SAFETY DATA SHEET
SILICONE ANTIFOAM

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

1.1. Product identifier

Product name: SILICONE ANTIFOAM
Product number: 11124
Synonyms; trade names:
ANTIFOAM MSA, ANTIFOAM DB-100, ANTIFOAM 544, ANTIFOAM 1500, ANTIFOAM 1520, SILICONE, 1510-US, ANTI SCHIUMA SI-TEO, XIAMETER ACP 3302, XIAMETER ACP 1500, XIAMETER ACP-1000 ANTIFOAM COMPOUND, XIAMETER ACP-1500 ANTIFOAM COMPOUND

REACH registration notes:
This product is not classified as hazardous, the information in this datasheet is given for guidance only. Substances contained in this product that are not classified as hazardous have been/will be registered for REACH at the appropriate time.

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

Identified uses: Antifoam

1.3. Details of the supplier of the safety data sheet

Supplier: Univar
Aquarius House
6 Mid Point Business Park
Bradford
BD3 7AY
+44 1274 267300
sds@univar.com
+44 1274 267306

1.4. Emergency telephone number

Emergency telephone: SGS - +32 (0)3 575 55 55 (24h)
Sds No.: 11124

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Classification (EC/1272/2008)
Physical hazards: Not Classified
Health hazards: Not Classified
Environmental hazards: Not Classified

Environmental: The product is not expected to be hazardous to the environment.

2.2. Label elements

Hazard statements: NC Not Classified

2.3. Other hazards
SILICONE ANTIFOAM

This substance is not classified as PBT or vPvB according to current EU criteria.

SECTION 3: Composition/information on ingredients

3.2. Mixtures

<table>
<thead>
<tr>
<th>AMORPHOUS SILICA</th>
<th>5 - 25</th>
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</thead>
<tbody>
<tr>
<td>CAS number: 7631-86-9</td>
<td>EC number: 231-545-4</td>
</tr>
<tr>
<td>REACH registration number: 01-2119379499-16-XXXX</td>
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Classification
Not Classified

Classification (67/548/EEC or 1999/45/EC)
-

The Full Text for all R-Phrases and Hazard Statements are Displayed in Section 16.

Composition comments
The data shown are in accordance with the latest EC Directives.

SECTION 4: First aid measures

4.1. Description of first aid measures

Inhalation
Move affected person to fresh air at once. Get medical attention if any discomfort continues.

Ingestion
Do not induce vomiting. Rinse mouth thoroughly with water. Give plenty of water to drink. Get medical attention if any discomfort continues.

Skin contact
Wash skin thoroughly with soap and water. Get medical attention if any discomfort continues.

Eye contact
Rinse immediately with plenty of water. Remove any contact lenses and open eyelids wide apart. Continue to rinse for at least 15 minutes. Get medical attention promptly if symptoms occur after washing.

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

Eye contact
May cause temporary eye irritation.

4.3. Indication of any immediate medical attention and special treatment needed

Notes for the doctor
No specific recommendations. If in doubt, get medical attention promptly.

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media
The product is not flammable. Extinguish with foam, carbon dioxide, dry powder or water fog.

5.2. Special hazards arising from the substance or mixture

Specific hazards
Toxic gases or vapours. Oxides of the following substances: Carbon.

5.3. Advice for firefighters

Protective actions during firefighting
Cool containers exposed to heat with water spray and remove them from the fire area if it can be done without risk.

Special protective equipment for firefighters
Use protective equipment appropriate for surrounding materials.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Personal precautions
Follow precautions for safe handling described in this safety data sheet. Avoid inhalation of vapours and contact with skin and eyes. Provide adequate ventilation.

6.2. Environmental precautions
SILICONE ANTIFOAM

Environmental precautions
Spillages or uncontrolled discharges into watercourses must be reported immediately to the Environmental Agency or other appropriate regulatory body.

6.3. Methods and material for containment and cleaning up
Methods for cleaning up
Stop leak if possible without risk. Absorb in vermiculite, dry sand or earth and place into containers. Flush contaminated area with plenty of water. Avoid the spillage or runoff entering drains, sewers or watercourses. In case of spills, beware of slippery floors and surfaces.

6.4. Reference to other sections
Reference to other sections
Wear protective clothing as described in Section 8 of this safety data sheet.

SECTION 7: Handling and storage

7.1. Precautions for safe handling
Usage precautions
Avoid spilling. Provide adequate ventilation. Avoid contact with skin and eyes.

7.2. Conditions for safe storage, including any incompatibilities
Storage precautions
Store in tightly-closed, original container in a dry, cool and well-ventilated place. Keep only in the original container. Store away from the following materials: Oxidising materials.

