

Arcanol Anticorrosion Oil

Safety Data Sheet (UK REACH) (UK)

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

1.1 Product identifier

Arcanol Anticorrosion Oil

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

1.2.1 Relevant uses

Corrosion protection

1.2.2 Uses advised against

None known.

1.3 Details of the supplier of the safety data sheet

Company

Schaeffler Technologies AG & Co. KG
Georg-Schäfer-Str. 30
97421 Schweinfurt / GERMANY
Phone +49 (0)9721 91 - 0
Homepage www.schaeffler.com

Address enquiries to

Technical information

support.is@schaeffler.com

Safety Data Sheet

sdb@chemiebuero.de (No dispatch of safety data sheets)
Safety data sheets are available from the supplier.

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]

Aerosol 1: H222 Extremely flammable aerosol. H229 Pressurised container: May burst if heated.
Asp. Tox. 1: H304 May be fatal if swallowed and enters airways.
Aquatic Chronic 4: H413 May cause long lasting harmful effects to aquatic life.

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2.2 Label elements

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

Hazard pictograms



Signal word

DANGER

Hazard statements

H222 Extremely flammable aerosol.
H229 Pressurised container: May burst if heated.
H304 May be fatal if swallowed and enters airways.
H413 May cause long lasting harmful effects to aquatic life.

Precautionary statements

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.
P410+P412 Protect from sunlight. Do not expose to temperatures exceeding 50 °C / 122°F.
P261 Avoid breathing spray.
P271 Use only outdoors or in a well-ventilated area.
P331 Do NOT induce vomiting.

Special labelling

EUH066 Repeated exposure may cause skin dryness or cracking.
Contains: Benzenesulfonic acid, di-C10-14 alkyl derivs., calcium salts.
EUH208 May produce an allergic reaction.

2.3 Other hazards

Environmental hazards

Does not contain any PBT or vPvB substances.

Other hazards

none

SECTION 3: Composition / Information on ingredients

3.1 Substances

not applicable

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3.2 Mixtures

The product is a mixture.

Range [%]	Substance
25 - 50	Hydrocarbons, C11-C12, isoalkanes, < 2% aromatics
	EINECS/ELINCS: 918-167-1, Reg-No.: 01-2119472146-39-XXXX
	GHS/CLP: Flam. Liq. 3: H226 - Asp. Tox. 1: H304 - Aquatic Chronic 4: H413 - EUH066
10 - 25	Propane
	CAS: 74-98-6, EINECS/ELINCS: 200-827-9, EU-INDEX: 601-003-00-5, Reg-No.: 01-2119486944-21-XXXX
	GHS/CLP: Flam. Gas 1A: H220 - Press. Gas: H280
10 - 25	Hydrocarbons, C11-C13, isoalkanes, <2% aromatics
	EINECS/ELINCS: 920-901-0, Reg-No.: 01-2119456810-40-XXXX
	GHS/CLP: Asp. Tox. 1: H304 - EUH066
10 - 25	Hydrocarbons, C11-C14, isoalkanes, cyclics, < 2% aromatics
	EINECS/ELINCS: 927-285-2, Reg-No.: 01-2119480162-45-XXXX
	GHS/CLP: Asp. Tox. 1: H304 - EUH066
10 - 25	Butane
	CAS: 106-97-8, EINECS/ELINCS: 203-448-7, EU-INDEX: 601-004-00-0
	GHS/CLP: Flam. Gas 1A: H220 - Press. Gas (Compressed gas): H280
0.1 - 5	Benzenesulfonic acid, di-C10-14 alkyl derivs., calcium salts
	CAS: 1471316-72-9, EINECS/ELINCS: 939-603-7, Reg-No.: 01-2119978241-36-XXXX
	GHS/CLP: Skin Sens. 1B: H317
<= 2.5	SCL [%]: >= 10: Skin Sens. 1B: H317
	iso-Butane
	CAS: 75-28-5, EINECS/ELINCS: 200-857-2, EU-INDEX: 601-004-00-0, Reg-No.: 01-2119485395-27-XXXX
	GHS/CLP: Flam. Gas 1A: H220 - Press. Gas: H280

Comment on component parts

For full text of H-statements: see SECTION 16.
*) (< 0,1 % Butadien (EINECS 203-450-8))

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SECTION 4: First aid measures

4.1 Description of first aid measures

General information	Take off contaminated clothing and wash before reuse. Place and transport casualty in recovery position.
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	Seek medical advice immediately.

