

ARISTOFLEX BLV

Page 1

Substance key: 000000350896

Revision Date: 02/01/2023

Version : 3 - 2 / USA

Date of printing :07/07/2023

SECTION 1. IDENTIFICATION

Identification of the company:	Clariant Corporation 500 East Morehead Street Charlotte, NC, 28202 Telephone No.: +1 704 331 7000
	Information of the substance/preparation: Product Stewardship, +1-704-331-7710 e-mail: SDS.NORAM@clariant.com
	Emergency tel. number: +1 800-424-9300 CHEMTREC

Trade name:	ARISTOFLEX BLV
Material number:	234471
CAS number:	1219698-43-7
Primary product use:	Thickener for emulsions
Chemical family:	Polymeric sulphonic acid, ammonium salt.

SECTION 2. HAZARDS IDENTIFICATION

GHS classification in accordance with the OSHA Hazard Communication Standard (29 CFR 1910.1200)

Combustible dust

GHS label elements

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. P233 Keep container tightly closed. P243 Take action to prevent static discharges.

Other hazards

None known.

SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

Substance / Mixture	: Substance
Substance name	: Polymeric sulphonic acid, ammonium salt.
CAS-No.	: 1219698-43-7

ARISTOFLEX BLV

Page 2

Substance key: 000000350896

Revision Date: 02/01/2023

Version : 3 - 2 / USA

Date of printing :07/07/2023

Components

Chemical name	CAS-No.	Concentration (% w/w)
tert-Butyl alcohol	75-65-0	< 3

Actual concentration is withheld as a trade secret

SECTION 4. FIRST AID MEASURES

- 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 : Get medical attention immediately.
- 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 : Treat symptomatically.

SECTION 5. FIREFIGHTING MEASURES

- Suitable extinguishing media : Water spray jet
Foam
- Unsuitable extinguishing media : Dry powder
Carbon dioxide (CO₂)
High volume water jet
- Specific hazards during firefighting : In case of fire hazardous decomposition products may be produced such as:
Nitrogen oxides (NO_x)
Sulphur dioxide
Ammonia
- Further information : Wear full protective clothing and self-contained breathing apparatus.
Fight fire remotely due to the risk of explosion.
Risk of dust explosion.

ARISTOFLEX BLV

Page 3

Substance key: 000000350896
Version : 3 - 2 / USA

Revision Date: 02/01/2023
Date of printing :07/07/2023

Special protective equipment : Self-contained breathing apparatus
for firefighters

SECTION 6. ACCIDENTAL RELEASE MEASURES

- 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, ventilate area of spill or leak, remove all sparking devices or ignition sources, 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".

SECTION 7. HANDLING AND STORAGE

- Advice on protection against fire and explosion : Observe the general rules of industrial fire protection
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.
- Further information on storage conditions : Store in original container.
Keep container tightly closed.
Keep container closed.
Keep away from heat.

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

Components	CAS-No.	Value type (Form of exposure)	Control parameters / Permissible concentration	Basis
tert-Butyl alcohol	75-65-0	TWA	100 ppm	ACGIH
		TWA	100 ppm 300 mg/m ³	NIOSH REL
		ST	150 ppm 450 mg/m ³	NIOSH REL

ARISTOFLEX BLV

Page 4

Substance key: 000000350896

Revision Date: 02/01/2023

Version : 3 - 2 / USA

Date of printing :07/07/2023

		TWA	100 ppm 300 mg/m ³	OSHA Z-1
		TWA	100 ppm 300 mg/m ³	OSHA P0
		STEL	150 ppm 450 mg/m ³	OSHA P0

Engineering measures : A system of local and/or general exhaust is recommended where employee exposures are at or above Occupational Exposure Limits (OEL).

Personal protective equipment

Respiratory protection : Wear NIOSH approved particulate filtering respirator rated N, R, or P95 or 100 or equivalent in the absence of proper environmental control. Type of respirator depends on level of exposure.

Hand protection
Remarks : Butyl Rubber, PVC Or Neoprene.

Eye protection : Safety glasses with side-shields

Skin and body protection : Wear protective clothing, including long sleeves and gloves, to prevent skin contact.

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 : odourless

pH : 4.0 - 6.0 (68 °F / 20 °C)
Concentration: 10 g/l
Method: DIN EN 1262

Melting point : no data available

Boiling point : no data available

Flash point : Not applicable

ARISTOFLEX BLV

Page 5

Substance key: 000000350896

Revision Date: 02/01/2023

Version : 3 - 2 / USA

Date of printing :07/07/2023

Flammability (solid, gas)	:	not determined
Self-ignition	:	no data available
Burning number	:	3 Local combustion without spreading
Upper explosion limit / upper flammability limit	:	Not applicable
Lower explosion limit / Lower flammability limit	:	Not applicable
Vapour pressure	:	Not applicable
Relative vapour density	:	Not applicable
Density	:	no data available
Solubility(ies) Water solubility	:	soluble, gel formation
Partition coefficient: n-octanol/water	:	log Pow: > 1.0
Auto-ignition temperature	:	None
Decomposition temperature	:	> 482 °F / > 250 °C
Viscosity Viscosity, kinematic	:	no data available
Molecular weight	:	> 10,000 g/mol
Dust explosion class	:	St1
Metal corrosion rate	:	< 6.25 mm/a Not corrosive to metals
Particle size	:	no data available

SECTION 10. STABILITY AND REACTIVITY

Reactivity	:	No dangerous reaction known under conditions of normal use.
Chemical stability	:	Stable hygroscopic
Possibility of hazardous reactions	:	Contact with strong bases liberates ammonia.