7.3. Specific end use(s)
Specific end use(s)
The identified uses for this product are detailed in Section 1.2.

SECTION 8: Exposure Controls/personal protection

8.1. Control parameters
Occupational exposure limits
AMORPHOUS SILICA
Long-term exposure limit (8-hour TWA): WEL 6 mg/m³
WEL = Workplace Exposure Limit

Ingredient comments
No exposure limits known for ingredient(s).

AMORPHOUS SILICA (CAS: 7631-86-9)

DNEL
Workers - Inhalation; Short term local effects: 4 mg/m³
Workers - Inhalation; Long term local effects: 4 mg/m³

8.2. Exposure controls
Protective equipment
Provide adequate ventilation.

Appropriate engineering controls

Eye/face protection
Eyewear complying with an approved standard should be worn if a risk assessment indicates eye contact is possible. Unless the assessment indicates a higher degree of protection is required, the following protection should be worn: Tight-fitting safety glasses. EN 166

Hand protection
Chemical-resistant, impervious gloves complying with an approved standard should be worn if a risk assessment indicates skin contact is possible. The most suitable glove should be chosen in consultation with the glove supplier/manufacturer, who can provide information about the breakthrough time of the glove material. EN 374
SILICONE ANTIFOAM

Other skin and body protection
Wear suitable protective clothing as protection against splashing or contamination.

Hygiene measures
Wash hands at the end of each work shift and before eating, smoking and using the toilet. When using do not eat, drink or smoke.

Respiratory protection
If ventilation is inadequate, suitable respiratory protection must be worn.

SECTION 9: Physical and Chemical Properties

9.1. Information on basic physical and chemical properties
Appearance
Liquid.

Colour
White/off-white.

Odour
Odourless.

Initial boiling point and range
> 35°C

Flash point
> 100°C CC (Closed cup).

Relative density
>1.0 @ °C

Viscosity
>1200 cSt @ 25°C

9.2. Other information
Other information
Not determined.

SECTION 10: Stability and reactivity

10.1. Reactivity
Reactivity
There are no known reactivity hazards associated with this product.

10.2. Chemical stability
Stability
Stable at normal ambient temperatures.

10.3. Possibility of hazardous reactions
Possibility of hazardous reactions
Not determined.

10.4. Conditions to avoid
Conditions to avoid
Avoid excessive heat for prolonged periods of time.

10.5. Incompatible materials
Materials to avoid
Strong oxidising agents.

10.6. Hazardous decomposition products
Hazardous decomposition products
Oxides of carbon. Thermal decomposition or combustion may liberate carbon oxides and other toxic gases or vapours.

SECTION 11: Toxicological information

11.1. Information on toxicological effects
Skin corrosion/irritation
Animal data
No information available.

Serious eye damage/irritation
Serious eye damage/irritation
No information available.

Respiratory sensitisation
SILICONE ANTIFOAM

Respiratory sensitisation  No information available.
Skin sensitisation  No information available.
Skin sensitisation  No information available.
Germ cell mutagenicity  No information available.
Genotoxicity - in vitro  No information available.
Carcinogenicity  No information available.
Carcinogenicity  No information available.
Reproductive toxicity  No information available.
Reproductive toxicity - fertility  No information available.
Specific target organ toxicity - single exposure  No information available.
STOT - single exposure  No information available.
Specific target organ toxicity - repeated exposure  No information available.
STOT - repeated exposure  No information available.
Aspiration hazard  Not available.
Inhalation  Gas or vapour in high concentrations may irritate the respiratory system. Symptoms following overexposure may include the following: Coughing.
Ingestion  No harmful effects expected from quantities likely to be ingested by accident.
Skin contact  Skin irritation should not occur when used as recommended.
Eye contact  May cause temporary eye irritation.

Toxicological information on ingredients.

AMORPHOUS SILICA

Acute toxicity - oral
Notes (oral LD₅₀)  LD₅₀ >5000 mg/kg, Oral, Rat

Acute toxicity - dermal
Notes (dermal LD₅₀)  LD₅₀ >6000 mg/kg, Dermal, Rabbit

Acute toxicity - inhalation
Notes (inhalation LC₅₀)  LC₅₀ >140->2000 mg/m³, Inhalation, Rat

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

Serious eye damage/irritation
Based on available data the classification criteria are not met.

Respiratory sensitisation
Based on available data the classification criteria are not met.

Skłin sensitisation
Based on available data the classification criteria are not met.
SILICONE ANTIFOAM

Germ cell mutagenicity
Genotoxicity - in vitro Based on available data the classification criteria are not met.

Carcinogenicity
Carcinogenicity Based on available data the classification criteria are not met.

Reproductive toxicity
Reproductive toxicity - fertility Based on available data the classification criteria are not met.

Specific target organ toxicity - single exposure
STOT - single exposure Data lacking.

