

## ARISTOFLEX AVC

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## SECTION 1. IDENTIFICATION

<b>Identification of the company:</b>	Clariant Corporation 4000 Monroe Road Charlotte, NC, 28205 Telephone No.: +1 704-331-7000
<b>Information of the substance/preparation:</b>	Product Safety 1-704-331-7710
<b>Emergency tel. number:</b>	+1 800-424-9300 CHEMTREC

<b>Trade name:</b>	<b>ARISTOFLEX AVC</b>
<b>Material number:</b>	138240
<b>Synonyms:</b>	Product Has No Synonyms
<b>Primary product use:</b>	Thickener for emulsions
<b>Chemical family:</b>	A polymeric sulphonic acid , partially neutralized

## SECTION 2. HAZARDS IDENTIFICATION

**GHS Classification**

Combustible dust :

**GHS Label element**

Signal word : Warning

Hazard statements : May form combustible dust concentrations in air

Precautionary statements : **Prevention:**  
P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.  
P243 Take precautionary measures against static discharge.  
P233 Keep container tightly closed.

**Other hazards**

None known.

## SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

**Hazardous components**

Chemical Name	CAS-No.	Concentration (%)
Product	Not Assigned	100
2-Methylpropan-2-ol	75-65-0	< 4

## SECTION 4. FIRST AID MEASURES

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General advice	: Remove/Take off immediately all contaminated clothing.
If inhaled	: Move the victim to fresh air. Give oxygen or artificial respiration if needed. Get immediate medical advice/ attention. Never give anything by mouth to an unconscious person.
In case of skin contact	: Wash thoroughly with soap and water for 15 minutes. If skin irritation occurs, seek medical attention.
In case of eye contact	: Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Get medical attention immediately if irritation develops and persists.
If swallowed	: IF SWALLOWED: Immediately call a POISON CENTER or doctor/ physician.
Most important symptoms and effects, both acute and delayed	: The possible symptoms known are those derived from the labelling (see section 2). No additional symptoms are known.
Notes to physician	: None known.

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**SECTION 5. FIREFIGHTING MEASURES**

Suitable extinguishing media	: Water spray jet Foam
Unsuitable extinguishing media	: Dry powder Carbon dioxide (CO <sub>2</sub> ) High volume water jet
Specific hazards during firefighting	: In case of fire hazardous decomposition products may be produced such as: Nitrogen oxides (NO <sub>x</sub> ) Sulphur dioxide (SO <sub>2</sub> ) Ammonia  Emits toxic and corrosive fumes under fire conditions. Risk of dust explosion in fine crystalline powder form.
Further information	: Wear positive pressure self-contained breathing apparatus (SCBA) and full protective equipment.
Special protective equipment for firefighters	: Self-contained breathing apparatus

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**SECTION 6. ACCIDENTAL RELEASE MEASURES**

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- Personal precautions, protective equipment and emergency procedures : Avoid dust formation.  
Keep away sources of ignition.  
Wear suitable protective equipment.  
Wearing appropriate personal protective equipment, contain spill, collect onto inert absorbent, and place in a suitable container.
- Environmental precautions : Do not allow to enter drains or waterways
- Methods and materials for containment and 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.

**SECTION 7. HANDLING AND STORAGE**

- Advice on protection against fire and explosion : Observe the general rules of industrial fire protection Not combustible. Risk of dust explosion.
- Advice on safe handling : Avoid dust formation.  
Routine housekeeping should be instituted to ensure that dusts do not accumulate on surfaces.  
Take measures to prevent the build up of electrostatic charge.  
Store in a dry place.
- Technical measures/Precautions : Store in original container.  
Keep container closed.
- Materials to avoid : Do not store with alkalies

**SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION****Components with workplace control parameters**

Components	CAS-No.	Value type (Form of exposure)	Control parameters / Permissible concentration	Basis
2-Methylpropan-2-ol	75-65-0	TWA	100 ppm	ACGIH
	Further information: Central Nervous System impairment, Not classifiable as a human carcinogen			
		TWA	100 ppm 300 mg/m <sup>3</sup>	NIOSH REL
		ST	150 ppm 450 mg/m <sup>3</sup>	NIOSH REL
		TWA	100 ppm	OSHA Z-1

