

# Arcanol MULTITOP

## Safety Data Sheet (UK REACH) (UK)

Date printed 14.07.2025, Revision 08.11.2024

Page 1 / 19

Version 12.1. Supersedes version: 12.0

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

#### 1.1 Product identifier

Arcanol MULTITOP

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

##### 1.2.1 Relevant uses

Lubricant

##### 1.2.2 Uses advised against

None known.

#### 1.3 Details of the supplier of the safety data sheet

##### Company

Schaeffler (UK) Limited  
Waleswood Road, Wales Bar  
S26 5PN Sheffield / UNITED KINGDOM  
Phone +44 19 09 51 05 00  
Homepage [www.schaeffler.co.uk](http://www.schaeffler.co.uk)  
E-mail [info.uk@schaeffler.com](mailto:info.uk@schaeffler.com)

##### Manufacturer

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

##### Address enquiries to

##### Technical information

[info.uk@schaeffler.com](mailto:info.uk@schaeffler.com)

##### Safety Data Sheet

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

#### 1.4 Emergency telephone number

##### Advisory body

Call NHS 111 or a doctor  
+49 (0)89-19240 (24h) (English)

### SECTION 2: Hazards identification

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

Aquatic Chronic 3: H412 Harmful to aquatic life with long lasting effects.

# Arcanol MULTITOP

## Safety Data Sheet (UK REACH) (UK)

Date printed 14.07.2025, Revision 08.11.2024  
Version 12.1. Supersedes version: 12.0

Page 2 / 19

### 2.2 Label elements

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

**Hazard pictograms**

none

**Signal word**

none

**Hazard statements**

H412 Harmful to aquatic life with long lasting effects.

**Precautionary statements**

P273 Avoid release to the environment.

P501 Dispose of contents/container in accordance with local/national regulation.

### 2.3 Other hazards

**Human health dangers**

Frequent persistent contact with the skin can cause skin irritation.

**Environmental hazards**

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. 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.

**Other hazards**

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

## SECTION 3: Composition / Information on ingredients

### 3.1 Substances

not applicable

# Arcanol MULTITOP

## Safety Data Sheet (UK REACH) (UK)

Date printed 14.07.2025, Revision 08.11.2024  
Version 12.1. Supersedes version: 12.0

Page 3 / 19

### 3.2 Mixtures

The product is a mixture.

Range [%]	Substance
25 - <50	Lubricating oils (petroleum), C20-50, hydrotreated neutral oil-based
	CAS: 72623-87-1, EINECS/ELINCS: 276-738-4, EU-INDEX: 649-483-00-5, Reg-No.: 01-2119474889-13-XXXX
	GHS/CLP: Asp. Tox. 1: H304
2,5 - < 5	Zinc bis[O,O-bis(2-ethylhexyl)] bis(dithiophosphate)
	CAS: 4259-15-8, EINECS/ELINCS: 224-235-5, Reg-No.: 01-2119493635-27-XXXX
	GHS/CLP: Eye Dam. 1: H318 - Aquatic Chronic 2: H411 SCL [%]: 50 - <80: Eye Irrit. 2: H319, 80 - 100: Eye Dam. 1: H318
0,5 - < 1 *	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 SCL [%]: >= 10: Skin Sens. 1B: H317

#### Comment on component parts

For full text of H-statements: see SECTION 16.  
Contains less than 3% w/w DMSO-extract (only for mineral oils)  
All ingredients comply with REACH registration requirements or are exempt from them.  
\* TSCA listing under CAS 93820-57-6 "Benzenesulfonic acid, di-C10-18-alkyl derivs., calcium salts"

## SECTION 4: First aid measures

### 4.1 Description of first aid measures

<b>General information</b>	Change soaked clothing.
<b>Inhalation</b>	Ensure supply of fresh air. In the event of symptoms seek medical treatment.
<b>Skin contact</b>	When in contact with the skin, clean with soap and water. Consult a doctor if skin irritation persists.
<b>Eye contact</b>	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.
<b>Ingestion</b>	Seek medical advice immediately. Do not induce vomiting.

### 4.2 Most important symptoms and effects, both acute and delayed

Headache  
Irritant effects

# Arcanol MULTITOP

## Safety Data Sheet (UK REACH) (UK)

Date printed 14.07.2025, Revision 08.11.2024  
Version 12.1. Supersedes version: 12.0

Page 4 / 19

### 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** Carbon dioxide.  
Water spray jet.  
Dry powder.  
Foam.

**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.  
Carbon monoxide (CO)  
Nitrogen oxides (NO<sub>x</sub>).

### 5.3 Advice for firefighters

Use self-contained breathing apparatus.  
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

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

### 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.  
Dispose of absorbed material in accordance within the regulations.

