -
There are no PNEC values established for the substance.
Distillates (petroleum), hydrotreated light paraffinic, CAS: 64742-55-8
oral (food), 9,33 mg/kg

8.2 Exposure controls

Additional advice on system design	<p>Ensure adequate ventilation on workstation. Measurement methods for taking workplace measurements must meet the performance requirements of DIN EN 482. For example, recommendations are given in the IFA's list of hazardous substances. General exposure limit for oil mist should be noted.</p>
Eye protection	safety glasses (EN 166:2001)
Hand protection	<p>The details concerned are recommendations. Please contact the glove supplier for further information. > 0,11 mm; Nitrile rubber, >480 min (EN 374-1/-2/-3).</p>
Skin protection	Protective clothing (EN 340)
Other	<p>Personal protective equipment should be selected specifically for the working place, depending on concentration and quantity handled. The resistance of this equipment to chemicals should be ascertained with the respective supplier. Avoid contact with eyes and skin.</p>
Respiratory protection	<p>In the event of occupational exposure limits being exceeded or of inadequate ventilation: wear appropriate respiratory protection. Short term: filter apparatus, combination filter A-P1. (DIN EN 14387)</p>
Thermal hazards	none
Delimitation and monitoring of the environmental exposition	Comply with applicable environmental regulations limiting discharge to air, water and soil.

SWAG Autoteile GmbH
42117 Wuppertal

Date printed 24.02.2025, Revision 24.02.2025

Version 14.0. Supersedes version: 13.0

Page 6 / 14

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

Physical state	liquid
Form	liquid
Color	brown
Odor	characteristic
Odour threshold	not relevant
pH-value	not applicable
pH-value [1%]	not applicable
Boiling point or initial boiling point and boiling range [°C]	No information available.
Flash point [°C]	>235 (ISO 2592)
Flammability	not flammable
Lower explosion limit	No information available.
Upper explosion limit	No information available.
Oxidising properties	no
Vapour pressure/gas pressure [kPa]	<0,01 (20°C)
Density [g/cm ³]	0,878 (DIN 51757) (15 °C / 59,0 °F)
Relative density	not determined
Bulk density [kg/m ³]	not applicable
Solubility in water	immiscible
Solubility other solvents	No information available.
Partition coefficient n-octanol/water (log value)	No information available.
Kinematic viscosity	>20,5 mm ² /s (40°C) 14,6 mm ² /S (100°C)
Relative vapour density	No information available.
Melting point [°C]	No information available.
Auto-ignition temperature [°C]	No information available.
Decomposition temperature [°C]	No information available.
Particle characteristics	No information available.

9.2 Other information

Pour point: -30°C

SECTION 10: Stability and reactivity

10.1 Reactivity

No dangerous reactions known if used as directed.

10.2 Chemical stability

Stable under normal ambient conditions (ambient temperature).

10.3 Possibility of hazardous reactions

Reactions with strong oxidizing agents.

10.4 Conditions to avoid

Strong heating.

10.5 Incompatible materials

Oxidizing agent



SWAG Autoteile GmbH
42117 Wuppertal

Date printed 24.02.2025, Revision 24.02.2025

Version 14.0. Supersedes version: 13.0

Page 7 / 14

10.6 Hazardous decomposition products

In the case of heating following (decomposition) products may occur:
Hydrogen sulfide (H₂S).

