

SAFETY DATA SHEET

according to GB/T 16483 and GB/T 17519



Viton™ VTR-9301 fluoroelastomer

Version	Revision Date:	SDS Number:	Date of last issue: 2024/07/03
3.0	2024/10/21	10790870-00007	Date of first issue: 2022/06/15

1. PRODUCT AND COMPANY IDENTIFICATION

Product name : Viton™ VTR-9301 fluoroelastomer

SDS-Identcode : 130000119342

Manufacturer or supplier's details

Company : The Chemours Chemical (Shanghai) Co., Ltd.

Address : 9F, SCG Parkside, 868 Yinghua Road, Pudong New District
201204, Shanghai, China

Telephone : 86 400 8056 528

Emergency telephone number : 86 532 8388 9090

E-mail address : SDS.ChinaPSR@chemours.com

Telefax : 86 21 2612 0862

Recommended use of the chemical and restrictions on use

Recommended use : Rubber products
Resin for moulding and/or extrusion

Restrictions on use : For industrial use only.
Do not use or resell Chemours™ materials in medical applications involving implantation in the human body or contact with internal body fluids or tissues unless agreed to by Seller in a written agreement covering such use. For further information, please contact your Chemours representative.

2. HAZARDS IDENTIFICATION

Emergency Overview

Appearance	: sheets
Colour	: white, off-white
Odour	: odourless

Not a hazardous substance or mixture.

GHS Classification

Not a hazardous substance or mixture.

SAFETY DATA SHEET

according to GB/T 16483 and GB/T 17519



Viton™ VTR-9301 fluoroelastomer

Version	Revision Date:	SDS Number:	Date of last issue: 2024/07/03
3.0	2024/10/21	10790870-00007	Date of first issue: 2022/06/15

GHS label elements

No hazard pictogram, no signal word, no hazard statement(s), no precautionary statement(s) required.

Physical and chemical hazards

Not classified based on available information.

Health hazards

Not classified based on available information.

Environmental hazards

Not classified based on available information.

Other hazards which do not result in classification

None known.

3. COMPOSITION/INFORMATION ON INGREDIENTS

Substance / Mixture : Mixture

Components

Chemical name	CAS-No.	Concentration (% w/w)
Wollastonite	13983-17-0	≥ 1 -< 10
Propylidynetrimethyl trimethacrylate	3290-92-4	≥ 2.5 -< 10
Filler	Proprietary Ingredient	≥ 1 -< 2.5
2,6-Di-tert-butyl-4- dimethylaminomethylphenol	88-27-7	≥ 0.1 -< 0.25

4. FIRST AID MEASURES

If inhaled	: If inhaled, remove to fresh air. Get medical attention if symptoms occur.
In case of skin contact	: Wash with water and soap as a precaution. Get medical attention if symptoms occur.
In case of eye contact	: Flush eyes with water as a precaution. Get medical attention if irritation develops and persists.
If swallowed	: If swallowed, DO NOT induce vomiting. Get medical attention if symptoms occur. Rinse mouth thoroughly with water.
Most important symptoms and effects, both acute and delayed	: None known.
Protection of first-aiders	: No special precautions are necessary for first aid responders.

SAFETY DATA SHEET

according to GB/T 16483 and GB/T 17519



Viton™ VTR-9301 fluoroelastomer

Version	Revision Date:	SDS Number:	Date of last issue: 2024/07/03
3.0	2024/10/21	10790870-00007	Date of first issue: 2022/06/15

Notes to physician : Treat symptomatically and supportively.

5. FIREFIGHTING MEASURES

Suitable extinguishing media : Water spray
Alcohol-resistant foam
Carbon dioxide (CO₂)
Dry chemical

Unsuitable extinguishing media : None known.

Specific hazards during fire-fighting : Exposure to combustion products may be a hazard to health.

Hazardous combustion products : Carbon oxides
Fluorine compounds
Bromine compounds
Silicon oxides
Metal oxides
Sulphur oxides

Specific extinguishing methods : Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.
Use water spray to cool unopened containers.
Remove undamaged containers from fire area if it is safe to do so.
Evacuate area.