### 6.4 Reference to other sections

See SECTION 8+13

# Arcanol MULTITOP

## Safety Data Sheet (UK REACH) (UK)

Date printed 14.07.2025, Revision 08.11.2024  
Version 12.1. Supersedes version: 12.0

Page 5 / 19

### SECTION 7: Handling and storage

#### 7.1 Precautions for safe handling

Use only in well-ventilated areas.  
No special measures necessary if used correctly.

Wash hands before breaks and after work.  
Use barrier skin cream.  
Do not eat, drink or smoke when using this product.

#### 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.  
Do not store together with food and animal food/diet.  
Keep container tightly closed.  
Keep in a cool place. Store in a dry place.

#### 7.3 Specific end use(s)

See product use, SECTION 1.2

# Arcanol MULTITOP

## Safety Data Sheet (UK REACH) (UK)

Date printed 14.07.2025, Revision 08.11.2024 Version 12.1. Supersedes version: 12.0	Page 6 / 19
<b>SECTION 8: Exposure controls / personal protection</b>	

### 8.1 Control parameters

#### Ingredients with occupational exposure limits to be monitored (UK)

not relevant

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

not relevant

#### DNEL

Substance
Zinc bis[O,O-bis(2-ethylhexyl)] bis(dithiophosphate), CAS: 4259-15-8
Industrial, dermal, Long-term - systemic effects, 9,6 mg/kg bw/d
Industrial, inhalative, Long-term - systemic effects, 6,6 mg/m <sup>3</sup>
general population, inhalative, Long-term - systemic effects, 1,67 mg/m <sup>3</sup>
general population, dermal, Long-term - systemic effects, 4,8 mg/kg bw/d
general population, oral, Long-term - systemic effects, 0,19 mg/kg bw/d
Lubricating oils (petroleum), C20-50, hydrotreated neutral oil-based, CAS: 72623-87-1
Industrial, inhalative, Long-term - systemic effects, 2.73 mg/m <sup>3</sup>
Industrial, inhalative, Long-term - local effects, 5.58 mg/m <sup>3</sup>
Industrial, dermal, Long-term - systemic effects, 970 µg/kg bw/day
general population, oral, Long-term - systemic effects, 0.74mg/kg bw/day
Benzenesulfonic acid, di-C10-14 alkyl derivs., calcium salts, CAS: 1471316-72-9
Industrial, inhalative, Long-term - systemic effects, 35,26 mg/m <sup>3</sup>
Industrial, dermal, Long-term - systemic effects, 25 mg/kg bw/day
general population, inhalative, Long-term - systemic effects, 8,7 mg/m <sup>3</sup>
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
Zinc bis[O,O-bis(2-ethylhexyl)] bis(dithiophosphate), CAS: 4259-15-8
freshwater, 4 µg/L (AF= 100)
seawater, 4.6 µg/L (AF= 10 000)
sewage treatment plants (STP), 3.8 mg/L (AF= 100)
sediment (freshwater), 0.322 mg/kg dw
sediment (seawater), 0.0322 mg/kg dw
soil, 0.062 mg/kg dw
oral (food), 8.33 mg/kg food (AF=300)
Lubricating oils (petroleum), C20-50, hydrotreated neutral oil-based, CAS: 72623-87-1
oral (food), 9.33 mg/kg food
Benzenesulfonic acid, di-C10-14 alkyl derivs., calcium salts, CAS: 1471316-72-9

# Arcanol MULTITOP

## Safety Data Sheet (UK REACH) (UK)

Date printed 14.07.2025, Revision 08.11.2024		Page 7 / 19
Version 12.1. Supersedes version: 12.0		
	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	

### 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.  
In full contact:  
> 0,4 mm: Butyl rubber, >120 min (EN 374-1/-2/-3).

**Skin protection** light protective clothing

**Other** Avoid contact with eyes and skin.

**Respiratory protection** Not required under normal conditions.

**Thermal hazards** not applicable

**Delimitation and monitoring of the environmental exposition** Comply with applicable environmental regulations limiting discharge to air, water and soil.

