

Safety Data Sheet



Akasil Antifoam SRE

Issue date 13-May-2019

Revision date 13-May-2019

Version 4

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

1.1. Product Identifier

Product name Akasil Antifoam SRE

Pure substance/mixture Mixture

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

Recommended Use Defoamer

Uses advised against No information available

1.3. Details of the supplier of the safety data sheet

BRB International BV
Branskamp 12
6014 CB Ittervoort
The Netherlands
☎ : 0031-475-560300

BRB SILICONE SYNTHESIS Sdn Bhd
No. 21D, Jalan Perigi Nanas 7/2, KS11,
Kawasan Perindustrian Pulau Indah,
42920 Pulau Indah,
Selangor Darul Ehsan, Malaysia.
☎ : 00603-3102-3278

BRB Central Eastern Europe Sp. z o.o.
ul. płk. Stanisława Dąbka 8
30-732 Krakow
Poland
☎ : 0048-12-4157922

For further information, please contact

Contact Point R&D
E-mail address MSDS@brbbv.com

1.4. Emergency telephone number

Emergency telephone +44 1235 239670 (NCEC 24/7) For additional emergency telephone numbers see section 16 of the safety data sheet.

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Regulation (EC) No 1272/2008

This mixture is classified as not hazardous according to regulation (EC) 1272/2008 [GHS] .

2.2. Label Elements

Product Identifier

This mixture is classified as not hazardous according to regulation (EC) 1272/2008 [GHS] .

Signal Word

None

EUH208 - Contains A Mixture Of: 5-Chloro-2-Methyl-2H-Isothiazol-3-One And 2-Methyl-2H-Isothiazol-3-One (3:1) May produce an allergic reaction

EUH210 - Safety data sheet available on request

2.3. Other Hazards

No information available

SECTION 3: Composition/information on ingredients**3.1 Substances**

Not applicable

3.2 Mixtures

Chemical name	EC No	CAS No	REACH registration number	Classification according to Regulation (EC) No. 1272/2008 [CLP]	Weight-%
Tridecanoethoxylate, Branched Wit 2-5 Eo	-	69011-36-5	No data available	Eye Dam. 1 (H318) Aquatic Chronic 3 (H412)	1-5
Alpha-Octadecyl-Omega-Hydroxy-Polyglycol ether	-	9005-00-9	No data available	Aquatic Acute 1 (H400) Aquatic Chronic 3 (H412)	1-5
A Mixture Of: 5-Chloro-2-Methyl-2H-Isothiazol-3-One And 2-Methyl-2H-Isothiazol-3-One (3:1)	-	55965-84-9	No data available	Acute Tox. 3 (H301) Acute Tox. 3 (H311) Skin Corr. 1B (H314) Skin Sens. 1 (H317) Acute Tox. 3 (H331) Aquatic Acute 1 (H400) Aquatic Chronic 1 (H410)	<0.01

Full text of H- and EUH-phrases: see section 16**SECTION 4: First aid measures****4.1. Description of first aid measures**

General advice	When in doubt or if symptoms are observed, get medical advice.
Inhalation	Remove to fresh air.
Skin contact	Wash off immediately with soap and plenty of water while removing all contaminated clothes and shoes. If symptoms persist, call a doctor.
Eye Contact	Immediately flush with plenty of water. After initial flushing, remove any contact lenses and continue flushing for at least 15 minutes.
Ingestion	Clean mouth with water and drink afterwards plenty of water. Do NOT induce vomiting.

4.2. Most important symptoms and effects, both acute and delayed**Symptoms** None known.**4.3. Indication of any immediate medical attention and special treatment needed****Note to doctors** Treat symptomatically.

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable Extinguishing Media

Use. Carbon dioxide (CO₂). Extinguishing powder. Alcohol resistant foam. Cool containers with flooding quantities of water until well after fire is out.

Unsuitable Extinguishing Media

Do not use a solid water stream as it may scatter and spread fire

5.2. Special hazards arising from the substance or mixture

Thermal decomposition can lead to release of irritating and toxic gases and vapours

Hazardous combustion products Carbon dioxide (CO₂), Carbon monoxide, Nitrogen oxides (NO_x), Silicon dioxide.

