

## Aristoflex Velvet

Page 1

Substance key: 000000472194  
Version : 4 - 2 / USA

Revision Date: 11/12/2025  
Date of printing :11/21/2025

## SECTION 1. IDENTIFICATION

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

<b>Trade name:</b>	<b>Aristoflex Velvet</b>
<b>Material number:</b>	248710
<b>CAS number:</b>	1355508-95-0
<b>Primary product use:</b>	Raw material for cosmetics
<b>Chemical family:</b>	A polymeric sulphonic acid , partially neutralized

## SECTION 2. HAZARDS IDENTIFICATION

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

**Hazards for the product as supplied**

Combustible dust

**Other hazards**

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

**GHS label elements**

Signal word	:	Warning
Hazard statements	:	May form combustible dust concentrations in air.
Precautionary statements	:	<b>Prevention:</b> 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. Prevent dust accumulations to minimize explosion hazard.

**Hazards resulting from a reaction with other chemicals under normal conditions of use:**

Conditions	Chemicals formed	Hazards
Reacts with Strong bases	Ammonium hydroxide	Harmful if swallowed. Causes severe skin burns and

## Aristoflex Velvet

Page 2

Substance key: 000000472194

Revision Date: 11/12/2025

Version : 4 - 2 / USA

Date of printing :11/21/2025

eye damage.

## SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

Substance / Mixture : Substance  
 Substance name : A polymeric sulphonic acid , partially neutralized  
 CAS-No. : 1355508-95-0

## Components

Chemical name	CAS No./Unique ID	Concentration (% w/w)	Trade secret
tert-Butyl alcohol	75-65-0*	>= 1 - <= 5	TSC

\* Indicates that the identifier is a CAS No.

TSC- the actual concentration or concentration range is withheld as a trade secret

## SECTION 4. FIRST AID MEASURES

General advice : Get medical advice/ attention if you feel unwell.  
Do not leave the victim unattended.

If inhaled : Move to fresh air.  
If unconscious, place in recovery position and seek medical advice.  
Never give anything by mouth to an unconscious person.  
Get immediate medical advice/ attention.  
  
Give oxygen or artificial respiration if needed.

In case of skin contact : If on skin, rinse well with water.  
If on clothes, remove clothes.  
If skin irritation occurs, seek medical advice/attention.

In case of eye contact : Immediately flush eye(s) with plenty of water.  
If easy to do, remove contact lens, if worn.  
Protect unharmed eye.  
Keep eye wide open while rinsing.  
If eye irritation persists, consult a specialist.

If swallowed : Rinse mouth with water.  
Do NOT induce vomiting.  
Never give anything by mouth to an unconscious person.  
Obtain medical attention.

Most important symptoms and effects, both acute and delayed : The possible health hazards known are those derived from the labelling (see corresponding section) and/or provided in this section.

## Aristoflex Velvet

Page 3

Substance key: 000000472194

Revision Date: 11/12/2025

Version : 4 - 2 / USA

Date of printing :11/21/2025

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

Notes to physician : Treat symptomatically.

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**SECTION 5. FIREFIGHTING MEASURES**

- Suitable extinguishing media : Water spray jet  
Alcohol-resistant foam  
Dry powder  
Carbon dioxide (CO<sub>2</sub>)  
Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.
- Unsuitable extinguishing media : High volume water jet
- Hazardous combustion products : Carbon oxides  
Hydrocarbons  
Nitrogen oxides (NO<sub>x</sub>)
- Further information : In the event of fire and/or explosion do not breathe fumes.  
Do not allow run-off from fire fighting to enter drains or water courses.  
Fire residues and contaminated fire extinguishing water must be disposed of in accordance with local regulations.
- Special protective equipment for firefighters : Wear full protective clothing and self-contained breathing apparatus.