4.2 Most important symptoms and effects, both acute and delayed

Headache
Drowsiness

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	Water spray jet. Dry powder. Carbon dioxide. Alcohol-resistant foam. Fire extinguishing method of surrounding areas must be considered.
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Extinguishing media that must not be used	Full water jet.
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5.2 Special hazards arising from the substance or mixture

Risk of formation of toxic pyrolysis products.
Bursting aerosols can be forcibly projected from a fire.

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5.3 Advice for firefighters

Use self-contained breathing apparatus.
Cool containers at risk with water spray jet.
Collect contaminated firefighting water separately, must not be discharged into the drains.
Fire residues and contaminated firefighting water must be disposed of in accordance within the local regulations.

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

Keep away from all sources of ignition.
Ensure adequate ventilation.
Use personal protective equipment.

6.2 Environmental precautions

Do not discharge into the drains/surface waters/groundwater.

6.3 Methods and material for containment and cleaning up

Take up mechanically.
Take up residues with absorbent material (e.g. sand).
Dispose of absorbed material in accordance within the regulations.

6.4 Reference to other sections

See SECTION 7+8+13

SECTION 7: Handling and storage

7.1 Precautions for safe handling

Provide good room ventilation even at ground level (vapours are heavier than air).
Avoid contact with eyes and skin. Use personal protective equipment.
Keep away from all sources of ignition - Refrain from smoking.
Vapours can form an explosive mixture with air.
Pressurized container: protect from sunlight and do not expose to temperatures exceeding 50 °C.
Do not spray on a naked flame or any incandescent material.
Do not pierce or burn, even after use.
Do not eat, drink or smoke when using this product.
Wash hands before breaks and after work.
Use barrier skin cream.
Contaminated work clothing should not be allowed out of the workplace.
Take off contaminated clothing and wash before reuse.

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7.2 Conditions for safe storage, including any incompatibilities

Provide solvent-resistant and impermeable floor.

Do not store together with oxidizing agents.

Keep in a cool place, heat causes increase in pressure and risk of bursting.

Protect from heat/overheating.

7.3 Specific end use(s)

See product use, SECTION 1.2

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SECTION 8: Exposure controls / personal protection

8.1 Control parameters

Ingredients with occupational exposure limits to be monitored (UK)

Substance
Hydrocarbons, C11-C12, isoalkanes, < 2% aromatics
EINECS/ELINCS: 918-167-1, Reg-No.: 01-2119472146-39-XXXX
Long-term exposure: 1200 mg/m ³
Hydrocarbons, C11-C13, isoalkanes, <2% aromatics
EINECS/ELINCS: 920-901-0, Reg-No.: 01-2119456810-40-XXXX
Long-term exposure: 100 ppm, 525 mg/m ³ , OSHA
Butane
CAS: 106-97-8, EINECS/ELINCS: 203-448-7, EU-INDEX: 601-004-00-0
Long-term exposure: 600 ppm, 1450 mg/m ³
Short-term exposure (15-minute): 750 ppm, 1810 mg/m ³
Hydrocarbons, C11-C14, isoalkanes, cyclics, < 2% aromatics
EINECS/ELINCS: 927-285-2, Reg-No.: 01-2119480162-45-XXXX
Long-term exposure: 1200 mg/m ³
Distillates (petroleum), hydrotreated light naphthenic
CAS: 64742-53-6, EINECS/ELINCS: 265-156-6, EU-INDEX: 649-466-00-2, Reg-No.: 01-21194
Long-term exposure: 1200 mg/m ³
iso-Butane
CAS: 75-28-5, EINECS/ELINCS: 200-857-2, EU-INDEX: 601-004-00-0, Reg-No.: 01-21194853
Long-term exposure: 600 ppm, 1450 mg/m ³ , (Butane)
Short-term exposure (15-minute): 750 ppm, 1810 mg/m ³