Special protective equipment for firefighters : Wear self-contained breathing apparatus for firefighting if necessary.
Use personal protective equipment.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures : Follow safe handling advice (see section 7) and personal protective equipment recommendations (see section 8).

Environmental precautions : Avoid release to the environment.
Prevent further leakage or spillage if safe to do so.
Retain and dispose of contaminated wash water.
Local authorities should be advised if significant spillages cannot be contained.

SAFETY DATA SHEET

according to GB/T 16483 and GB/T 17519



Viton™ VTR-9301 fluoroelastomer

Version	Revision Date:	SDS Number:	Date of last issue: 2024/07/03
3.0	2024/10/21	10790870-00007	Date of first issue: 2022/06/15

Methods and materials for containment and cleaning up : Sweep up or vacuum up spillage and collect in suitable container for disposal.
Local or national regulations may apply to releases and disposal of this material, as well as those materials and items employed in the cleanup of releases. You will need to determine which regulations are applicable.
Sections 13 and 15 of this SDS provide information regarding certain local or national requirements.

7. HANDLING AND STORAGE

Handling

Technical measures : See Engineering measures under EXPOSURE CONTROLS/PERSONAL PROTECTION section.

Local/Total ventilation : Use only with adequate ventilation.

Advice on safe handling : Avoid prolonged or repeated contact with skin.
Handle in accordance with good industrial hygiene and safety practice, based on the results of the workplace exposure assessment
Take care to prevent spills, waste and minimize release to the environment.

Avoidance of contact : None.

Storage

Conditions for safe storage : Keep in properly labelled containers.
Store in accordance with the particular national regulations.

Materials to avoid : No special restrictions on storage with other products.

Packaging material : Unsuitable material: None known.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Components with workplace control parameters

Components	CAS-No.	Value type (Form of exposure)	Control parameters / Permissible concentration	Basis
Wollastonite	13983-17-0	PC-TWA (Total dust)	5 mg/m3	CN OEL
		TWA (Inhalable particulate matter)	1 mg/m3	ACGIH
Filler	Proprietary	PC-TWA	10 mg/m3	CN OEL

SAFETY DATA SHEET

according to GB/T 16483 and GB/T 17519



Viton™ VTR-9301 fluoroelastomer

Version	Revision Date:	SDS Number:	Date of last issue:
3.0	2024/10/21	10790870-00007	2024/07/03
			Date of first issue: 2022/06/15

	Ingredient		(Barium)	
		PC-TWA (Total dust)	5 mg/m3	CN OEL
		TWA (Inhalable particulate matter)	5 mg/m3	ACGIH

Engineering measures : Ensure adequate ventilation, especially in confined areas.
Minimize workplace exposure concentrations.

Personal protective equipment

Respiratory protection : If adequate local exhaust ventilation is not available or exposure assessment demonstrates exposures outside the recommended guidelines, use respiratory protection.

Filter type : Particulates type

Eye/face protection : Wear the following personal protective equipment:
Safety glasses

Skin and body protection : Skin should be washed after contact.

Hand protection

Material : Nitrile rubber
Glove thickness : 0.38 mm
Wearing time : 480 min

Remarks : Choose gloves to protect hands against chemicals depending on the concentration and quantity of the hazardous substance and specific to place of work. For special applications, we recommend clarifying the resistance to chemicals of the aforementioned protective gloves with the glove manufacturer. Wash hands before breaks and at the end of workday. Breakthrough time is not determined for the product. Change gloves often!

Hygiene measures : If exposure to chemical is likely during typical use, provide eye flushing systems and safety showers close to the working place.
When using do not eat, drink or smoke.
Wash contaminated clothing before re-use.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance : sheets

Colour : white, off-white

SAFETY DATA SHEET

according to GB/T 16483 and GB/T 17519



Viton™ VTR-9301 fluoroelastomer

Version	Revision Date:	SDS Number:	Date of last issue: 2024/07/03
3.0	2024/10/21	10790870-00007	Date of first issue: 2022/06/15