# Arcanol MULTITOP

## Safety Data Sheet (UK REACH) (UK)

Date printed 14.07.2025, Revision 08.11.2024  
Version 12.1. Supersedes version: 12.0

Page 8 / 19

### SECTION 9: Physical and chemical properties

#### 9.1 Information on basic physical and chemical properties

<b>Physical state</b>	liquid
<b>Form</b>	pasty
<b>Color</b>	dark brown
<b>Odor</b>	characteristic
<b>Odour threshold</b>	No information available.
<b>pH-value</b>	not applicable
<b>pH-value [1%]</b>	not applicable
<b>Boiling point or initial boiling point and boiling range [°C]</b>	> 300°C/> 572°F
<b>Flash point [°C]</b>	> 200°C/> 392°F
<b>Flammability</b>	No information available.
<b>Lower explosion limit</b>	No information available.
<b>Upper explosion limit</b>	No information available.
<b>Oxidising properties</b>	no
<b>Vapour pressure/gas pressure [kPa]</b>	< 0,01 (20°C)
<b>Density [g/cm<sup>3</sup>]</b>	ca. 0,89 (20°C)
<b>Relative density</b>	No information available.
<b>Bulk density [kg/m<sup>3</sup>]</b>	not applicable
<b>Solubility in water [g/L]</b>	virtually insoluble
<b>Solubility other solvents</b>	No information available.
<b>Partition coefficient n-octanol/water (log value)</b>	No information available.
<b>Kinematic viscosity</b>	82 mm <sup>2</sup> /s (40°C)
<b>Relative vapour density</b>	No information available.
<b>Melting point [°C]</b>	No information available.
<b>Auto-ignition temperature [°C]</b>	No information available.
<b>Decomposition temperature [°C]</b>	> 200°C/> 392°F
<b>Particle characteristics</b>	not applicable

#### 9.2 Other information

Drop point: > 190°C

### SECTION 10: Stability and reactivity

#### 10.1 Reactivity

No dangerous reactions known if used as directed.

# Arcanol MULTITOP

## Safety Data Sheet (UK REACH) (UK)

Date printed 14.07.2025, Revision 08.11.2024  
Version 12.1. Supersedes version: 12.0

Page 9 / 19

### 10.2 Chemical stability

Stable under normal ambient conditions (ambient temperature).

### 10.3 Possibility of hazardous reactions

Reactions with oxidizing agents.

If product is heated above decomposition temperature toxic vapours may be released.

### 10.4 Conditions to avoid

See SECTION 7.2.

### 10.5 Incompatible materials

not determined

### 10.6 Hazardous decomposition products

No hazardous decomposition products known.

# Arcanol MULTITOP

## Safety Data Sheet (UK REACH) (UK)

Date printed 14.07.2025, Revision 08.11.2024

Page 10 / 19

Version 12.1. Supersedes version: 12.0

### 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
Zinc bis[O,O-bis(2-ethylhexyl)] bis(dithiophosphate), CAS: 4259-15-8
LD50, oral, Rat, 3100 mg/kg bw, OECD 401
Lubricating oils (petroleum), C20-50, hydrotreated neutral oil-based, CAS: 72623-87-1
LD50, oral, Rat, > 5000 mg/kg bw
Benzenesulfonic acid, di-C10-14 alkyl derivs., calcium salts, CAS: 1471316-72-9
LD50, oral, Rat, >10000 - <20000 mg/kg bw (Lit.)

##### Acute dermal toxicity

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

Substance
Zinc bis[O,O-bis(2-ethylhexyl)] bis(dithiophosphate), CAS: 4259-15-8
LD50, dermal, Rabbit, > 5000 mg/kg bw, OECD 402
Lubricating oils (petroleum), C20-50, hydrotreated neutral oil-based, CAS: 72623-87-1
LD50, dermal, Rabbit, > 5000 mg/kg bw
Benzenesulfonic acid, di-C10-14 alkyl derivs., calcium salts, CAS: 1471316-72-9
LD50, dermal, Rabbit, >2000 mg/kg bw (OECD 402)

##### Acute inhalational toxicity

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

Substance
Lubricating oils (petroleum), C20-50, hydrotreated neutral oil-based, CAS: 72623-87-1
LC50, inhalative, Rat, > 5 mg/L, 4h
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)

##### Serious eye damage/irritation

Slight irritant effect - does not require labelling.  
The undiluted substance CAS 4259-15-8 is an irritant while the 50% formulation in mineral oil was not an irritant.  
Based on the available information, the classification criteria are not fulfilled.

