

ARISTOFLEX AVC

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Substance key: SXR114437

Revision Date: 08.09.2016

Version : 2 - 25 / EU

Date of printing : 31.10.2016

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

1.1. Product identifier

Trade name

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Material number: 138240

Chemical nature: A polymeric sulphonic acid , partially neutralized

INCI name: Ammonium Acryloyldimethyltaurate/VP Copolymer

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

Relevant identified uses of the substance or mixture

Industry sector : Personal Care

Type of use : Thickener for emulsions

1.3. Details of the supplier of the safety data sheet

Identification of the company

Clariant Produkte (Deutschland) GmbH

65926 Frankfurt am Main

Telephone no. : +49 69 305 18000

Information about the substance/mixture

BU Industrial & Consumer Specialties

Product Stewardship

e-mail: SDS.Europe@clariant.com

1.4. Emergency telephone number

00800-5121 5121 (24 h)

SECTION 2: Hazards identification

2.1 Classification of the substance or mixture

Classification (REGULATION (EC) No 1272/2008)

Not a hazardous substance or mixture.

2.2 Label elements

Labelling (REGULATION (EC) No 1272/2008)

Not a hazardous substance or mixture.

Additional Labelling:

EUH210 Safety data sheet available on request.

2.3 Other hazards

The substance is not identified as a PBT or as a vPvB substance.

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.

Risk of dust explosion.

Does not require a hazard warning label, but the normal safety precautions for handling

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chemicals must be observed.

SECTION 3: Composition/information on ingredients

3.1 Substances

Substance name : A polymeric sulphonic acid , partially neutralized

Hazardous components

Chemical name	CAS-No. EC-No.	Concentration (% w/w)
tert-Butyl alcohol	75-65-0 200-889-7	$\geq 1 - < 3$

SECTION 4: First aid measures

4.1 Description of first aid measures

General advice : Remove/Take off immediately all contaminated clothing.

If inhaled : Move the victim to fresh air.

In case of skin contact : In case of contact, immediately flush skin with soap and plenty of water.

In case of eye contact : Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes.
Consult a physician.

4.2 Most important symptoms and effects, both acute and delayed

Symptoms : Treat symptomatically.

Risks : No additional risks are known.

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
Foam

Unsuitable extinguishing media : Dry powder
Carbon dioxide (CO₂)
High volume water jet

5.2 Special hazards arising from the substance or mixture

Specific hazards during : In case of fire hazardous decomposition products may be

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firefighting produced such as:
Nitrogen oxides (NOx)
Sulphur dioxide (SO2)
Ammonia
Risk of dust explosion in fine crystalline powder form.

5.3 Advice for firefighters

Special protective equipment for firefighters : Self-contained breathing apparatus

Further information : Fire residues and contaminated fire extinguishing water must be disposed of in accordance with local regulations.

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

Personal precautions : Avoid dust formation.
Keep away sources of ignition.
Wear suitable protective equipment.

6.2 Environmental precautions

Environmental precautions : Do not allow to enter drains or waterways

6.3 Methods and material for containment and cleaning up

Methods for cleaning up : Pick up when dry.
Forms slippery/greasy layers with water.

Treat recovered material as described in the section "Disposal considerations".

Rinse with water.

6.4 Reference to other sections

For personal protection see section 8., For disposal considerations see section 13.

SECTION 7: Handling and storage

7.1 Precautions for safe handling

Advice on safe handling : Avoid dust formation.
Avoid dust accumulation in enclosed space.
Provide appropriate exhaust ventilation at places where dust is formed.
Take measures to prevent the build up of electrostatic charge.

Advice on protection against fire and explosion : Observe the general rules of industrial fire protection Not combustible. Risk of dust explosion.

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Hygiene measures : Observe the usual precautions for handling chemicals.

Dust explosion class : ST1 Capable of dust explosion

7.2 Conditions for safe storage, including any incompatibilities

Further information on storage conditions : Keep container tightly closed. Keep container dry. Keep away from heat. Protect from moisture. hygroscopic

Advice on common storage : Do not store with alkalies

7.3 Specific end use(s)

Specific use(s) : No further recommendations.

SECTION 8: Exposure controls/personal protection

8.1 Control parameters

8.2 Exposure controls

Personal protective equipment

Eye protection : Tightly fitting safety goggles

Hand protection
Remarks : Protective gloves

Skin and body protection : Wear suitable protective clothing.

Respiratory protection : Effective dust mask

Protective measures : Do not breathe dust.
Avoid contact with eyes.