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**SECTION 6. ACCIDENTAL RELEASE MEASURES**

- Personal precautions, protective equipment and emergency procedures : Avoid contact with skin, eyes and clothing.  
Ensure adequate ventilation.  
Evacuate personnel to safe areas.  
Remove all sources of ignition.  
Use personal protective equipment.  
Refer to protective measures listed in sections 7 and 8.  
Avoid breathing dust.  
Avoid dust formation.
- Environmental precautions : The product should not be allowed to enter drains, water courses or the soil.
- Methods and materials for containment and cleaning up : Avoid dust formation.  
Non-sparking tools should be used.  
Take measures to prevent the build up of electrostatic charge.  
Sweep up and shovel into suitable containers for disposal.

## Aristoflex Velvet

Page 4

Substance key: 000000472194  
Version : 4 - 2 / USA

Revision Date: 11/12/2025  
Date of printing :11/21/2025

Clean contaminated surface thoroughly.  
Treat recovered material as described in the section "Disposal considerations".

**SECTION 7. HANDLING AND STORAGE**

- Advice on protection against fire and explosion : Keep away from heat and sources of ignition.  
Observe the general rules of industrial fire protection  
Take precautionary measures against build-up of electrostatic charges, e.g earthing during loading and off-loading operations.  
Dust can form an explosive mixture in air.  
Electrical equipment should be protected to the appropriate standard.  
Cool endangered containers with water spray jet.
- Advice on safe handling : Use only with adequate ventilation/personal protection.  
For personal protection see section 8.  
Avoid contact with skin, eyes and clothing.  
Do not breathe dust/ fume/ gas/ mist/ vapours/ spray.  
Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.  
Avoid dust formation.  
Take measures to prevent the build up of electrostatic charge.  
Ensure all equipment is electrically grounded before beginning transfer operations.  
Use only non-sparking tools.
- Conditions for safe storage : Keep containers tightly closed in a dry, cool and well-ventilated place.  
Handle and open container with care.  
Keep away from sources of ignition - No smoking.
- Materials to avoid : Do not store with alkalies
- Further information on storage stability : Stable under recommended storage conditions.

**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/m3	NIOSH REL
		ST	150 ppm	NIOSH REL

## Aristoflex Velvet

Page 5

Substance key: 000000472194

Revision Date: 11/12/2025

Version : 4 - 2 / USA

Date of printing :11/21/2025

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

**Engineering measures** : Use adequate exhaust ventilation and/or dust collection to keep dust levels below exposure limits.

**Personal protective equipment**

**Respiratory protection** : General and local exhaust ventilation is recommended to maintain vapor exposures below recommended limits. Where concentrations are above recommended limits or are unknown, appropriate respiratory protection should be worn. Follow OSHA respirator regulations (29 CFR 1910.134) and use NIOSH/MSHA approved respirators. Protection provided by air purifying respirators against exposure to any hazardous chemical is limited. Use a positive pressure air supplied respirator if there is any potential for uncontrolled release, exposure levels are unknown, or any other circumstance where air purifying respirators may not provide adequate protection.

**Hand protection**

Remarks

: Butyl Rubber, PVC Or Neoprene.

**Eye protection**

: Wear safety glasses with side shields or goggles.

**Skin and body protection**

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

**Protective measures**

: Observe the usual precautions for handling chemicals. Avoid breathing dust or vapour.

**Hygiene measures**

: Handle in accordance with good industrial hygiene and safety practice.  
Use protective skin cream before handling the product.  
Wash hands before breaks and at the end of workday.  
Take off immediately all contaminated clothing and wash it before reuse.

**SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES**

**Appearance**

: powder

**Colour**

: white

## Aristoflex Velvet

Page 6

Substance key: 000000472194

Revision Date: 11/12/2025

Version : 4 - 2 / USA

Date of printing :11/21/2025

Odour	:	characteristic
Odour Threshold	:	not determined
pH	:	approx. 4 - 6 (68 °F / 20 °C) Concentration: 1 g/l Method: DIN EN 1262
Melting point	:	Decomposes before melting.
Boiling point	:	Not applicable
Flash point	:	Not applicable
Evaporation rate	:	not determined
Flammability (solid, gas)	:	May form combustible dust concentrations in air.
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	:	no data available
Relative vapour density	:	Not applicable
Density	:	no data available
Bulk density	:	230 kg/m <sup>3</sup> Method: ISO 697
Solubility(ies) Water solubility	:	10 g/l soluble Method: OECD Test Guideline 120
Partition coefficient: n-octanol/water	:	Not applicable
Auto-ignition temperature	:	Does not apply to solids.
Decomposition temperature	:	approx. 482 °F / 250 °C
Viscosity Viscosity, dynamic	:	Not applicable

**Aristoflex Velvet**

Page 7

Substance key: 000000472194

Revision Date: 11/12/2025

Version : 4 - 2 / USA

Date of printing :11/21/2025

Viscosity, kinematic	:	Does not apply to solids.
Explosive properties	:	Not explosive Method: Expert judgement
Oxidizing properties	:	The substance or mixture is not classified as oxidizing. Method: Expert judgement
Molecular weight	:	100 - 500 kg/mol
Dust explosion class	:	St1
Metal corrosion rate	:	< 6.25 mm/a Not corrosive to metals
Minimum ignition energy	:	100 - 300 mJ
Particle size	:	0.2 - 282.5 µm

**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	:	Keep away from heat.
Incompatible materials	:	Alkalis
Hazardous decomposition products	:	When handled and stored appropriately, no dangerous decomposition products are known

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

Skin contact  
Eye contact  
Ingestion  
Inhalation

**Acute toxicity**

Not classified

**Product:**

**Aristoflex Velvet**

Page 8

Substance key: 000000472194

Revision Date: 11/12/2025

Version : 4 - 2 / USA

Date of printing :11/21/2025

Acute oral toxicity : LD50 (Rat): > 2,000 mg/kg  
Method: OECD Test Guideline 401

LD50 (Rat): > 2,000 mg/kg  
Method: OECD Test Guideline 423

Acute inhalation toxicity : Acute toxicity estimate: 50 mg/l  
Exposure time: 4 h  
Test atmosphere: dust/mist  
Method: Calculation method

**Components:****tert-Butyl alcohol:**

Acute oral toxicity : LD50 (Rat, male and female): 3,046 mg/kg  
Method: Other  
Assessment: The substance or mixture has no acute oral toxicity

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**

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

**Product:**

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

**Serious eye damage/eye irritation**

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

**Product:**

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

**Components:****tert-Butyl alcohol:**

Result : Irritating to eyes.

**Respiratory or skin sensitisation****Skin sensitisation**

Not classified

## Aristoflex Velvet

Page 9

Substance key: 000000472194

Revision Date: 11/12/2025

Version : 4 - 2 / USA

Date of printing :11/21/2025

**Respiratory sensitisation**

Not classified

**Product:**

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

Test Type : Skin  
Species : Mouse  
Method : OECD Test Guideline 429  
Result : non-sensitizing

**Germ cell mutagenicity**

Not classified

**Product:**

Genotoxicity in vitro : Test Type: Bacterial reverse mutation assay  
Test system: Salmonella typhimurium  
Metabolic activation: with and without metabolic activation  
Method: OECD Test Guideline 471  
Result: negative  
GLP: yes

Test Type: Bacterial reverse mutation assay  
Test system: Escherichia coli  
Metabolic activation: with and without metabolic activation  
Method: OECD Test Guideline 471  
Result: negative  
GLP: yes

Germ cell mutagenicity - Assessment : Not mutagenic in Ames Test

**Carcinogenicity**

Not classified

**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 Velvet

Page 10

Substance key: 000000472194

Revision Date: 11/12/2025

Version : 4 - 2 / USA

Date of printing :11/21/2025

**Reproductive toxicity**

Not classified

**Product:**

Reproductive toxicity - Assessment : No information available.