SECTION 11: Toxicological information

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

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

Product
ATE-mix, oral, >2000 mg/kg bw
Substance
Destillates (petroleum), hydrotreated heavy paraffinic (containing < 3% DMSO-extract), CAS: 64742-54-7
LD50, oral, Rat, > 5000 mg/kg bw
Benzenesulfonic acid, methyl-, mono-C20-24-branched alkyl derivs., calcium salts, CAS: 722503-68-6
LD50, oral, Rat, > 5000 mg/kg
Phosphorodithioic acid, mixed O,O-bis(sec-Bu and 1,3-dimethylbutyl) esters, zinc salts, CAS: 68784-31-6
LD50, oral, Rat, 2900 - 3400 mg/kg bw
Distillates (petroleum), hydrotreated light paraffinic, CAS: 64742-55-8
no adverse effect observed (by analogy with similar substances), (CAS 64742-56-9),
LC50, oral, Rat, > 5000 mg/kg, OECD 401

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

Product
ATE-mix, dermal, >2000 mg/kg bw
Substance
Destillates (petroleum), hydrotreated heavy paraffinic (containing < 3% DMSO-extract), CAS: 64742-54-7
LD50, dermal, Rabbit, > 5000 mg/kg bw
Benzenesulfonic acid, methyl-, mono-C20-24-branched alkyl derivs., calcium salts, CAS: 722503-68-6
LD50, dermal, Rat, > 2000 mg/kg
Phosphorodithioic acid, mixed O,O-bis(sec-Bu and 1,3-dimethylbutyl) esters, zinc salts, CAS: 68784-31-6
LD50, dermal, Rabbit, 5000 mg/kg bw
Distillates (petroleum), hydrotreated light paraffinic, CAS: 64742-55-8
no adverse effect observed (by analogy with similar substances), (CAS 64742-56-9),
LD50, dermal, Rabbit, > 5000 mg/kg, OECD 402

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

Product
ATE-mix, inhalation (vapour), >20 mg/L
Substance
Destillates (petroleum), hydrotreated heavy paraffinic (containing < 3% DMSO-extract), CAS: 64742-54-7
LC50, inhalative, Rat, 2.18 - 5.53 mg/L air, 4h
Distillates (petroleum), hydrotreated light paraffinic, CAS: 64742-55-8
LC50, inhalativ (mist), Rat, > 5,53 mg/l, OECD 403, 4h

Serious eye damage/irritation Non-irritant.
No classification due to substance-specific concentration limits.

Substance
Distillates (petroleum), hydrotreated light paraffinic, CAS: 64742-55-8
Rabbit (eye), OECD 405, non-irritating

Skin corrosion/irritation Based on the available information, the classification criteria are not fulfilled.

Substance
Distillates (petroleum), hydrotreated light paraffinic, CAS: 64742-55-8
Rabbit, in vivo, non-irritating

Respiratory or skin sensitisation May cause an allergic skin reaction.
 No classification due to substance-specific concentration limits.

Substance
Benzenesulfonic acid, methyl-, mono-C20-24-branched alkyl derivs., calcium salts, CAS: 722503-68-6
dermal, sensitising
Distillates (petroleum), hydrotreated light paraffinic, CAS: 64742-55-8
dermal, Guinea pig, OECD 406, non-sensitizing

Specific target organ toxicity — single exposure Based on the available information, the classification criteria are not fulfilled.

Specific target organ toxicity — repeated exposure Based on the available information, the classification criteria are not fulfilled.

Substance
Destillates (petroleum), hydrotreated heavy paraffinic (containing < 3% DMSO-extract), CAS: 64742-54-7
NOAEL, dermal, Rat, 30 - 2000 mg/kg bw/day
NOAEL, dermal, Rabbit, 1000 mg/kg bw/day
NOAEC, inhalative, Rat, 980 mg/m ³ air
LOAEL, oral, Rat, 125 mg/kg bw/day
Phosphorodithioic acid, mixed O,O-bis(sec-Bu and 1,3-dimethylbutyl) esters, zinc salts, CAS: 68784-31-6
NOAEL, oral, Rat, 125 mg/kg bw/day
Distillates (petroleum), hydrotreated light paraffinic, CAS: 64742-55-8
no adverse effect observed (by analogy with similar substances), (CAS 64742-04-7),
NOAEL, dermal, Rat, >= 2000 mg/kg, OECD 411
NOAEL, inhalative, Rat, > 980 mg/m ³ , OECD 412
LOAEL, oral, Rat, 125 mg/kg, OECD 408

Mutagenicity Based on the available information, the classification criteria are not fulfilled.