Odour	:	odourless
Odour Threshold	:	No data available
pH	:	No data available
Melting point/freezing point	:	No data available
Initial boiling point and boiling range	:	No data available
Flash point	:	Not applicable
Evaporation rate	:	Not applicable
Flammability (solid, gas)	:	No data available
Upper explosion limit / Upper flammability limit	:	No data available
Lower explosion limit / Lower flammability limit	:	No data available
Vapour pressure	:	Not applicable
Relative vapour density	:	Not applicable
Density	:	1.75 - 1.90 g/cm ³
Solubility(ies)		
Water solubility	:	insoluble
Partition coefficient: n-octanol/water	:	Not applicable
Auto-ignition temperature	:	No data available
Decomposition temperature	:	No data available
Viscosity		
Viscosity, kinematic	:	Not applicable
Explosive properties	:	Not explosive
Oxidizing properties	:	The substance or mixture is not classified as oxidizing.

SAFETY DATA SHEET

according to GB/T 16483 and GB/T 17519



Viton™ VTR-9301 fluoroelastomer

Version	Revision Date:	SDS Number:	Date of last issue:
3.0	2024/10/21	10790870-00007	2024/07/03
			Date of first issue: 2022/06/15

Particle characteristics
Particle size : No data available

10. STABILITY AND REACTIVITY

Reactivity : Not classified as a reactivity hazard.

Chemical stability : Stable under normal conditions.

Possibility of hazardous reactions : None known.

Conditions to avoid : None known.

Incompatible materials : None.

Hazardous decomposition products : No hazardous decomposition products are known.

11. TOXICOLOGICAL INFORMATION

Exposure routes : Skin contact
Ingestion
Eye contact

Acute toxicity

Not classified based on available information.

Components:

Wollastonite:

Acute oral toxicity	: LD50 (Rat): > 5,000 mg/kg Method: OECD Test Guideline 401 Remarks: Based on data from similar materials
Acute inhalation toxicity	: LC50 (Rat): > 1 mg/l Exposure time: 4 h Test atmosphere: dust/mist Method: OECD Test Guideline 403 Remarks: Based on data from similar materials
Acute dermal toxicity	: LD50 (Rabbit): > 5,000 mg/kg Method: OECD Test Guideline 402 Remarks: Based on data from similar materials

Propylidynetrimethyl trimethacrylate:

Acute oral toxicity	: LD50 (Rat): > 2,000 mg/kg Assessment: The substance or mixture has no acute oral toxicity
---------------------	--

SAFETY DATA SHEET

according to GB/T 16483 and GB/T 17519



Viton™ VTR-9301 fluoroelastomer

Version	Revision Date:	SDS Number:	Date of last issue: 2024/07/03
3.0	2024/10/21	10790870-00007	Date of first issue: 2022/06/15

Acute dermal toxicity : LD50 (Rat): > 2,000 mg/kg
Method: OECD Test Guideline 402
Assessment: The substance or mixture has no acute dermal toxicity

Filler:

Acute oral toxicity : LD50 (Rat): > 5,000 mg/kg

2,6-Di-tert-butyl-4- dimethylaminomethylphenol:

Acute oral toxicity : LD50 (Rat): 365 mg/kg
Method: OECD Test Guideline 401

Acute dermal toxicity : LD50 (Rabbit): > 4,000 mg/kg

Skin corrosion/irritation

Not classified based on available information.

Components:

Wollastonite:

Species : Rabbit
Result : No skin irritation
Remarks : Based on data from similar materials

Propylidynetrimehyl trimethacrylate:

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

Filler:

Species : reconstructed human epidermis (RhE)
Method : OECD Test Guideline 439
Remarks : Based on data from similar materials

Result : No skin irritation

2,6-Di-tert-butyl-4- dimethylaminomethylphenol:

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

Serious eye damage/eye irritation

Not classified based on available information.

Product:

Result : No eye irritation

SAFETY DATA SHEET

according to GB/T 16483 and GB/T 17519



Viton™ VTR-9301 fluoroelastomer

Version	Revision Date:	SDS Number:	Date of last issue: 2024/07/03
3.0	2024/10/21	10790870-00007	Date of first issue: 2022/06/15

Components:

Wollastonite:

Species	: Rabbit
Result	: Irritation to eyes, reversing within 21 days
Method	: OECD Test Guideline 405
Remarks	: Based on data from similar materials

Propylidynetrimethyl trimethacrylate:

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

Filler:

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

2,6-Di-tert-butyl-4- dimethylaminomethylphenol:

Species	: Rabbit
Result	: Irritation to eyes, reversing within 21 days

Respiratory or skin sensitisation

Skin sensitisation

Not classified based on available information.