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			300 mg/m3	
	Further information: The value in mg/m3 is approximate.			
		TWA	100 ppm 300 mg/m3	OSHA P0
		STEL	150 ppm 450 mg/m3	OSHA P0

**Engineering measures** : Local ventilation recommended - mechanical ventilation may be used.

### Personal protective equipment

**Respiratory protection** : If airborne concentrations pose a health hazard, become irritating or exceed recommended limits, use a NIOSH approved respirator in accordance with OSHA respiratory protection requirements under 29 CFR 1910.134

**Hand protection**

**Remarks** : Butyl Rubber, PVC Or Neoprene.

**Eye protection** : Tightly fitting safety goggles

**Skin and body protection** : Protective clothing to minimize skin contact should be worn. Chemically resistant safety shoes. Wash contaminated clothing with soap and water and dry before reuse. Safety showers and eyewash stations should be provided in all areas where this material is handled.

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

**Hygiene measures** : Observe the usual precautions for handling chemicals.

## SECTION 9. 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.

**Boiling point** : not determined

**Flash point** : > 135 °C  
Data relate to solvent

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Evaporation rate	: Not applicable
Upper explosion limit	: Not applicable
	Not applicable
Lower explosion limit	: Not applicable
Vapour pressure	: Not applicable
Relative vapour density	: Not applicable
Relative density	: not tested.
Density	: not tested.
Bulk density	: 230 kg/m <sup>3</sup> 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
Viscosity, kinematic	: Not applicable
Explosive properties	: Not explosive Method: Expert judgement
Oxidizing properties	: The substance or mixture is not classified as oxidizing. Method: Expert judgement
Impact sensitivity	: Not impact sensitive.
Surface tension	: Not applicable
Sublimation point	: not determined
Molecular weight	: > 10,000 g/mol

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**SECTION 10. STABILITY AND REACTIVITY**

Reactivity	: No dangerous reaction known under conditions of normal use.
Chemical stability	: Stable under normal conditions.
Possibility of hazardous reactions	: Contact with strong bases liberates ammonia. The product is not a dust explosion risk as supplied; however the build-up of fine dust can lead to a risk of dust explosions.
Conditions to avoid	: None known.
Incompatible materials	: not known
Hazardous decomposition products	: When handled and stored appropriately, no dangerous decomposition products are known

**SECTION 11. TOXICOLOGICAL INFORMATION****Information on likely routes of exposure**

Eye contact  
Skin contact  
Inhalation

**Acute toxicity****Product:**

Acute oral toxicity	: LD50 (Rat): > 2,000 mg/kg Method: OECD Test Guideline 401
Acute inhalation toxicity	: Acute toxicity estimate: > 10 mg/l Exposure time: 4 h Test atmosphere: dust/mist Method: Calculation method
Acute dermal toxicity	: Remarks: not tested.

**Components:****2-Methylpropan-2-ol:**

Acute oral toxicity	: LD50 (Rat): 3,500 mg/kg
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**Skin corrosion/irritation****Product:**

Species: Rabbit  
Method: OECD Test Guideline 404  
Result: No skin irritation

**Serious eye damage/eye irritation****Product:**

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Species: rabbit eye  
Result: No eye irritation  
Method: OECD Test Guideline 405

**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.

**IARC** Not listed

**OSHA** Not listed

**NTP** Not listed

**Reproductive toxicity****Product:**

Effects on fertility :  
Remarks: not tested.

Effects on foetal development : Remarks: not tested.

Reproductive toxicity - Assessment : No information available.

No information available.

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**Repeated dose toxicity****Product:**

Remarks: not tested.

**Experience with human exposure****Product:**

General Information : The possible symptoms known are those derived from the labelling (see section 2).

**Further information****Product:**

Remarks: By analogy with a product of similar composition

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**SECTION 12. ECOLOGICAL INFORMATION****Ecotoxicity****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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**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.

**Bioaccumulative potential****Product:**

Bioaccumulation : Remarks: not tested.