Substance
Distillates (petroleum), hydrotreated light paraffinic, CAS: 64742-55-8
in vitro, OECD 471, negativ
in vivo, OECD 474, negativ

Reproduction toxicity Based on the available information, the classification criteria are not fulfilled.

- Fertility

Substance
Destillates (petroleum), hydrotreated heavy paraffinic (containing < 3% DMSO-extract), CAS: 64742-54-7
NOAEL, oral, Rat, 1000 mg/kg bw/d (Effect on fertility), no adverse effect observed
Distillates (petroleum), hydrotreated light paraffinic, CAS: 64742-55-8
NOAEL, Rat, (P, F1) : >= 1000 mg/kg, OECD 421

- Development

Substance
Distillates (petroleum), hydrotreated light paraffinic, CAS: 64742-55-8
NOAEL, Rat, 2000 mg/kg, OECD 414
LOAEL, Rat, 125 mg/kg, OECD 414

Carcinogenicity Based on the available information, the classification criteria are not fulfilled.

Aspiration hazard Based on the available information, the classification criteria are not fulfilled.

General remarks

Toxicological data of complete product are not available.

SWAG Autoteile GmbH
42117 Wuppertal

Date printed 24.02.2025, Revision 24.02.2025

Version 14.0. Supersedes version: 13.0 Page 10 / 14

11.2 Information on other hazards

11.2.1 Endocrine disrupting properties

The substance/mixture does not contain components considered to have endocrine disrupting properties according to REACH Article 57(f) or Commission Delegated regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at levels of 0.1% or higher.

11.2.2 Other information

none

SECTION 12: Ecological information

12.1 Toxicity

Ecological data of complete product are not available.

Substance
Destillates (petroleum), hydrotreated heavy paraffinic (containing < 3% DMSO-extract), CAS: 64742-54-7
EC50, (48h), > 10000 mg/l (Gammarus pulex), OECD 202
EC50, (72h), Algae, > 100 mg/l
NOEC, (72h), Pseudokirchneriella subcapitata, ≥ 100 mg/l, OECD 201
NOEC, (21d), Daphnia magna, 10 mg/l, OECD 211
LL50, (96h), Fish, > 100 mg/l, OECD 203
Phosphorodithioic acid, mixed O,O-bis(sec-Bu and 1,3-dimethylbutyl) esters, zinc salts, CAS: 68784-31-6
LC50, (4d), Fish, 46 mg/L
IC50, (21d), Invertebrates, 530 - 800 µg/L
EL50, (72h), Algae, 240 - 410 mg/L
EL50, (48h), Invertebrates, 75 mg/L
NOEC, (21d), Invertebrates, 400 - 800 µg/L
NOELR, (48h), Invertebrates, 32 mg/L
NOELR, (4d), Fish, 3.2 mg/L
LL50, (4d), Fish, 4.4 mg/L
LOEC, (21d), Invertebrates, 800 µg/L
Distillates (petroleum), hydrotreated light paraffinic, CAS: 64742-55-8
LC50, (96h), Pimephales promelas, > 100 mg/l, OECD 203
EL50, (48h), Daphnia magna, > 10 000 mg/l, OECD 202
NOELR, (14d), Oncorhynchus mykiss, >= 1000 mg/l
NOEL, (72h), Pseudokirchneriella subcapitata, >= 100 mg/l, OECD 201
NOEL, (21d), Daphnia magna, 10 mg/l, OECD 211
NOEL, (72h), Pseudokirchneriella subcapitata, >= 100 mg/l, OECD 201

12.2 Persistence and degradability

No information available.