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

not relevant

DNEL

Substance
Hydrocarbons, C11-C12, isoalkanes, < 2% aromatics, CAS: -
There are no DNEL values established for the substance.
Hydrocarbons, C11-C13, isoalkanes, <2% aromatics
There are no DNEL values established for the substance.
iso-Butane, CAS: 75-28-5
There are no DNEL values established for the substance.
Propane, CAS: 74-98-6
There are no DNEL values established for the substance.
Benzenesulfonic acid, di-C10-14 alkyl derivs., calcium salts, CAS: 1471316-72-9
Industrial, inhalative, Long-term - systemic effects, 35,26 mg/m ³

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	Industrial, dermal, Long-term - systemic effects, 25 mg/kg bw/day	
	general population, inhalative, Long-term - systemic effects, 8,7 mg/m ³	
	general population, dermal, Long-term - systemic effects, 12.5 mg/kg bw/day	
	general population, oral, Long-term - systemic effects, 2,5 mg/kg bw/day	

PNEC

	Substance
	Hydrocarbons, C11-C12, isoalkanes, < 2% aromatics, CAS: -
	There are no PNEC values established for the substance.
	Hydrocarbons, C11-C13, isoalkanes, <2% aromatics
	There are no PNEC values established for the substance.
	iso-Butane, CAS: 75-28-5
	There are no PNEC values established for the substance.
	Propane, CAS: 74-98-6
	There are no PNEC values established for the substance.
	Benzenesulfonic acid, di-C10-14 alkyl derivs., calcium salts, CAS: 1471316-72-9
	freshwater, 0,1 mg/l
	seawater, 0,1 mg/l
	sewage treatment plants (STP), 1000 mg/l
	sediment (freshwater), 45211 mg/kg sediment dw
	sediment (seawater), 45211 mg/kg sediment dw
	soil, 36739,74 mg/kg soil dw

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8.2 Exposure controls

Additional advice on system design	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.
Eye protection	Safety glasses. (EN 166:2001)
Hand protection	The details concerned are recommendations. Please contact the glove supplier for further information. > 0,4 mm: Nitrile rubber, >480 min (EN 374-1/-2/-3). > 0,4 mm: Fluoro rubber, >480 min (EN 374-1/-2/-3).
Skin protection	Solvent-resistant protective clothing (EN 340)
Other	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. Do not inhale gases/vapours/aerosols.
Respiratory protection	Respiratory protection mask in the event of high concentrations. Short term: filter apparatus, combination filter A-P2. (DIN EN 14387)
Thermal hazards	none
Delimitation and monitoring of the environmental exposition	Comply with applicable environmental regulations limiting discharge to air, water and soil.

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SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

Physical state	liquid
Form	aerosol
Color	light yellow
Odor	characteristic
Odour threshold	No information available.
pH-value	not applicable
pH-value [1%]	not applicable
Boiling point or initial boiling point and boiling range [°C]	not applicable
Flash point [°C]	-97 (propellant)
Flammability	Extremely flammable aerosol.
Lower explosion limit	No information available.
Upper explosion limit	
Oxidising properties	no
Vapour pressure/gas pressure [kPa]	No information available.
Density [g/cm³]	0.72 (DIN 51 757)
Relative density	not determined
Bulk density [kg/m³]	not applicable
Solubility in water	virtually insoluble
Solubility other solvents	No information available.
Partition coefficient n-octanol/water (log value)	No information available.
Kinematic viscosity	not applicable
Relative vapour density	not applicable
Melting point [°C]	not applicable
Auto-ignition temperature [°C]	365
Decomposition temperature [°C]	not applicable
Particle characteristics	not applicable

9.2 Other information

none

SECTION 10: Stability and reactivity

10.1 Reactivity

No dangerous reactions known if used as directed.

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10.2 Chemical stability

Stable under normal ambient conditions (ambient temperature).

10.3 Possibility of hazardous reactions

Risk of bursting.