5.3. Advice for firefighters

In the event of fire and/or explosion do not breathe fumes. Use water spray jet to protect personnel and to cool endangered containers. Wear self-contained breathing apparatus and protective suit. Use personal protective equipment as required. Do not allow run-off from fire-fighting to enter drains or water courses.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Personal precautions

Special danger of slipping by leaking/spilling product. Ensure adequate ventilation, especially in confined areas. Do not breathe gas/fumes/vapour/spray. Evacuate personnel to safe areas.

For emergency responders

Use personal protection recommended in Section 8.

6.2. Environmental precautions

See Section 12 for additional Ecological Information.

6.3. Methods and material for containment and cleaning up

Methods for Containment

Prevent further leakage or spillage if safe to do so.

Methods for cleaning up

Use personal protective equipment as required. Soak up with inert absorbent material. Dam up. Pick up and transfer to properly labelled containers. Clean contaminated surface thoroughly.

6.4. Reference to other sections

See section 8 for national exposure control parameters. See Section 12 for additional Ecological Information.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Advice on safe handling

Ensure adequate ventilation, especially in confined areas. Do not breathe gas/fumes/vapour/spray. Use personal protective equipment as required. In case of gas escape or of entry into waterways, soil or drains, inform the responsible authorities. Avoid contact with skin, eyes or clothing.

General hygiene considerations

Do not eat, drink or smoke when using this product. Wash hands thoroughly after handling.

7.2. Conditions for safe storage, including any incompatibilities**Storage Conditions**

Keep container tightly closed in a dry and well-ventilated place. Never use pressure to empty; drum is not a pressure vessel.

7.3. Specific end use(s)**Risk Management Methods (RMM)**

The information required is contained in this Material Safety Data Sheet.

SECTION 8: Exposure controls/personal protection**8.1. Control parameters**

Exposure Limits This product, as supplied, does not contain any hazardous materials with occupational exposure limits established by the region specific regulatory bodies.

Derived No Effect Level (DNEL) No information available

Predicted No Effect Concentration (PNEC) No information available

8.2. Exposure controls

Engineering controls Ensure adequate ventilation, especially in confined areas.

Personal Protective Equipment**Eye/face Protection**

Wear safety glasses with side shields (or goggles).

Hand protection

Wear protective gloves. To protect the wearer, gloves must be the correct fit and be used properly. Ensure that the breakthrough time of the glove material is not exceeded. Refer to glove supplier for information on breakthrough time for specific gloves.

Skin and Body Protection

Suitable protective clothing. Wear protective gloves. To protect the wearer, gloves must be the correct fit and be used properly. Ensure that the breakthrough time of the glove material is not exceeded. Refer to glove supplier for information on breakthrough time for specific gloves. Gloves must conform to standard EN 374.

Respiratory protection

None under normal use conditions.

Environmental exposure controls Local authorities should be advised if significant spillages cannot be contained.

SECTION 9: Physical and chemical properties**9.1. Information on basic physical and chemical properties**

Physical State	Liquid	Odour	characteristic
Appearance	No information available	Odour threshold	No information available
Colour	white		
Property	Values	Remarks • Method	
pH	approx. 6.5		
Melting point/freezing point	approx. -1 °C / 30 °F		
Boiling point / boiling range	approx. 100 °C / 212 °F		
Flash Point		No information available	
Evaporation Rate		No information available	
Flammability (solid, gas)		No information available	
Flammability Limit in Air			
Upper flammability limit:	No data available		
Lower flammability limit	No data available		

Vapour pressure	approx. 23 hPa	@ 20°C
Vapour Density		No information available
Specific gravity	approx. 1.000 g/cm ³	@ 20°C
Water solubility	100.0 %	@ 20°C
Solubility(ies)	Miscible (Water)	
Partition coefficient		No information available
Autoignition Temperature		No information available
Decomposition temperature		No information available
Kinematic viscosity	No data available	@ 40 °C
Dynamic viscosity	No data available approx. 250 mPa s	@ 40 °C @ 20°C
Explosive properties	No information available	
Oxidising properties	No information available	

9.2. Other information

No information available

SECTION 10: Stability and reactivity**10.1. Reactivity**

No data available.