Behaviour in environment compartments

not determined

Behaviour in sewage plant

not determined

Biological degradability

not determined

Substance
Destillates (petroleum), hydrotreated heavy paraffinic (containing < 3% DMSO-extract), CAS: 64742-54-7
(28d), 31 %, OECD 301 F, The product is not readily biodegradable.
Distillates (petroleum), hydrotreated light paraffinic, CAS: 64742-55-8
(28d), 2 - 4 %, OECD 301 B
(28d), 31,13 %, OECD 301 F
The product is not readily biodegradable.

12.3 Bioaccumulative potential

No information available.

SWAG Autoteile GmbH
42117 Wuppertal

Date printed 24.02.2025, Revision 24.02.2025

Version 14.0. Supersedes version: 13.0 Page 11 / 14

12.4 Mobility in soil

No information available.

12.5 Results of PBT and vPvB assessment

Based on all available information not to be classified as PBT or vPvB respectively.

12.6 Endocrine disrupting properties

The substance/mixture does not contain components considered to have endocrine disrupting properties according to REACH Article 57(f) or Commission Delegated regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at levels of 0.1% or higher.

12.7 Other adverse effects

None known.

SECTION 13: Disposal considerations

13.1 Waste treatment methods

Waste material must be disposed of in accordance with the Directive on waste 2008/98/EC as well as other national and local regulations. It is not possible to determine a waste code for this product in accordance with the European Waste Catalogue (EWC) since it is only possible to classify it according to how it is used by the customer. The waste code is to be determined within the EU in liaison with the waste-disposal operator.

Product

In according to RoHS!
Coordinate disposal with the disposal contractor/authorities if necessary.
Disposal in an incineration plant in accordance with the regulations of the local authorities.

Waste no. (recommended)

130205* mineral-based non-chlorinated engine, gear and lubricating oils

Contaminated packaging

Uncontaminated packaging may be taken for recycling.
Packaging that cannot be cleaned should be disposed of as for product.

Waste no. (recommended)

150110* packaging containing residues of or contaminated by hazardous substances

SECTION 14: Transport information

14.1 UN number or ID number

Transport by land according to ADR/RID not applicable

Inland navigation (ADN) not applicable

Marine transport in accordance with IMDG not applicable

Air transport in accordance with IATA not applicable

14.2 UN proper shipping name

Transport by land according to ADR/RID NO DANGEROUS GOODS

Inland navigation (ADN) NO DANGEROUS GOODS

Marine transport in accordance with IMDG NOT CLASSIFIED AS "DANGEROUS GOODS"

Air transport in accordance with IATA NOT CLASSIFIED AS "DANGEROUS GOODS"

SWAG Autoteile GmbH
42117 Wuppertal

Date printed 24.02.2025, Revision 24.02.2025

Version 14.0. Supersedes version: 13.0 Page 12 / 14

14.3 Transport hazard class(es)

Transport by land according to
ADR/RID not applicable

Inland navigation (ADN) not applicable

Marine transport in accordance with
IMDG not applicable

Air transport in accordance with IATA not applicable

14.4 Packing group

Transport by land according to
ADR/RID not applicable

Inland navigation (ADN) not applicable

Marine transport in accordance with
IMDG not applicable

Air transport in accordance with IATA not applicable

14.5 Environmental hazards

Transport by land according to
ADR/RID no

Inland navigation (ADN) no

Marine transport in accordance with
IMDG no

Air transport in accordance with IATA no

14.6 Special precautions for user

Relevant information under SECTION 6 to 8.

14.7 Maritime transport in bulk according to IMO instruments

not applicable

SECTION 15: Regulatory information

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

EEC-REGULATIONS

2008/98/EG (2000/532/EC); 2010/75/EU; 2004/42/EG; (EG) 648/2004; (EC) 1907/2006 (REACH); (EU) 1272/2008; 75/324/EWG ((EC) 2016/2037); (EU) 2020/878; (EU) 2016/131; (EU) 517/2014; (EU) 2019/1148; (EU) 2019/1021, (EU) 2023/707

- Comment on component parts

Substances of Very High Concern - SVHC: substances are not contained or are below 0.1%.