Substance
Zinc bis[O,O-bis(2-ethylhexyl)] bis(dithiophosphate), CAS: 4259-15-8
Eye, Rabbit, OECD 405, corrosive
Lubricating oils (petroleum), C20-50, hydrotreated neutral oil-based, CAS: 72623-87-1
Eye, non-irritating

# Arcanol MULTITOP

## Safety Data Sheet (UK REACH) (UK)

Date printed 14.07.2025, Revision 08.11.2024  
Version 12.1. Supersedes version: 12.0

Page 11 / 19

### Skin corrosion/irritation

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

Substance
Zinc bis[O,O-bis(2-ethylhexyl)] bis(dithiophosphate), CAS: 4259-15-8
dermal, Rabbit, OECD 404, non-irritating
Lubricating oils (petroleum), C20-50, hydrotreated neutral oil-based, CAS: 72623-87-1
dermal, non-irritating

### Respiratory or skin sensitisation

The labelling was carried out based on substance-specific concentration limits.  
Based on the available information, the classification criteria are not fulfilled.

Substance
Zinc bis[O,O-bis(2-ethylhexyl)] bis(dithiophosphate), CAS: 4259-15-8
dermal, Guinea pig, OECD 406, non-sensitizing
Lubricating oils (petroleum), C20-50, hydrotreated neutral oil-based, CAS: 72623-87-1
dermal, 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
Zinc bis[O,O-bis(2-ethylhexyl)] bis(dithiophosphate), CAS: 4259-15-8
NOAEL, oral, Rat, 125 mg/kg bw/day (28d), OECD 407
Lubricating oils (petroleum), C20-50, hydrotreated neutral oil-based, CAS: 72623-87-1
NOAEC, inhalative, Rat, 980 mg/m <sup>3</sup> air
LOAEL, oral, Rat, 125 mg/kg bw/day

### Mutagenicity

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

Substance
Zinc bis[O,O-bis(2-ethylhexyl)] bis(dithiophosphate), CAS: 4259-15-8
InVitro, OECD 471, negativ
InVivo, OECD 474, negativ
Lubricating oils (petroleum), C20-50, hydrotreated neutral oil-based, CAS: 72623-87-1
in vitro, negativ

# Arcanol MULTITOP

## Safety Data Sheet (UK REACH) (UK)

Date printed 14.07.2025, Revision 08.11.2024	Page 12 / 19
Version 12.1. Supersedes version: 12.0	

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

**- Fertility**

	Substance
	Zinc bis[O,O-bis(2-ethylhexyl)] bis(dithiophosphate), CAS: 4259-15-8
	NOAEL, Rat, 30 mg/kg bw/day, OECD 421
	Lubricating oils (petroleum), C20-50, hydrotreated neutral oil-based, CAS: 72623-87-1
	NOAEL, oral, Rat, 1000 mg/kg bw/day
	Benzenesulfonic acid, di-C10-14 alkyl derivs., calcium salts, CAS: 1471316-72-9
	NOAEL, oral, Rat, 500 mg/kg bw/d (Effect on fertility), no adverse effect observed
	NOAEL, oral, Rat, 500 mg/kg bw/d (Effect on developmental toxicity), no adverse effect observ

**- Development**

	Substance
	Zinc bis[O,O-bis(2-ethylhexyl)] bis(dithiophosphate), CAS: 4259-15-8
	NOAEL, Rat, 30 mg/kg bw/day, OECD 421
	Benzenesulfonic acid, di-C10-14 alkyl derivs., calcium salts, CAS: 1471316-72-9
	NOAEL, oral, Rat, 500 mg/kg bw/d (Effect on fertility), no adverse effect observed
	NOAEL, oral, Rat, 500 mg/kg bw/d (Effect on developmental toxicity), no adverse effect observ

**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.

**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

# Arcanol MULTITOP

## Safety Data Sheet (UK REACH) (UK)

Date printed 14.07.2025, Revision 08.11.2024 Version 12.1. Supersedes version: 12.0	Page 13 / 19
<b>SECTION 12: Ecological information</b>	

### 12.1 Toxicity

Substance
Zinc bis[O,O-bis(2-ethylhexyl)] bis(dithiophosphate), CAS: 4259-15-8
EL50, (48h), Daphnia magna, 75 mg/l (OECD 202)
NOEC, (21d), Daphnia magna, 0,4 mg/l (OECD 211)
LL50, (96h), Rainbow trout, 4,4 mg/l (OECD 203)
ErL50, (72h), Scenedesmus subspicatus, 410 mg/l (OECD 201)
EbL50, (72h), Scenedesmus subspicatus, 240 mg/l (OECD 201)
Lubricating oils (petroleum), C20-50, hydrotreated neutral oil-based, CAS: 72623-87-1
EL50, (48h), Invertebrates, > 10000 mg/L
LL50, (4d), Fish, > 100 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)

### 12.2 Persistence and degradability

<b>Behaviour in environment compartments</b>	No information available.
<b>Behaviour in sewage plant</b>	No information available.
<b>Biological degradability</b>	CAS 4259-15-8: < 5%, 5d (OECD 301D) The product is only slightly biodegradable.