ARISTOFLEX BLV

Page 6

Substance key: 000000350896

Revision Date: 02/01/2023

Version : 3 - 2 / USA

Date of printing :07/07/2023

Conditions to avoid	:	Keep away from heat and sources of ignition.
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 423

Acute inhalation toxicity : Acute toxicity estimate: 75 mg/l
Exposure time: 4 h
Test atmosphere: dust/mist
Method: Calculation method

Acute dermal toxicity : Remarks: not tested.

Components:**tert-Butyl alcohol:**

Acute oral toxicity : LD50 (Rat, male and female): 3,046 mg/kg
Method: Other

Acute inhalation toxicity : Assessment: The component/mixture is moderately toxic after short term inhalation.

Acute dermal toxicity : > 2,000 mg/kg
Assessment: The substance or mixture has no acute dermal toxicity

Skin corrosion/irritation**Product:**

Species : Rabbit
Exposure time : 4 h
Method : OECD Test Guideline 404
Result : No skin irritation

ARISTOFLEX BLV

Page 7

Substance key: 000000350896
Version : 3 - 2 / USA

Revision Date: 02/01/2023
Date of printing :07/07/2023

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

Species : rabbit eye
Result : No eye irritation
Exposure time : 24 h
Method : OECD Test Guideline 405

Components:**tert-Butyl alcohol:**

Result : Irritating to eyes.

Respiratory or skin sensitisation**Product:**

Test Type : Skin
Species : Guinea pig
Method : OECD Test Guideline 406
Result : non-sensitizing

Germ cell mutagenicity**Product:**

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

Test Type: Bacterial reverse mutation assay
Test system: Escherichia coli
Method: OECD Test Guideline 471
Result: negative

Germ cell mutagenicity - Assessment : Not mutagenic in Ames Test

Carcinogenicity**Product:**

Carcinogenicity - Assessment : No information available.

IARC No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC.

OSHA No component of this product present at levels greater than or equal to 0.1% is on OSHA's list of regulated carcinogens.

NTP No component of this product present at levels greater than or equal to 0.1% is identified as a known or anticipated carcinogen by NTP.

ARISTOFLEX BLV

Page 8

Substance key: 000000350896

Revision Date: 02/01/2023

Version : 3 - 2 / USA

Date of printing :07/07/2023

Reproductive toxicity**Product:**Reproductive toxicity -
Assessment : No information available.

No information available.

STOT - single exposure**Product:**

Remarks : not tested.

Components:**tert-Butyl alcohol:**

Assessment : May cause respiratory irritation.

STOT - repeated exposure**Product:**

Remarks : not tested.

Repeated dose toxicity**Product:**

Remarks : not tested.

Aspiration toxicity**Product:**

no data available

Experience with human exposure**Product:**General Information : The possible symptoms known are those derived from the
labelling (see section 2).**Further information****Product:**

Remarks : There is no data available for this product.

SECTION 12. ECOLOGICAL INFORMATION**Ecotoxicity****Product:**Toxicity to fish : LC50 (Danio rerio (zebra fish)): > 100 mg/l
Exposure time: 96 h

ARISTOFLEX BLV

Page 9

Substance key: 000000350896
Version : 3 - 2 / USA

Revision Date: 02/01/2023
Date of printing :07/07/2023

Method: OECD Test Guideline 203

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

Toxicity to algae/aquatic
plants : 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 microorganisms : EC50 (Vibrio fischerii (Bacteria)): 120 mg/l
Exposure time: 30 min
Method: ISO 11348-2

Persistence and degradability**Product:**

Biodegradability : Biodegradation: 33 %
Exposure time: 28 d
Method: OECD Test Guideline 301B

Chemical Oxygen Demand
(COD) : 1,174 mg/g
Method: ISO/DIS 15705

Dissolved organic carbon
(DOC) : 334 mg/g
Method: DIN/EN 1484

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

Additional ecological
information : Read-across (Analogy)

Substance key: 000000350896
Version : 3 - 2 / USA

Revision Date: 02/01/2023
Date of printing :07/07/2023

SECTION 13. DISPOSAL CONSIDERATIONS

Disposal methods

- RCRA - Resource Conservation and Recovery Act Waste Code : This product, if discarded as sold, is not a Federal RCRA hazardous waste.
- Waste Code : NONE
- Waste from residues : Consult local, state, and federal regulations. 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

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 302 Extremely Hazardous Substances Threshold Planning Quantity

This material does not contain any components with a section 302 EHS TPQ.