- Annex XIV (REACH)

According to Annex XIV of Regulation (EC) 1907/2006 (REACH) the product does not contain any substances $\geq 0.1\%$ that are subject to authorisation.

- Annex XVII (REACH)

According to Annex XVII of Regulation (EC) 1907/2006 (REACH) the product contains $\geq 0.1\%$ of substances with the following restrictions. 75

According to Annex XVII of Regulation (EC) 1907/2006 (REACH) the product is not subject to any restrictions.

TRANSPORT-REGULATIONS

ADR (2025); IMDG-Code (2025, 42. Amdt.); IATA-DGR (2025)

NATIONAL REGULATIONS (UK):

EH40/2005 Workplace exposure limits (Second edition, published December 2011); UK REACH; GB CLP.

- Observe employment restrictions for people

Observe employment restrictions for young people.

- VOC (2010/75/CE)

0 %

15.2 Chemical safety assessment

not applicable

SECTION 16: Other information

16.1 Hazard statements (SECTION 3)

H411 Toxic to aquatic life with long lasting effects.

H318 Causes serious eye damage.

H361d Suspected of damaging the unborn child.

H317 May cause an allergic skin reaction.

H304 May be fatal if swallowed and enters airways.

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42117 Wuppertal

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Version 14.0. Supersedes version: 13.0 Page 14 / 14

16.2 Abbreviations and acronyms:

ADR = Accord européen relatif au transport international des marchandises Dangereuses par Route
RID = Règlement concernant le transport international ferroviaire de marchandises dangereuses
ADN = Accord européen relatif au transport international des marchandises dangereuses par voie de navigation intérieure
ATE = acute toxicity estimate
CAS = Chemical Abstracts Service
CLP = Classification, Labelling and Packaging
DMEL = Derived Minimum Effect Level
DNEL = Derived No Effect Level
EC50 = Median effective concentration
ECB = European Chemicals Bureau
EEC = European Economic Community
EINECS = European Inventory of Existing Commercial Chemical Substances
EL50 = Median effective loading
ELINCS = European List of Notified Chemical Substances
EmS = Emergency Schedules
GHS = Globally Harmonized System of Classification and Labelling of Chemicals
IATA = International Air Transport Association
IBC-Code = International Code for the Construction and Equipment of Ships carrying Dangerous Chemicals in Bulk
IC50 = Inhibition concentration, 50%
IMDG = International Maritime Code for Dangerous Goods
IUCLID = International Uniform Chemical Information Database
IVIS = In vitro irritation score
LC50 = Lethal concentration, 50%
LD50 = Median lethal dose
LC0 = lethal concentration, 0%
LOAEL = lowest-observed-adverse-effect level
LL50 = Median lethal loading
LQ = Limited Quantities
MARPOL = International Convention for the Prevention of Marine Pollution from Ships
NOAEL = No Observed Adverse Effect Level
NOEC = No Observed Effect Concentration
PBT = Persistent, Bioaccumulative and Toxic substance
PNEC = Predicted No-Effect Concentration
REACH = Registration, Evaluation, Authorisation and Restriction of Chemicals
STP = Sewage Treatment Plant
TLV@/TWA = Threshold limit value – time-weighted average
TLV@STEL = Threshold limit value – short-time exposure limit
VOC = Volatile Organic Compounds
vPvB = very Persistent and very Bioaccumulative

16.3 Other information

Classification procedure

Modified position

1.3, 2.1, 2.2, 2.3, 3.2, 8.1, 8.2, 9.1, 9.2, 11.1, 11.2, 12.1, 12.2, 12.3, 12.4, 12.5, 12.6, 12.7, 15.1, 15.2, 16.1, 16.2, 16.3