10.2. Chemical stability

Stable under normal conditions.

10.3. Possibility of hazardous reactions

None under normal processing.

10.4. Conditions to avoid

None known based on information supplied.

10.5. Incompatible materials

Incompatible with oxidising agents. Acids. Bases.

10.6. Hazardous decomposition products

If this product is heated to > 150 °C, trace quantities of formaldehyde may be released, and adequate ventilation is required.

SECTION 11: Toxicological information**11.1. Information on toxicological effects****Acute Toxicity****Product Information**

Product does not present an acute toxicity hazard based on known or supplied information.

Inhalation	No data available.
Eye Contact	No data available.
Skin contact	No data available.
Ingestion	No data available.

Oral LD50

> 5000 mg/kg

Rat

OECD 401

Dermal LD50

> 2000 mg/kg	Rat	OECD 402
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Unknown acute toxicity

0% of the mixture consists of ingredient(s) of unknown toxicity.

Chemical name	Oral LD50	Dermal LD50	Inhalation LC50
Tridecanelethoxylate, Branched Wit 2-5 Eo	> 2000 mg/kg (Rat)		
Alpha-Octadecyl-Omega-Hydroxy-Polyglycoether	= 1900 mg/kg (Rat) = 2900 mg/kg (Rat)		

Skin corrosion/irritation

Results	Species	Method
non-irritant	Rabbit	-

Serious eye damage/eye irritation

Results	Species	Method
non-irritant	Rabbit	-

Sensitisation

No information available.

Germ Cell Mutagenicity

Results	Species	Method
No information available	-	-

Carcinogenicity

No information available.

Reproductive Toxicity

No information available.

STOT - single exposure

No information available.

STOT - repeated exposure

No information available.

Aspiration Hazard

No information available.

SECTION 12: Ecological information**12.1. Toxicity**

0% of the mixture consists of components(s) of unknown hazards to the aquatic environment

Product Information**Acute (short-term) algae toxicity**

EC50	No information available
EC0	No information available
IC50	No information available
IC0	No information available
ErC50	No information available
EbC50	No information available

Acute (short-term) fish toxicity**LC50**

180 - 250 mg/l (96 h)	Brachydanio rerio
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LC0

No information available

EC50 No information available
 EC0 No information available

Acute (short-term) aquatic invertebrate toxicity

EC50

> 100 mg/l (48 h)	Daphnia magna
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EC0 No information available

Chronic (long-term) algae toxicity

NOEC No information available
 LOEC No information available

Chronic (long-term) fish toxicity

NOEC No information available
 LOEC No information available

Chronic (long-term) aquatic invertebrate toxicity

NOEC No information available
 LOEC No information available

12.2. Persistence and degradability

Product Information

Biodegradation

82 % (168 h)	Degree of elimination	OECD 302B
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BOD No information available

ThCO₂ No information available

DOC No information available

12.3. Bioaccumulative potential

Product Information

Bioaccumulation (factor) No information available

12.4. Mobility in soil

No information available.

12.5. Results of PBT and vPvB assessment

This substance is not considered to be persistent, bioaccumulating nor toxic (PBT). This preparation contains no substance considered to be persistent, bio-accumulating nor toxic (PBT). This substance is not considered to be very persistent nor very bioaccumulating (vPvB). This preparation contains no substance considered to be very persistent nor very bio-accumulating (vPvB).

12.6. Other adverse effects

No information available

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Waste from residues/unused products	Disposal should be in accordance with applicable regional, national and local laws and regulations.
Contaminated packaging	Contaminated packages must be completely emptied and can be re-used following proper cleaning. Clean IBCs or drums at approved facility. Packing which cannot be properly cleaned must be disposed of. Handle contaminated packages in the same way as the substance itself.

