

# Arcanol MULTI3

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

Date printed 11.07.2025, Revision 08.04.2025  
Version 12.0. Supersedes version: 11.0

Page 1 / 16

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

#### 1.1 Product identifier

**Arcanol MULTI3**

#### 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]

No classification.

# Arcanol MULTI3

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

Date printed 11.07.2025, Revision 08.04.2025 Version 12.0. Supersedes version: 11.0	Page 2 / 16
--	-------------

### 2.2 Label elements

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

<b>Hazard pictograms</b>	none
<b>Signal word</b>	none
<b>Hazard statements</b>	none
<b>Precautionary statements</b>	none
<b>Special labelling</b>	EUH210 Safety data sheet available on request.

### 2.3 Other hazards

<b>Physico-chemical hazards</b>	Reactions with oxidizing agents.
<b>Human health dangers</b>	Frequent persistent contact with the skin can cause skin irritation.
<b>Environmental hazards</b>	Does not contain any PBT or vPvB substances.
<b>Other hazards</b>	none

## SECTION 3: Composition / Information on ingredients

### 3.1 Substances

not applicable

### 3.2 Mixtures

The product is a mixture.

Range [%]	Substance
0,1 - < 1	Benzenamine, N-phenyl-, reaction products with 2,4,4-trimethylpentene
	CAS: 68411-46-1, EINECS/ELINCS: 270-128-1, Reg-No.: 01-2119491299-23-XXXX
	GHS/CLP: Repr. 2: H361f - Aquatic Chronic 3: H412

**Comment on component parts** All chemical substances in this material are included on or exempted from listing on the AICIS Inventory.

# Arcanol MULTI3

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

Date printed 11.07.2025, Revision 08.04.2025  
Version 12.0. Supersedes version: 11.0

Page 3 / 16

### 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

None known.

#### 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.  
Alcohol-resistant 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.

#### 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.

# Arcanol MULTI3

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

Date printed 11.07.2025, Revision 08.04.2025  
Version 12.0. Supersedes version: 11.0

Page 4 / 16

### SECTION 6: Accidental release measures

#### 6.1 Personal precautions, protective equipment and emergency procedures

High risk of slipping due to leakage/spillage of product.  
Forms slippery surfaces with water.

#### 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 8+13

### SECTION 7: Handling and storage

#### 7.1 Precautions for safe handling

Use only in well-ventilated areas.

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.  
Cloths contaminated with product should not be kept in trouser pockets.  
Do not eat, drink or smoke when using this product.

#### 7.2 Conditions for safe storage, including any incompatibilities

Keep only in original container.  
Do not store together with food.  
Do not store together with oxidizing agents.  
Keep container tightly closed.

#### 7.3 Specific end use(s)

See product use, SECTION 1.2

# Arcanol MULTI3

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

Date printed 11.07.2025, Revision 08.04.2025 Version 12.0. Supersedes version: 11.0	Page 5 / 16
<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
Benzenamine, N-phenyl-, reaction products with 2,4,4-trimethylpentene, CAS: 68411-46-1
Industrial, inhalative, Long-term - systemic effects, 0,31 mg/m <sup>3</sup> (AF= 50)
Industrial, dermal, Long-term - systemic effects, 0,44 mg/kg bw/d (AF= 200)
general population, inhalative, Long-term - systemic effects, 0,08 mg/m <sup>3</sup> (AF= 100)
general population, dermal, Long-term - systemic effects, 0,22 mg/kg bw/d (AF= 400)
general population, oral, Long-term - systemic effects, 0,05 mg/kg bw/d (AF= 400)

#### PNEC

Substance
Benzenamine, N-phenyl-, reaction products with 2,4,4-trimethylpentene, CAS: 68411-46-1
freshwater, 33.8 µg/L
seawater, 3.38 µg/L
sewage treatment plants (STP), 10 mg/L
sediment (freshwater), 446 µg/kg sediment dw
sediment (seawater), 44.6 µg/kg sediment dw
soil, 17.6 mg/kg soil dw
oral (food), 833 µg/kg food

# Arcanol MULTI3

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

Date printed 11.07.2025, Revision 08.04.2025  
Version 12.0. Supersedes version: 11.0

Page 6 / 16

### 8.2 Exposure controls

<b>Additional advice on system design</b>	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.
<b>Eye protection</b>	Safety glasses. (EN 166:2001)
<b>Hand protection</b>	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).
<b>Skin protection</b>	Protective clothing (EN 340)
<b>Other</b>	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.
<b>Respiratory protection</b>	Short term: filter apparatus, combination filter A-P2. (DIN EN 14387)
<b>Thermal hazards</b>	none
<b>Delimitation and monitoring of the environmental exposition</b>	Comply with applicable environmental regulations limiting discharge to air, water and soil.