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

Appearance : powder

Colour : white

Odour : characteristic

Odour Threshold : not tested.

pH : approx. 4 - 6
Concentration: 1 g/l (20 °C)
Method: DIN 53996

Melting point : Decomposes before melting.

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Boiling point	:	not determined
Flash point	:	> 135 °C Data relate to solvent
Evaporation rate	:	Not applicable
Upper explosion limit	:	Not applicable
Lower explosion limit	:	Not applicable
Combustion number :		BZ3 Local combustion without spreading
Vapour pressure	:	Not applicable
Relative vapour density	:	Not applicable
Relative density	:	not tested.
Density	:	not tested.
Bulk density	:	230 kg/m ³ Method: ISO 697
Solubility(ies)		
Water solubility	:	soluble, gel formation (20 °C)
Solubility in other solvents	:	dispersible Solvent: fat
Partition coefficient: n-octanol/water	:	not determined
Auto-ignition temperature	:	not tested.
Decomposition temperature	:	250 °C
Viscosity		
Viscosity, dynamic	:	Not applicable
Explosive properties	:	Not explosive Method: Expert judgement
Oxidizing properties	:	The substance or mixture is not classified as oxidizing. Method: Expert judgement

9.2 Other information

Impact sensitivity	:	Not impact sensitive.
Surface tension	:	Not applicable
Sublimation point	:	not determined

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Molecular weight	:	> 10.000 g/mol
Dust explosion class	:	ST1 Capable of dust explosion
Metal corrosion rate	:	< 6,25 mm/a Not corrosive to metals
Minimum ignition energy	:	100 - 300 mJ (60 - 65 °C)
Particle size	:	not tested.

SECTION 10: Stability and reactivity

10.1 Reactivity

See section 10.3. "Possibility of hazardous reactions"

10.2 Chemical stability

Stable under normal conditions.
hygroscopic

10.3 Possibility of hazardous reactions

Hazardous reactions : Contact with strong bases liberates ammonia.

Stable

10.4 Conditions to avoid

Conditions to avoid : Keep away from heat.

10.5 Incompatible materials

Materials to avoid : 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

Acute toxicity

Product:

Acute oral toxicity : LD50 (Rat): > 2.000 mg/kg
Method: OECD Test Guideline 401

Acute inhalation toxicity : Acute toxicity estimate: > 5 mg/l
Exposure time: 4 h
Test atmosphere: dust/mist
Method: Calculation method

Acute dermal toxicity : Remarks: not tested.

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Components:

tert-Butyl alcohol:

Acute oral toxicity : LD50 (Rat): 3.500 mg/kg

Skin corrosion/irritation

Product:

Species: Rabbit

Method: OECD Test Guideline 404

Result: No skin irritation

Serious eye damage/eye irritation

Product:

Species: rabbit eye

Method: OECD Test Guideline 405

Result: No eye irritation

Respiratory or skin sensitisation

Product:

Species: Guinea pig

Method: OECD Test Guideline 406

Result: non-sensitizing

Germ cell mutagenicity

Product:

Genotoxicity in vitro : Test Type: Bacterial reverse mutation assay
Species: Salmonella typhimurium
Method: OECD Test Guideline 471
Result: negative

Germ cell mutagenicity-
Assessment : Not mutagenic in Ames Test

Carcinogenicity

Product:

Remarks: not tested.

Carcinogenicity -
Assessment : No information available.

Reproductive toxicity

Product:

Effects on fertility :
Remarks: not tested.

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Effects on foetal development : Remarks: not tested.

Reproductive toxicity - Assessment : No information available.

No information available.

Repeated dose toxicity

Product:

Remarks: not tested.

Further information

Product:

Remarks: By analogy with a product of similar composition

SECTION 12: Ecological information

12.1 Toxicity

Product:

Toxicity to fish : LC50 (Danio rerio (zebra fish)): > 1.000 mg/l
Exposure time: 96 h
Method: OECD Test Guideline 203

Toxicity to daphnia and other aquatic invertebrates : Remarks: not tested.

Toxicity to algae : Remarks: not tested.

Toxicity to fish (Chronic toxicity) : Remarks: not tested.

Toxicity to daphnia and other aquatic invertebrates (Chronic toxicity) : Remarks: not tested.

Toxicity to bacteria : EC50 (activated sludge): > 3.200 mg/l
Method: OECD Test Guideline 209

Toxicity to soil dwelling organisms : Remarks: not tested.