No information available.

**STOT - single exposure**

Not classified

**Components:****tert-Butyl alcohol:**

Assessment : May cause respiratory irritation.

**STOT - repeated exposure**

Not classified

**Aspiration toxicity**

Not classified

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

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

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**SECTION 12. ECOLOGICAL INFORMATION****Ecotoxicity****Product:**Toxicity to fish : LC50 (Danio rerio (zebra fish)): > 1,000 mg/l  
End point: mortality  
Exposure time: 96 h  
Method: OECD Test Guideline 203  
Remarks: By analogy with a product of similar compositionToxicity to microorganisms : EC50 (activated sludge): > 3,200 mg/l  
Method: OECD Test Guideline 209**Persistence and degradability****Product:**Biodegradability : Result: Not readily biodegradable.  
Biodegradation: 7 %  
Exposure time: 28 d  
Method: OECD Test Guideline 301B

**Aristoflex Velvet**

Page 11

---

Substance key: 000000472194  
Version : 4 - 2 / USA

Revision Date: 11/12/2025  
Date of printing :11/21/2025

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**Bioaccumulative potential**

no data available

**Mobility in soil**

no data available

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

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

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

RCRA - Resource Conservation and Recovery Act Waste Code : No -- Not as sold.  
: None

Waste from residues : 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

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

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**SECTION 14. TRANSPORT INFORMATION**

DOT not restricted  
IATA not restricted  
IMDG not restricted

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**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

## Aristoflex Velvet

Page 12

Substance key: 000000472194

Revision Date: 11/12/2025

Version : 4 - 2 / USA

Date of printing :11/21/2025

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

tert-Butyl alcohol 75-65-0 >= 1 - < 5 %

**Clean Air Act**

This product does not contain any hazardous air pollutants (HAP), as defined by the U.S. Clean Air Act Section 112 (40 CFR 61).

This product does not contain any chemicals listed under the U.S. Clean Air Act Section 112(r) for Accidental Release Prevention (40 CFR 68.130, Subpart F).

The following chemical(s) are listed under the U.S. Clean Air Act Section 111 SOCM I Intermediate or Final VOC's (40 CFR 60.489):

tert-Butyl alcohol 75-65-0 >= 1 - < 5 %

**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

**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.

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**SECTION 16. OTHER INFORMATION****Further information**

## Aristoflex Velvet

Page 13

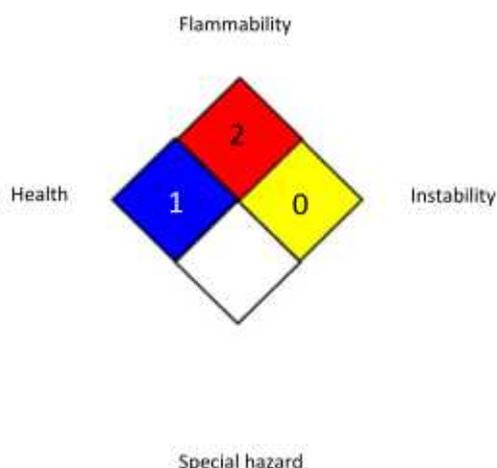
Substance key: 000000472194

Revision Date: 11/12/2025

Version : 4 - 2 / USA

Date of printing :11/21/2025

## 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

AIIIC - 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 - 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 Harmonised 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 Organisation; ISHL - Industrial Safety and Health Law (Japan); ISO - International Organisation for Standardisation; KECI - Korea Existing Chemicals Inventory; LC50

## Aristoflex Velvet

Page 14

Substance key: 000000472194

Revision Date: 11/12/2025

Version : 4 - 2 / USA

Date of printing :11/21/2025

- 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 - Organisation 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

Observe national and local legal requirements

Items where changes have been made to the previous version are highlighted in the body of this document by two vertical lines.

Revision Date : 11/12/2025

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