Substance
Zinc bis[O,O-bis(2-ethylhexyl)] bis(dithiophosphate), CAS: 4259-15-8
(28d), 5%, OECD 301 B, The product is not readily biodegradable.
Lubricating oils (petroleum), C20-50, hydrotreated neutral oil-based, CAS: 72623-87-1
(28d), 1 - 4 %, OECD 301 B, The product is not readily biodegradable.

### 12.3 Bioaccumulative potential

not determined

Substance
Zinc bis[O,O-bis(2-ethylhexyl)] bis(dithiophosphate), CAS: 4259-15-8
log Pow, 3,59
log Kow, 3,6

# Arcanol MULTITOP

## Safety Data Sheet (UK REACH) (UK)

Date printed 14.07.2025, Revision 08.11.2024 Page 14 / 19  
 Version 12.1. Supersedes version: 12.0

**12.4 Mobility in soil**

The product is insoluble in water.

**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**

Disposal in an incineration plant in accordance with the regulations of the local authorities.

In according to RoHS!

Coordinate disposal with the disposal contractor/authorities if necessary.

**Waste no. (recommended)**

120112\* spent waxes and fats

**Contaminated packaging**

Uncontaminated packaging may be taken for recycling.

Uncontaminated packaging may be reused.

**Waste no. (recommended)**

150110\* packaging containing residues of or contaminated by hazardous substances  
 150104

# Arcanol MULTITOP

## Safety Data Sheet (UK REACH) (UK)

Date printed 14.07.2025, Revision 08.11.2024  
Version 12.1. Supersedes version: 12.0

Page 15 / 19

### 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"

#### 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

# Arcanol MULTITOP

## Safety Data Sheet (UK REACH) (UK)

Date printed 14.07.2025, Revision 08.11.2024  
Version 12.1. Supersedes version: 12.0

Page 16 / 19

### 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

# Arcanol MULTITOP

## Safety Data Sheet (UK REACH) (UK)

Date printed 14.07.2025, Revision 08.11.2024 Version 12.1. Supersedes version: 12.0	Page 17 / 19
<b>SECTION 15: Regulatory information</b>	

### 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) 2024/573; (EU) 2019/1148; (EU) 2019/1021, (EU) 2023/707

- **Comment on component parts** SVHC (Candidate List of Substances of Very High Concern for authorisation) ≥ 0.1%  
CAS 597-82-0 - O,O,O-Triphenyl phosphorothioate

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

- **Annex XVII (REACH)** According to Annex XVII of Regulation (EC) 1907/2006 (REACH) the product contains ≥ 0.1% of substances with the following restrictions.  
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 (2025); IMDG-Code (2025, 42. Amdt.); IATA-DGR (2025) EH40/2005 Workplace exposure limits (Second edition, published December 2011); UK REACH; GB CLP.

- **Observe employment restrictions for people** no

- **VOC (2010/75/CE)** 0 %

### 15.2 Chemical safety assessment

not applicable

<b>SECTION 16: Other information</b>
--------------------------------------

### 16.1 Hazard statements (SECTION 3)

H317 May cause an allergic skin reaction.  
H411 Toxic to aquatic life with long lasting effects.  
H318 Causes serious eye damage.  
H304 May be fatal if swallowed and enters airways.

# Arcanol MULTITOP

## Safety Data Sheet (UK REACH) (UK)

Date printed 14.07.2025, Revision 08.11.2024  
Version 12.1. Supersedes version: 12.0

Page 18 / 19

### 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

# Arcanol MULTITOP

## Safety Data Sheet (UK REACH) (UK)

Date printed 14.07.2025, Revision 08.11.2024  
Version 12.1. Supersedes version: 12.0

Page 19 / 19

### 16.3 Other information

**Classification procedure** Aquatic Chronic 3: H412 Harmful to aquatic life with long lasting effects. (Calculation method)

**Modified position** 1.3, 1.4