Specific target organ toxicity - repeated exposure
STOT - repeated exposure Data lacking.

Aspiration hazard
Aspiration hazard Based on available data the classification criteria are not met.

Inhalation Dust in high concentrations may irritate the respiratory system.
Ingestion May cause discomfort if swallowed.
Skin contact Prolonged skin contact may cause temporary irritation.
Eye contact May cause temporary eye irritation.

SECTION 12: Ecological Information

Ecotoxicity The product components are not classified as environmentally hazardous. However, large or frequent spills may have hazardous effects on the environment.

Ecological information on ingredients.

AMORPHOUS SILICA

Ecotoxicity The product components are not classified as environmentally hazardous. However, this does not exclude the possibility that large or frequent spills can have a harmful or damaging effect on the environment.

12.1. Toxicity
Toxicity Not considered toxic to fish.

Ecological information on ingredients.

AMORPHOUS SILICA

Toxicity Not considered toxic to fish.
Acute toxicity - fish LC₅₀, 96 hours: 5000 mg/l, Brachydanio rerio (Zebra Fish)
Acute toxicity - aquatic invertebrates EC₅₀, 48 hours: 7600 mg/l, Daphnia magna
Acute toxicity - aquatic plants EC₅₀, 72 hours: 440 mg/l, Selenastrum capricornutum

12.2. Persistence and degradability
SILICONE ANTIFOAM

Persistence and degradability  The product is biodegradable.

Ecological information on ingredients.

AMORPHOUS SILICA

Persistence and degradability  There are no data on the degradability of this product.

12.3. Bioaccumulative potential

Bioaccumulative potential  No data available on bioaccumulation.

Ecological information on ingredients.

AMORPHOUS SILICA

Bioaccumulative potential  No data available on bioaccumulation.

12.4. Mobility in soil

Mobility  Not determined.

Ecological information on ingredients.

AMORPHOUS SILICA

Mobility  The product is insoluble in water.

12.5. Results of PBT and vPvB assessment

Results of PBT and vPvB  This substance is not classified as PBT or vPvB according to current EU criteria.

Ecological information on ingredients.

AMORPHOUS SILICA

Results of PBT and vPvB  This substance is not classified as PBT or vPvB according to current EU criteria.

12.6. Other adverse effects

Other adverse effects  Not determined.

Ecological information on ingredients.

AMORPHOUS SILICA

Other adverse effects  None known.

SECTION 13: Disposal considerations

13.1. Waste treatment methods

General information  Do not puncture or incinerate, even when empty.

Disposal methods  Dispose of waste to licensed waste disposal site in accordance with the requirements of the local Waste Disposal Authority.

SECTION 14: Transport information

14.1. UN number

No information required.
SILICONE ANTIFOAM

14.2. UN proper shipping name
No information required.

14.3. Transport hazard class(es)
No information required.

14.4. Packing group
No information required.

14.5. Environmental hazards
Environmentally hazardous substance/marine pollutant
No.

14.6. Special precautions for user
No information required.

14.7. Transport in bulk according to Annex II of MARPOL and the IBC Code
Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code
No information required.

SECTION 15: Regulatory information

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

15.2. Chemical safety assessment
No chemical safety assessment has been carried out.

SECTION 16: Other information
SILICONE ANTIFOAM

Abbreviations and acronyms used in the safety data sheet

ATE: Acute Toxicity Estimate.
ADR: European Agreement concerning the International Carriage of Dangerous Goods by Road.
ADN: European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways.
CAS: Chemical Abstracts Service.
DNEL: Derived No Effect Level.
IATA: International Air Transport Association.
IMDG: International Maritime Dangerous Goods.
Kow: Octanol-water partition coefficient.
LC₅₀: Lethal Concentration to 50% of a test population.
LD₅₀: Lethal Dose to 50% of a test population (Median Lethal Dose).
PBT: Persistent, Bioaccumulative and Toxic substance.
PNEC: Predicted No Effect Concentration.
RID: European Agreement concerning the International Carriage of Dangerous Goods by Rail.
vPvB: Very Persistent and Very Bioaccumulative.
IARC: International Agency for Research on Cancer.
cATpE: Converted Acute Toxicity Point Estimate.
BCF: Bioconcentration Factor.
BOD: Biochemical Oxygen Demand.
EC₅₀: 50% of maximal Effective Concentration.
LOAEC: Lowest Observed Adverse Effect Concentration.
LOAEL: Lowest Observed Adverse Effect Level.
NOAEC: No Observed Adverse Effect Concentration.
NOAEL: No Observed Adverse Effect Level.
NOEC: No Observed Effect Concentration.
LOEC: Lowest Observed Effect Concentration.
DMEL: Derived Minimal Effect Level.

Revision comments
NOTE: Lines within the margin indicate significant changes from the previous revision.

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