Plant toxicity : Remarks: not tested.

Sediment toxicity : Remarks: not tested.

Toxicity to terrestrial organisms : Remarks: not tested.

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12.2 Persistence and degradability

Product:

Biodegradability : Result: Not readily biodegradable.
Biodegradation: 7 %
Exposure time: 28 d
Method: OECD Test Guideline 301B

Biochemical Oxygen Demand (BOD) : Remarks: not available

Chemical Oxygen Demand (COD) : Remarks: not available

Dissolved organic carbon (DOC) : Remarks: not available

Physico-chemical removability : Remarks: not tested.

Photodegradation : Remarks: not tested.

12.3 Bioaccumulative potential

Product:

Bioaccumulation : Remarks: not tested.

12.4 Mobility in soil

Product:

Distribution among environmental compartments : Remarks: not tested.

12.5 Results of PBT and vPvB assessment

Product:

Assessment : The substance is not identified as a PBT or as a vPvB substance..

: 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..

12.6 Other adverse effects

Product:

Environmental fate and pathways : no data available

Additional ecological information : By analogy with a product of similar composition

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SECTION 13: Disposal considerations

13.1 Waste treatment methods

- Product : In accordance with local authority regulations, take to special waste incineration plant or underground disposal site
- Contaminated 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

- Volatile organic compounds : Directive 1999/13/EC on the limitation of emissions of volatile organic compounds
Volatile organic compounds (VOC) content: 4 %
- Other regulations : VDI 2263 "Dust fires and explosions; Danger, Evaluation, Protection measures"

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.

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SECTION 16: Other information

Full text of other abbreviations

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; AICS - Australian Inventory of Chemical Substances; ASTM - American Society for the Testing of Materials; bw - Body weight; CLP - Classification Labelling Packaging Regulation; Regulation (EC) No 1272/2008; CMR - Carcinogen, Mutagen or Reproductive Toxicant; DIN - Standard of the German Institute for Standardisation; DSL - Domestic Substances List (Canada); ECHA - European Chemicals Agency; EC-Number - European Community number; ECx - Concentration associated with x% response; ELx - Loading rate associated with x% response; EmS - Emergency Schedule; ENCS - Existing and New Chemical Substances (Japan); ErCx - Concentration associated with x% growth rate response; GHS - Globally Harmonized System; GLP - Good Laboratory Practice; IARC - International Agency for Research on Cancer; IATA - International Air Transport Association; IBC - International Code for the Construction and Equipment of Ships carrying Dangerous Chemicals in Bulk; IC50 - Half maximal inhibitory concentration; ICAO - International Civil Aviation Organization; IECSC - Inventory of Existing Chemical Substances in China; IMDG - International Maritime Dangerous Goods; IMO - International Maritime Organization; ISHL - Industrial Safety and Health Law (Japan); ISO - International Organisation for Standardization; KECI - Korea Existing Chemicals Inventory; LC50 - Lethal Concentration to 50 % of a test population; LD50 - Lethal Dose to 50% of a test population (Median Lethal Dose); MARPOL - International Convention for the Prevention of Pollution from Ships; n.o.s. - Not Otherwise Specified; NO(A)EC - No Observed (Adverse) Effect Concentration; NO(A)EL - No Observed (Adverse) Effect Level; NOELR - No Observable Effect Loading Rate; NZIoC - New Zealand Inventory of Chemicals; OECD - Organization for Economic Co-operation and Development; OPPTS - Office of Chemical Safety and Pollution Prevention; PBT - Persistent, Bioaccumulative and Toxic substance; PICCS - Philippines Inventory of Chemicals and Chemical Substances; (Q)SAR - (Quantitative) Structure Activity Relationship; REACH - Regulation (EC) No 1907/2006 of the European Parliament and of the Council concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals; RID - Regulations concerning the International Carriage of Dangerous Goods by Rail; SADT - Self-Accelerating Decomposition Temperature; SDS - Safety Data Sheet; TCSI - Taiwan Chemical Substance Inventory; TRGS - Technical Rule for Hazardous Substances; TSCA - Toxic Substances Control Act (United States); UN - United Nations; vPvB - Very Persistent and Very Bioaccumulative

Further information

This information corresponds to the present state of our knowledge and is intended as a general description of our products and their possible applications. Clariant 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 Clariant's products for its particular application. Nothing included in this information waives any of Clariant'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 Clariant products, are available upon request and are 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 Clariant.

SAFETY DATA SHEET
according to Regulation (EC) No. 1907/2006



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