

Safety Data Sheet in accordance with Regulation (EU) No.453/2010

Defoamer Antifoam

Page 1(9)

Version : 1 - 0 / EU

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

1.1. Product identifier

Trade name

Defoamer Antifoam

Material number: B150, B238

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

Relevant identified uses of the substance or mixture: Water processing defoaming

Uses advised against: Uses other than those identified are not recommended

1.3. Details of the supplier of the safety data sheet

William Clements (Chemicals) Ltd
The Old Transport Museum
Witham Street
Belfast
BT4 1HP
Tel: +44 (0) 28 9073 8395
Email: info@clementschemicals.com

1.4. Emergency telephone number

+44 28 9073 8395 (8 am - 5 pm Mon - Fri UK)

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Classification according EC Directive (67/548/EEC or 1999/45/EC, as amended)

The product is not classified as dangerous according to EC directives/the relevant national laws.

2.2. Label elements

Labelling in accordance with EC-Directives (67/548/EEC or 1999/45/EC, as amended)

The product does not require a hazard warning label in accordance with EC Directives

2.3. Other hazards

No additional hazards are known except those derived from the labelling.

SECTION 3: Composition/information on ingredients

3.2. Mixtures

Safety Data Sheet in accordance with Regulation (EU) No.453/2010

Defoamer Antifoam

Page 2(9)

Version : 1 - 0 / EU

Revision Date: 20.09.2013
Date of printing : 23.10.2013

Chemical characterization
silicone foam control agent

SECTION 4: First aid measures

4.1. Description of first aid measures

General information

Seek medical assistance if discomfort continues

After inhalation

Immediately seek fresh air after inhaling of dust, vapour or aerosol.

After contact with skin

In case of contact with skin wash off immediately with plenty of water

After contact with eyes

In case of contact with eyes rinse thoroughly with water

In case of irritation consult an oculist

After ingestion

When swallowed accidentally, drink sufficient amounts of water and seek medical aid.

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

Symptoms

No symptoms known currently.

Hazards

No hazards known at this time.

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

Treatment

Treat symptomatically.

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media

water spray jet
dry powder
carbon dioxide
alcohol-resistant foam

Extinguishing media that must not be used for safety reasons

Full water jet

5.2. Special hazards arising from the substance or mixture

In the event of fire the following can be released:

carbon oxides
Silicon compounds

5.3. Advice for firefighters

Safety Data Sheet in accordance with Regulation (EU) No.453/2010

Defoamer Antifoam

Page 3(9)

Version : 1 - 0 / EU

Revision Date: 20.09.2013

Date of printing : 23.10.2013

Special protective equipment for firefighting

Use self-contained breathing apparatus

Further information

Wear protective equipment.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Wear suitable personal protective equipment.

6.2. Environmental precautions

Do not allow entry to drains, water courses or soil

6.3. Methods and material for containment and cleaning up

Take up with absorbent material (eg sand, kieselguhr, universal binder)
When picked up, treat material as prescribed under heading "Disposal".

6.4. Reference to other sections

Additional information

Information regarding Safe handling, see chapter 7.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Advice on safe handling

When used and handled appropriately no special measures are needed

Hygiene measures

Wash hands before breaks and after work.

Use barrier skin cream.

Remove soiled or soaked clothing immediately and clean thoroughly before using again.

Advice on protection against fire and explosion

Observe the general rules of industrial fire protection

7.2. Conditions for safe storage, including any incompatibilities

Further information on storage conditions

Keep container tightly closed in a cool, well-ventilated place, open and handle carefully.

Keep away from sources of ignition.

7.3. Specific end use(s)

No further recommendations.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

Safety Data Sheet in accordance with Regulation (EU) No.453/2010

Defoamer Antifoam

Page 4(9)

Version : 1 - 0 / EU

Revision Date: 20.09.2013

Date of printing : 23.10.2013

Exposure limit values

Exposure limit values are not available.

DNEL/DMEL values

DNEL/DMEL values are not available.

PNEC values

PNEC values are not available.

8.2. Exposure controls

General protective measures

Observe the usual precautions for handling chemicals.

Respiratory protection : Protection necessary if aerosols or vapors should develop.
mask, comb.gas/particle filter

Hand protection : Chemical resistant gloves
Observe the information of the glove manufacturers on permeability and breakthrough times and other workplace requirements

Eye protection : safety glasses

Body protection : working clothes

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state : liquid

Form : Liquid, slightly viscous

Particle size : Not applicable

Colour : white to light yellow

Odour : none

Odour threshold : not tested.

pH value : 7
Determined in the undiluted form

Solidifying temperature : -5 °C

Boiling point : 100 °C

Sublimation temperature : not applicable

Flash point : not tested.

Evaporation rate : not tested.

Combustion number : Not applicable

Minimum ignition energy : not tested.

Vapour pressure : not tested.

Relative Density: 0,994

Safety Data Sheet in accordance with Regulation (EU) No.453/2010

Defoamer Antifoam

Page 5(9)

Version : 1 - 0 / EU

Revision Date: 20.09.2013

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Solubility in water :	miscible in all proportions
Octanol/water partition coefficient (log Pow) :	not tested.
Ignition temperature :	not tested.
Thermal decomposition :	not tested.
Viscosity (dynamic) :	approx. 700 mPa.s
Oxidizing properties :	not tested.

9.2. Other information

Density :	not tested.
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SECTION 10: Stability and reactivity

10.1. Reactivity

See section 10.3. "Possibility of hazardous reactions"

10.2. Chemical stability

Under normal conditions the product is stable.

10.3. Possibility of hazardous reactions

When handled and stored appropriately no dangerous reactions are known
Stable.

10.4. Conditions to avoid

None known.