Evolution of flammable mixtures possible in air when heated above flash point and/or during spraying or misting.

10.4 Conditions to avoid

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

10.5 Incompatible materials

No information available.

10.6 Hazardous decomposition products

Flammable gases/vapours.

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SECTION 11: Toxicological information

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

Acute oral toxicity

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

Substance
Hydrocarbons, C11-C12, isoalkanes, < 2% aromatics, CAS: -
LD50, oral, Rat, > 5000 mg/kg OECD 401
Hydrocarbons, C11-C13, isoalkanes, <2% aromatics
LD50, oral, Rat, > 5000 mg/kg, OECD 401
Benzenesulfonic acid, di-C10-14 alkyl derivs., calcium salts, CAS: 1471316-72-9
LD50, oral, Rat, >10000 - <20000 mg/kg bw (Lit.)
NOAEL, oral, Rat, 500 mg/kg bw/day
Hydrocarbons, C11-C14, isoalkanes, cyclics, < 2% aromatics
LD50, oral, Rat, > 5000 mg/kg

Acute dermal toxicity

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

Substance
Hydrocarbons, C11-C12, isoalkanes, < 2% aromatics, CAS: -
LD50, dermal, Rabbit, > 5000 mg/kg OECD 402
Hydrocarbons, C11-C13, isoalkanes, <2% aromatics
LD50, dermal, Rabbit, > 5000 mg/kg, OECD 402
Benzenesulfonic acid, di-C10-14 alkyl derivs., calcium salts, CAS: 1471316-72-9
LD50, dermal, Rabbit, >2000 mg/kg bw (OECD 402)
NOAEL, dermal, Rat, >1000 mg/kg bw/day
Hydrocarbons, C11-C14, isoalkanes, cyclics, < 2% aromatics
LD50, dermal, Rabbit, > 5000 mg/kg

Acute inhalational toxicity

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

Substance
Hydrocarbons, C11-C12, isoalkanes, < 2% aromatics, CAS: -
LC50, inhalative, Rat, > 5000 mg/m ³ 8h, OECD 403
Hydrocarbons, C11-C13, isoalkanes, <2% aromatics
LC50, inhalativ (mist), Rat, > 5600 mg/m ³ /4h, OECD 403
LC50, inhalation (vapour), Rat, > 4951 mg/m ³ /4h, OECD 403, no adverse effect observed
iso-Butane, CAS: 75-28-5
LC50, inhalative, mouse, 1237 mg/l (2h) (Lit.)
Propane, CAS: 74-98-6

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	LC50, inhalative, Rat, > 1443 mg/l (15 min) (Lit.)	
	Butane, CAS: 106-97-8	
	LC50, inhalative, Rat, 658 mg/l (4 h) (Lit.)	
	Benzenesulfonic acid, di-C10-14 alkyl derivs., calcium salts, CAS: 1471316-72-9	
	LC50, inhalative, Rat, >1,9 mg/l air (EPA OPP 81-3)	
	NOAEL, inhalative, Rat, 50 mg/m ³ air	
	Hydrocarbons, C11-C14, isoalkanes, cyclics, < 2% aromatics	
	NOAEL, inhalative, Rat, >5 mg/L	

Serious eye damage/irritation

Slight irritant effect.
Based on the available information, the classification criteria are not fulfilled.

	Substance
	Hydrocarbons, C11-C12, isoalkanes, < 2% aromatics, CAS: -
	Rabbit, OECD 405, non-irritating
	Hydrocarbons, C11-C13, isoalkanes, <2% aromatics
	Rabbit, in vivo, OECD 405, non-irritating
	iso-Butane, CAS: 75-28-5
	Eye, non-irritating
	Propane, CAS: 74-98-6
	Eye, non-irritating

Skin corrosion/irritation

Slight irritant effect.
Based on the available information, the classification criteria are not fulfilled.