**Mobility in soil****Product:**

Distribution among environmental compartments : Remarks: not tested.

**Other adverse effects****Product:**

Environmental fate and pathways : Remarks: no data available

Results of PBT and vPvB assessment : The substance is not identified as a PBT or as a vPvB substance.

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

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**SECTION 13. DISPOSAL CONSIDERATIONS****Disposal methods**

RCRA - Resource Conservation and Recovery Authorization Act : No -- Not as sold.

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Waste Code : NONE

Waste from residues : Must be incinerated in a suitable incineration plant holding a permit delivered by the competent authorities.

Contaminated packaging : Packaging that cannot be cleaned should be disposed of as product waste

## SECTION 14. TRANSPORT INFORMATION

DOT not restricted

IATA not restricted

IMDG not restricted

## SECTION 15. REGULATORY INFORMATION

### EPCRA - Emergency Planning and Community Right-to-Know Act

#### CERCLA Reportable Quantity

This material does not contain any components with a CERCLA RQ.

#### SARA 304 Extremely Hazardous Substances Reportable Quantity

This material does not contain any components with a section 304 EHS RQ.

**SARA 311/312 Hazards** : Acute Health Hazard

**SARA 302** : No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302.

**SARA 313** : This product contains the chemical or chemicals listed below which are subject to the supplier notification requirements of Section 313 of the Superfund Amendments and Reauthorization Act of 1986 ("SARA") and the requirements of 40 CFR Part 372:

2-Methylpropan-2-ol	75-65-0	4 %
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### Clean Water Act

Contains no known priority pollutants at concentrations greater than 0.1%.

### The components of this product are reported in the following inventories:

TSCA : This product is not listed on the Toxic Substances Control Act (TSCA) Inventory. It can not be used for any commercial purposes except as a bonafide cosmetic or cosmetic adjuvant, additive, or ingredient; or for use in research and development under the supervision of a technically qualified individual to understand its potential hazards.

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## **Inventories**

AICS (Australia), DSL (Canada), IECSC (China), REACH (European Union), ENCS (Japan), ISHL (Japan), KECI (Korea), NZIoC (New Zealand), PICCS (Philippines), TSCA (USA)

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## **SECTION 16. OTHER INFORMATION**

### **Further information**

#### **Warning**

This product is not listed on the TSCA Inventory. It is to be used as a cosmetic ingredient only. Any other use will subject the user to penalties under the Toxic Substances Control Act and the regulations issued thereunder.

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This information is supplied under the OSHA Hazard Communication Standard, 29 CFR 1910.1200, and is offered in good faith based on data available to us that we believe to be true and accurate. The recommended industrial hygiene and safe handling procedures are believed to be generally applicable to the material. However, each user should review these recommendations in the specific context of the intended use and determine whether they are appropriate for that use. No warranty, express or implied, is made regarding the accuracy of this data, the hazards connected with the use of the material, or the results to be obtained from the use thereof. We assume no responsibility for damage or injury from the use of the product described herein. Data provided here are typical and not intended for use as product specifications.

US / USA

CLARIANT CORPORATION

4000 Monroe Road  
Charlotte, NC 28205  
USA

**CLARIANT** 

Product Stewardship  
704-331-7710  
NORAM-PS-  
SENTINEL@clariant.com

**Cosmetic**  
8/18/2014

Charlotte, NC

Dear Customer:

We are providing you with the following product:

Cosmetic product

This Product Stewardship communication is a reminder that this product is not listed on the Toxic Substances Control Act (TSCA) Inventory. The product is therefore being provided to you to be used in the form in which it is purchased from us, as a cosmetic ingredient, solely within the meaning of Section 201 of the Federal Food, Drug and Cosmetic Act.

Feel free to contact us should you have any questions or comments.

Best regards,

Clariant Corporation  
North American Product Stewardship

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. NO EXPRESS OR IMPLIED WARRANTY IS MADE OF THE MERCHANTABILITY, SUITABILITY, FITNESS FOR A PARTICULAR PURPOSE OR OTHERWISE OF ANY PRODUCT OR SERVICE. 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.