# Arcanol MULTI3

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

Date printed 11.07.2025, Revision 08.04.2025  
Version 12.0. Supersedes version: 11.0

Page 7 / 16

### SECTION 9: Physical and chemical properties

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

<b>Physical state</b>	solid
<b>Form</b>	pasty
<b>Color</b>	light brown
<b>Odor</b>	characteristic
<b>Odour threshold</b>	not relevant
<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>	No information available.
<b>Flash point [°C]</b>	not applicable
<b>Flammability</b>	No information available.
<b>Lower explosion limit</b>	not applicable
<b>Upper explosion limit</b>	not applicable
<b>Oxidising properties</b>	no
<b>Vapour pressure/gas pressure [kPa]</b>	No information available.
<b>Density [g/cm<sup>3</sup>]</b>	ca. 0,9 (DIN 51757) (25°C / 77,0°F)
<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>	NLGI 3
<b>Relative vapour density</b>	not relevant
<b>Melting point [°C]</b>	No information available.
<b>Auto-ignition temperature [°C]</b>	not applicable
<b>Decomposition temperature [°C]</b>	not determined
<b>Particle characteristics</b>	No information available.

#### 9.2 Other information

Drop point: 180°C

### SECTION 10: Stability and reactivity

#### 10.1 Reactivity

No dangerous reactions known if used as directed.

# Arcanol MULTI3

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

Date printed 11.07.2025, Revision 08.04.2025  
Version 12.0. Supersedes version: 11.0

Page 8 / 16

### 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

### 10.5 Incompatible materials

Strong oxidizing agent.

### 10.6 Hazardous decomposition products

No hazardous decomposition products known.

# Arcanol MULTI3

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

Date printed 11.07.2025, Revision 08.04.2025 Page 9 / 16  
 Version 12.0. Supersedes version: 11.0

### 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.

Substance
Benzenamine, N-phenyl-, reaction products with 2,4,4-trimethylpentene, CAS: 68411-46-1
LD50, oral, Rat, >5000 mg/kg bw
NOAEL, oral, Rat, 25 mg/kg bw/day

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

Substance
Benzenamine, N-phenyl-, reaction products with 2,4,4-trimethylpentene, CAS: 68411-46-1
LD50, dermal, Rat, >2000 mg/kg bw

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

**Serious eye damage/irritation** Based on available data, the classification criteria are not met.  
Slight irritant effect.

**Skin corrosion/irritation** Based on available data, the classification criteria are not met.

**Respiratory or skin sensitisation** Based on available data, the classification criteria are not met.

**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.

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

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

**- Fertility** No information available.

**- Development**

Substance
Benzenamine, N-phenyl-, reaction products with 2,4,4-trimethylpentene, CAS: 68411-46-1
NOAEL, parenteral, 75 mg/kg bw/d, OECD 422

**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.

# Arcanol MULTI3

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

Date printed 11.07.2025, Revision 08.04.2025  
Version 12.0. Supersedes version: 11.0

Page 10 / 16

### General remarks

Toxicological data of complete product are not available.

### 11.2 Information on other hazards

**11.2.1 Endocrine disrupting properties** Contains no ingredients with endocrine-disrupting properties.

**11.2.2 Other information** none

## SECTION 12: Ecological information

### 12.1 Toxicity

Product

Ecological data of complete product are not available.

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

Substance

Benzenamine, N-phenyl-, reaction products with 2,4,4-trimethylpentene, CAS: 68411-46-1

LC50, (96h), Fish, 100 mg/L

EC50, (48h), Invertebrates, 51 mg/L

EC50, (72h), Invertebrates, 100 mg/L

EL10, (21d), Invertebrates, 1.69 mg/L

### 12.2 Persistence and degradability

#### Behaviour in environment compartments

**Behaviour in sewage plant** No information available.

**Biological degradability** No information available.

Substance

Benzenamine, N-phenyl-, reaction products with 2,4,4-trimethylpentene, CAS: 68411-46-1

The product is not readily biodegradable.

### 12.3 Bioaccumulative potential

not determined

### 12.4 Mobility in soil

The product is insoluble in water.

# Arcanol MULTI3

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

Date printed 11.07.2025, Revision 08.04.2025  
Version 12.0. Supersedes version: 11.0

Page 11 / 16

### 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

Contains no ingredients with endocrine-disrupting properties.

### 12.7 Other adverse effects

none

## 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!

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

For recycling, consult manufacturer.

**Waste no. (recommended)** 120112\* spent waxes and fats

#### Contaminated packaging

Uncontaminated packaging may be taken for recycling.

Contaminated packaging should be emptied as far as possible and after appropriate cleansing may be taken for reuse.

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

# Arcanol MULTI3

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

Date printed 11.07.2025, Revision 08.04.2025  
Version 12.0. Supersedes version: 11.0

Page 12 / 16

### 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 MULTI3

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

Date printed 11.07.2025, Revision 08.04.2025  
Version 12.0. Supersedes version: 11.0

Page 13 / 16

### 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 MULTI3

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

Date printed 11.07.2025, Revision 08.04.2025  
Version 12.0. Supersedes version: 11.0

Page 14 / 16

### 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) 2024/573; (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-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

### SECTION 16: Other information

#### 16.1 Hazard statements (SECTION 3)

H412 Harmful to aquatic life with long lasting effects.  
H361f Suspected of damaging fertility.

# Arcanol MULTI3

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

Date printed 11.07.2025, Revision 08.04.2025  
Version 12.0. Supersedes version: 11.0

Page 15 / 16

### 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

# Arcanol MULTI3

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

Date printed 11.07.2025, Revision 08.04.2025  
Version 12.0. Supersedes version: 11.0

Page 16 / 16

**Modified position**

8.1, 8.2, 11.1, 11.2, 12.1, 12.2, 12.3, 12.4, 12.5, 12.6, 12.7