10.5. Incompatible materials

not known

10.6. Hazardous decomposition products

When handled and stored appropriately, no dangerous decomposition products are known

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Information related to the product itself:

Acute oral toxicity :	LD50 > 2.000 mg/kg (rat) Method : OECD 420
Acute dermal toxicity :	not tested.
Acute inhalation toxicity :	not tested.
Irritant effect on skin :	non-irritant Directive 1999/45/EC

Safety Data Sheet in accordance with Regulation (EU) No.453/2010

Defoamer Antifoam

Page 6(9)

Version : 1 - 0 / EU

Revision Date: 20.09.2013

Date of printing : 23.10.2013

Irritant effect on eyes :	non-irritant Directive 1999/45/EC
Sensitization :	not tested.
Repeated dose toxicity:	not tested.
Genetic toxicity in vitro :	not tested.
Assessment of mutagenicity :	not tested.
Assessment of carcinogenicity :	not tested.
Assessment of toxicity to reproduction :	not tested.

SECTION 12: Ecological information

12.1. Toxicity

Information related to the product itself:

Daphnia toxicity :	EC50 > 100 mg/l (48 h, Daphnia magna) Method : OECD 202
Algae toxicity :	not tested.
Bacteria toxicity :	EC50 48.350 mg/l (activated sludge) Method : OECD 209

12.2. Persistence and degradability

Information related to the product itself:

Biodegradability :	96 % (28 d, DOC) inherently biodegradable Method : OECD 302 B
Chemical oxygen demand (COD) :	76 mg/g
Biochemical oxygen demand (BOD5) :	< 100 mg/g

12.3. Bioaccumulative potential

Information related to the product itself:

Bioaccumulation:	not tested.
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12.4. Mobility in soil

Information related to the product itself:

Behaviour in environmental compartments	No known data.
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Safety Data Sheet in accordance with Regulation (EU) No.453/2010

Defoamer Antifoam

Page 7(9)

Version : 1 - 0 / EU

Revision Date: 20.09.2013

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12.5. Results of PBT and vPvB assessment

Information related to the product itself:

No data available.

12.6. Other adverse effects

Information related to the product itself:

Additional ecotoxicological remarks

Product does not contain any organic bound Halogens which could lead to AOX-values.

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Product

Product should be taken to a suitable and authorized waste disposal site in accordance with relevant regulations and if necessary after consultation with the waste disposal operator and/or the competent Authorities

Uncleaned packaging

Packaging that cannot be cleaned should be disposed of as product waste

SECTION 14: Transport information

Section 14.1. to 14.5.

ADR	not restricted
ADN	not restricted
RID	not restricted
IATA	not restricted
IMDG	not restricted

14.6. Special precautions for user

See sections 6 to 8 of this Safety Data Sheet.

14.7. Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code (International Bulk Chemicals Code)

No transport as bulk according IBC - Code.

SECTION 15: Regulatory information

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

Other regulations

Apart from the data/regulations specified in this chapter, no further information is available concerning safety, health and environmental protection.

Safety Data Sheet in accordance with Regulation (EU) No.453/2010

Defoamer Antifoam

Page 8(9)

Version : 1 - 0 / EU

Revision Date: 20.09.2013

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15.2. Chemical safety assessment

No Chemical Safety Assessment (CSA) is yet available for the substance, or for the component substances, contained in this product.

SECTION 16: Other information

Product should be stored, handled and used in accordance with good industrial hygiene practices and in conformity with legal regulations. The information contained herein is based on the present state of our knowledge and is intended to describe our products from the point of view of safety requirements. It should therefore not be construed as guaranteeing specific properties.

Legend

ADN	European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways
ADR	European Agreement concerning the International Carriage of Dangerous Goods by Road
AOX	Adsorbable organic bound halogens
CAS	Chemical Abstracts Service
DMEL	Derived Minimal Effect Level (genotoxic substances)
DNEL	Derived No Effect Level
EC50	Half maximal effective concentration
GHS	Globally Harmonized System
IATA	International Air Transport Association
IMDG	International Maritime Dangerous Goods
LC50	Lethal Concentration 50%
LD50	Lethal Dose 50%
MARPOL	International Convention for the Prevention of Pollution From Ships
NOAEC	No Observed Adverse Effect Concentration
NOAEL	No Observed Adverse Effect Level
NOEC	Non Observed Effect Concentration
OEL	Occupational Exposure Limit
PBT	Persistent, Bioaccumulative, Toxic
PEC	Predicted Environmental Concentration
PNEC	Predicted No Effect Concentration
REACH	Registration, Evaluation, Authorisation and Restriction of Chemicals
RID	International Rule for Transport of Dangerous Substances by Railway
SVHC	Substances of Very High Concern
vPvB	very Persistent and very Bioaccumulative

This information corresponds to the present state of our knowledge and is intended as a general description of our products and their possible applications. Archroma makes no warranties, express or implied, as to the information's accuracy, adequacy, sufficiency or freedom from defect and assumes no liability in connection with any use of this information. Any user of this product is responsible for determining the suitability of Archroma's products for its particular application. Nothing included in this information waives any of Archroma's General Terms and Conditions of Sale, which control unless it agrees otherwise in writing. Any existing intellectual/industrial property rights must be observed. Due to possible changes in our products and applicable national and international regulations and laws, the status of our products could change. Material Safety Data Sheets providing safety precautions, that should be observed when handling or storing Archroma products, are available upon request and are

Safety Data Sheet in accordance with Regulation (EU) No.453/2010

Defoamer Antifoam

Page 9(9)

Version : 1 - 0 / EU

Revision Date: 20.09.2013

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provided in compliance with applicable law. You should obtain and review the applicable Material Safety Data Sheet information before handling any of these products. For additional information, please contact Archroma.