SECTION 14: Transport information**ADR**

14.1. UN number	Not regulated
14.2. UN proper shipping name	Not regulated
14.3. Transport hazard class(es)	Not regulated
Labels	-
14.4. Packing group	Not regulated
Description	-
14.5. Environmental hazards	Not applicable
14.6. Special precautions for user	None
Classification code	-
Tunnel restriction code	-
Limited quantity (LQ)	-
ADR Hazard Id (Kemmler Number)	-
Note:	-

RID

14.1. UN number	Not regulated
14.2. UN proper shipping name	Not regulated
14.3. Transport hazard class(es)	Not regulated
Labels	-
14.4. Packing group	Not regulated
Description	-
14.5. Environmental hazards	Not applicable
14.6. Special precautions for user	None
Classification code	-
Limited quantity (LQ)	-
Note:	-

IMDG

14.1. UN number	Not regulated
14.2. UN proper shipping name	Not regulated
14.3. Transport hazard class(es)	Not regulated
Subsidiary hazard class	-
14.4. Packing group	Not regulated
Description	-
14.5. Environmental hazards	Not applicable
14.6. Special precautions for user	None
EmS-No	-
Limited quantity (LQ)	-
Note:	-
14.7. Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code	No information available

IATA

14.1. UN number	Not regulated
14.2. UN proper shipping name	Not regulated
14.3. Transport hazard class(es)	Not regulated
Subsidiary hazard class	-
14.4. Packing group	Not regulated

Description	-
14.5. Environmental hazards	Not applicable
14.6. Special precautions for user	None
ERG Code	-
Limited quantity (LQ)	-
Note:	-

SECTION 15: Regulatory information

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

National Regulations

See section 8 for national exposure control parameters

Germany

Water hazard class (WGK)	slightly hazardous to water (WGK 1)
Storage class	12

European Union

Take note of Directive 98/24/EC on the protection of the health and safety of workers from the risks related to chemical agents at work

International Inventories

All of the components in the product are on the following inventory lists: TSCA (United States), Europe (EINECS/ELINCS/NLP), South Korea (KECL), ENCS (Japan), China (IECSC), Philippines (PICCS), Australia (AICS).

15.2. Chemical safety assessment

For this substance a chemical safety assessment has not been carried out. Chemical safety assessments for substances in this mixture were not carried out.

SECTION 16: Other information

Full text of H-Statements referred to under sections 2 and 3

H301 - Toxic if swallowed
H311 - Toxic in contact with skin
H314 - Causes severe skin burns and eye damage
H317 - May cause an allergic skin reaction
H331 - Toxic if inhaled
H400 - Very toxic to aquatic life
H410 - Very toxic to aquatic life with long lasting effects
H412 - Harmful to aquatic life with long lasting effects

Emergency telephone number

Czech Republic	+420 228 882 830 (NCEC 24/7)
Denmark	+45 8988 2286 (NCEC 24/7)
Finland	+358 9 7479 0199 (NCEC 24/7)
France	+33 1 72 11 00 03 (NCEC 24/7)
Germany	+49 89 220 61012 (NCEC 24/7)***
Greece	+30 21 1198 3182 (NCEC 24/7)
Italy	+39 02 3604 2884 (NCEC 24/7)

Netherlands	+31 10 713 8195 (NCEC 24/7)
Norway	+47 2103 4452 (NCEC 24/7)
Poland	+48 22 307 3690 (NCEC 24/7)
Portugal	+351 30880 4750 (NCEC 24/7)
Spain	+34 91 114 2520 (NCEC 24/7)
Sweden	+46 8 566 42573 (NCEC 24/7)
Turkey	+90 212 375 5231 (NCEC 24/7)
Middle East	+973 1619 8321 (NCEC 24/7)
Middle East / Africa	+44 1235 239671 (NCEC 24/7)

Revision note See the red text with asterisks in this safety data sheet for the latest changes.

This material safety data sheet complies with the requirements of Regulation (EC) No. 1907/2006

End of Safety Data Sheet