SARA 311/312 Hazards : Combustible dust

SARA 313 : The following components are subject to reporting levels established by SARA Title III, Section 313:

tert-Butyl alcohol 75-65-0 < 3 %

Clean Water Act

This product does not contain any Hazardous Substances listed under the U.S. CleanWater Act, Section 311, Table 116.4A.

This product does not contain any Hazardous Chemicals listed under the U.S. CleanWater Act, Section 311, Table 117.3.

This product does not contain any toxic pollutants listed under the U.S. Clean Water Act Section 307

This product does not contain any priority pollutants related to the U.S. Clean Water Act

ARISTOFLEX BLV

Page 11

Substance key: 000000350896

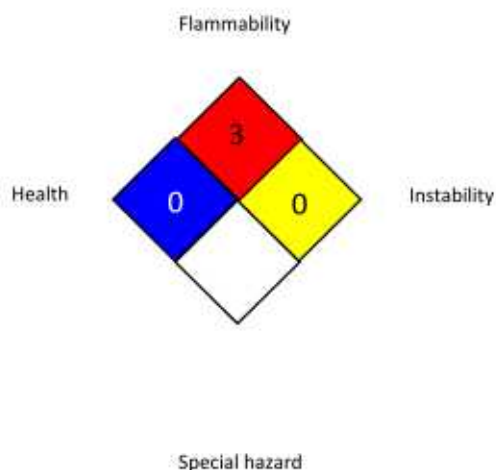
Revision Date: 02/01/2023

Version : 3 - 2 / USA

Date of printing :07/07/2023

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

TSCA : 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.

SECTION 16. OTHER INFORMATION**Further information****NFPA 704:****Full text of other abbreviations**

ACGIH : USA. ACGIH Threshold Limit Values (TLV)
 NIOSH REL : USA. NIOSH Recommended Exposure Limits
 OSHA P0 : USA. Table Z-1-A Limits for Air Contaminants (1989 vacated values)
 OSHA Z-1 : USA. Occupational Exposure Limits (OSHA) - Table Z-1 Limits for Air Contaminants
 ACGIH / TWA : 8-hour, time-weighted average
 NIOSH REL / TWA : Time-weighted average concentration for up to a 10-hour workday during a 40-hour workweek
 NIOSH REL / ST : STEL - 15-minute TWA exposure that should not be exceeded at any time during a workday
 OSHA P0 / TWA : 8-hour time weighted average
 OSHA P0 / STEL : Short-term exposure limit
 OSHA Z-1 / TWA : 8-hour time weighted average

AIIC - Australian Inventory of Industrial Chemicals; ASTM - American Society for the Testing of Materials; bw - Body weight; CERCLA - Comprehensive Environmental Response, Compensation, and Liability Act; CMR - Carcinogen, Mutagen or Reproductive Toxicant; DIN - Standard of the German Institute for Standardisation; DOT - Department of Transportation; DSL - Domestic Substances List (Canada); ECx - Concentration associated with x% response; EHS -

Substance key: 000000350896

Revision Date: 02/01/2023

Version : 3 - 2 / USA

Date of printing :07/07/2023

Extremely Hazardous Substance; 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; ERG - Emergency Response Guide; GHS - Globally Harmonized System; GLP - Good Laboratory Practice; HMIS - Hazardous Materials Identification System; 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; MSHA - Mine Safety and Health Administration; n.o.s. - Not Otherwise Specified; NFPA - National Fire Protection Association; NO(A)EC - No Observed (Adverse) Effect Concentration; NO(A)EL - No Observed (Adverse) Effect Level; NOELR - No Observable Effect Loading Rate; NTP - National Toxicology Program; 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; RCRA - Resource Conservation and Recovery Act; REACH - Regulation (EC) No 1907/2006 of the European Parliament and of the Council concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals; RQ - Reportable Quantity; SADT - Self-Accelerating Decomposition Temperature; SARA - Superfund Amendments and Reauthorization Act; SDS - Safety Data Sheet; TCSI - Taiwan Chemical Substance Inventory; TECI - Thailand Existing Chemicals Inventory; TSCA - Toxic Substances Control Act (United States); UN - United Nations; UNRTDG - United Nations Recommendations on the Transport of Dangerous Goods; vPvB - Very Persistent and Very Bioaccumulative

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.

For additional information, contact Product Stewardship.

Revision Date : 02/01/2023

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

SAFETY DATA SHEET



ARISTOFLEX BLV

Page 13

Substance key: 000000350896

Revision Date: 02/01/2023

Version : 3 - 2 / USA

Date of printing :07/07/2023

information before handling any of these products. For additional information, please contact Clariant.

US / EN