	Substance
	Hydrocarbons, C11-C12, isoalkanes, < 2% aromatics, CAS: -
	Rabbit, OECD 404, non-irritating
	Hydrocarbons, C11-C13, isoalkanes, <2% aromatics
	Rabbit, in vivo, OECD 404, non-irritating
	iso-Butane, CAS: 75-28-5
	dermal, non-irritating
	Propane, CAS: 74-98-6
	dermal, non-irritating

Respiratory or skin sensitisation

Non-sensitizing.
No classification due to substance-specific concentration limits.
EUH208: May produce an allergic reaction.
Calculation method

	Substance
	Hydrocarbons, C11-C12, isoalkanes, < 2% aromatics, CAS: -

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	Guinea pig, OECD 406, non-sensitizing	
	Hydrocarbons, C11-C13, isoalkanes, <2% aromatics	
	inhalative, non-sensitizing	
	dermal, Guinea pig, OECD 406, non-sensitizing	
	iso-Butane, CAS: 75-28-5	
	dermal, non-sensitizing	
	inhalative, non-sensitizing	
	Propane, CAS: 74-98-6	
	dermal, non-sensitizing	
	inhalative, non-sensitizing	

Specific target organ toxicity — single exposure

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

	Substance
	Hydrocarbons, C11-C13, isoalkanes, <2% aromatics
	no adverse effect observed
	iso-Butane, CAS: 75-28-5
	inhalative, non-irritating
	Propane, CAS: 74-98-6
	inhalative, non-irritating

Specific target organ toxicity — repeated exposure

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

	Substance
	Hydrocarbons, C11-C13, isoalkanes, <2% aromatics
	NOAEL, oral, Rat, 1000 mg/kg bw/day, no adverse effect observed
	NOAEC, inhalative, Rat, 10.4 mg/L, no adverse effect observed
	iso-Butane, CAS: 75-28-5
	NOAEC, inhalative, Rat, 4437 mg/m ³ , The effects observed are not sufficient for classification.
	Propane, CAS: 74-98-6
	NOAEC, inhalative, Rat, 4437 mg/m ³ , The effects observed are not sufficient for classification.

Mutagenicity

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

	Substance
	Hydrocarbons, C11-C12, isoalkanes, < 2% aromatics, CAS: -
	in vitro, OECD 471, negativ
	inhalation (vapour), Rat, in vivo, OECD 478, negativ
	Hydrocarbons, C11-C13, isoalkanes, <2% aromatics
	in vitro, negativ

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	in vivo, negativ

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

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

	Substance
	Hydrocarbons, C11-C13, isoalkanes, <2% aromatics
	OECD 453, no adverse effect observed

Aspiration hazard Based on the available information, the classification criteria are fulfilled.
May be fatal if swallowed and enters airways.
Calculation method

General remarks

Toxicological data of complete product are not available.
The toxicity data listed pertaining to the ingredients are intended for those working in the medicinal professions, experts for occupational health and safety and toxicologists. The toxicity data pertaining to the ingredients were supplied by the manufacturers of raw materials.

11.2 Information on other hazards

11.2.1 Endocrine disrupting properties No information available.

11.2.2 Other information none

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SECTION 12: Ecological information

12.1 Toxicity

Substance
Hydrocarbons, C11-C12, isoalkanes, < 2% aromatics, CAS: -
EL0, (48h), Daphnia magna, 1000 mg/L
NOELR, (72h), Pseudokirchneriella subcapitata, 1000 mg/L
NOELR, (21d), Daphnia magna, >=1 mg/L
LL0, (96h), Oncorhynchus mykiss, 1000 mg/L
Hydrocarbons, C11-C13, isoalkanes, <2% aromatics
EL0, (48h), Daphnia magna, 1000 mg/L
EL0, (72h), Pseudokirchneriella subcapitata, 1000 mg/L
NOELR, (72h), Pseudokirchneriella subcapitata, 1000 mg/L
NOELR, (21d), Daphnia magna, 1 mg/L
LL0, (96h), Oncorhynchus mykiss, 1000 mg/L
iso-Butane, CAS: 75-28-5
LC50, (96h), Fish, 7,71 - 19,37 mg/L
Benzenesulfonic acid, di-C10-14 alkyl derivs., calcium salts, CAS: 1471316-72-9
EL50, (48h), Daphnia magna, >100 mg/l (OECD 202)
EL50, (72h), Scenedesmus subspicatus, >100 mg/l (OECD 201)
LL50, (96h), Oncorhynchus mykiss, >100 mg/l (OECD 203)
Hydrocarbons, C11-C14, isoalkanes, cyclics, < 2% aromatics
LC50, (96h), Fish, > 1000 mg/l
EC50, (48h), Daphnia magna, > 1000 mg/l
EC50, (72h), Algae, > 1000 mg/l

12.2 Persistence and degradability

Behaviour in environment compartments	No information available.
Behaviour in sewage plant	No information available.
Biological degradability	No information available.

12.3 Bioaccumulative potential

No information available.

12.4 Mobility in soil

The product is insoluble in water.

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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

No information available.

12.7 Other adverse effects

The toxicity data pertaining to the ingredients were supplied by the manufacturers of raw materials.
Do not discharge product unmonitored into the environment.

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

Coordinate disposal with the authorities if necessary.
In according to RoHS!

Waste no. (recommended) 160504* gases in pressure containers (including halons) containing dangerous substances

Contaminated packaging

Uncontaminated packaging may be taken for recycling.

Waste no. (recommended) 150110* packaging containing residues of or contaminated by hazardous substances
150104
150102

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SECTION 14: Transport information

14.1 UN number or ID number

Transport by land according to ADR/RID 1950


Inland navigation (ADN) 1950

Marine transport in accordance with IMDG 1950

Air transport in accordance with IATA 1950

14.2 UN proper shipping name

Transport by land according to ADR/RID Aerosols

- Classification Code 5F
- Label 
- ADR LQ 1 I
- ADR 1.1.3.6 (8.6) Transport category (tunnel restriction code) 2 (D)

Inland navigation (ADN) Aerosols

- Classification Code 5F
- Label 

Marine transport in accordance with IMDG Aerosols

- EMS F-D, S-U
- Label 
- IMDG LQ 1 I

Air transport in accordance with IATA Aerosols, flammable

- Label 

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14.3 Transport hazard class(es)

Transport by land according to ADR/RID 2

Inland navigation (ADN) 2

Marine transport in accordance with IMDG 2.1

Air transport in accordance with IATA 2.1

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.

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14.7 Maritime transport in bulk according to IMO instruments

No information available.

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. 40, 75 According to Annex XVII of Regulation (EC) 1907/2006 (REACH) the product is subject to the following restrictions. 3
TRANSPORT-NATIONAL REGULATIONS (UK):	ADR (2023); IMDG-Code (2023, 41. Amdt.); IATA-DGR (2024) EH40/2005 Workplace exposure limits (Second edition, published December 2011); UK REACH; GB CLP.
- Observe employment restrictions for people	Observe employment restrictions for mothers-to-be and nursing mothers. Observe employment restrictions for young people. SEVESO III (Directive 2012/18/EU), Hazard categories in accordance with Regulation (EC) No 1272/2008: P3a FLAMMABLE AEROSOLS
- VOC (2010/75/CE)	87,0%

15.2 Chemical safety assessment

For this product a chemical safety assessment has not been carried out.

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SECTION 16: Other information

16.1 Hazard statements (SECTION 3)

H317 May cause an allergic skin reaction.

H280 Contains gas under pressure; may explode if heated.

H220 Extremely flammable gas.

EUH066 Repeated exposure may cause skin dryness or cracking.

H413 May cause long lasting harmful effects to aquatic life.

H304 May be fatal if swallowed and enters airways.

H226 Flammable liquid and vapour.

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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

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16.3 Other information

Classification procedure

Aerosol 1: H222 Extremely flammable aerosol. (Bridging principle "Aerosols") H229 Pressurised container: May burst if heated. (Calculation method)
Asp. Tox. 1: H304 May be fatal if swallowed and enters airways. (Calculation method)
Aquatic Chronic 4: H413 May cause long lasting harmful effects to aquatic life. (Calculation method)

Modified position

7.1, 8.2, 15.1