Respiratory sensitisation

Not classified based on available information.

Components:

Wollastonite:

Test Type	: Local lymph node assay (LLNA)
Exposure routes	: Skin contact
Species	: Mouse
Method	: OECD Test Guideline 429
Result	: negative
Remarks	: Based on data from similar materials

Propylidynetrimethyl trimethacrylate:

Test Type	: Maximisation Test
Exposure routes	: Skin contact
Species	: Guinea pig
Method	: OECD Test Guideline 406
Result	: negative

SAFETY DATA SHEET

according to GB/T 16483 and GB/T 17519



Viton™ VTR-9301 fluoroelastomer

Version	Revision Date:	SDS Number:	Date of last issue: 2024/07/03
3.0	2024/10/21	10790870-00007	Date of first issue: 2022/06/15

Filler:

Test Type	: Local lymph node assay (LLNA)
Exposure routes	: Skin contact
Species	: Mouse
Method	: OECD Test Guideline 429
Result	: negative
Remarks	: Based on data from similar materials

2,6-Di-tert-butyl-4- dimethylaminomethylphenol:

Test Type	: Local lymph node assay (LLNA)
Exposure routes	: Skin contact
Species	: Mouse
Method	: OECD Test Guideline 429
Result	: positive
Assessment	: Probability or evidence of low to moderate skin sensitisation rate in humans

Germ cell mutagenicity

Not classified based on available information.

Components:

Wollastonite:

Genotoxicity in vitro	: Test Type: Bacterial reverse mutation assay (AMES) Result: negative Test Type: In vitro mammalian cell gene mutation test Method: OECD Test Guideline 476 Result: negative Test Type: Chromosome aberration test in vitro Result: negative
Genotoxicity in vivo	: Test Type: Mutagenicity (in vivo mammalian bone-marrow cytogenetic test, chromosomal analysis) Species: Rat Application Route: Ingestion Result: negative Remarks: Based on data from similar materials

Propylidynetrimethyl trimethacrylate:

Genotoxicity in vitro	: Test Type: In vitro mammalian cell gene mutation test Method: OECD Test Guideline 476 Result: negative
Genotoxicity in vivo	: Test Type: Unscheduled DNA synthesis (UDS) test with mammalian liver cells in vivo Species: Rat

SAFETY DATA SHEET

according to GB/T 16483 and GB/T 17519



Viton™ VTR-9301 fluoroelastomer

Version	Revision Date:	SDS Number:	Date of last issue:
3.0	2024/10/21	10790870-00007	2024/07/03
			Date of first issue: 2022/06/15

Application Route: Ingestion
Method: OECD Test Guideline 486
Result: negative

Filler:

Genotoxicity in vitro : Test Type: Bacterial reverse mutation assay (AMES)
Result: negative
Remarks: Based on data from similar materials

Test Type: Chromosome aberration test in vitro
Result: negative
Remarks: Based on data from similar materials

Test Type: In vitro mammalian cell gene mutation test
Method: OECD Test Guideline 476
Result: negative
Remarks: Based on data from similar materials

2,6-Di-tert-butyl-4- dimethylaminomethylphenol:

Genotoxicity in vitro : Test Type: Bacterial reverse mutation assay (AMES)
Result: negative

Test Type: In vitro mammalian cell gene mutation test
Method: OECD Test Guideline 476
Result: negative

Test Type: Chromosome aberration test in vitro
Result: equivocal

Genotoxicity in vivo : Test Type: Mammalian erythrocyte micronucleus test (in vivo cytogenetic assay)
Species: Mouse
Application Route: Ingestion
Result: negative
Remarks: Based on data from similar materials

Carcinogenicity

Not classified based on available information.

Components:

Wollastonite:

Species : Rat
Application Route : inhalation (dust/mist/fume)
Exposure time : 24 Months
Result : negative

Propylidynetrimethyl trimethacrylate:

Species : Mouse

SAFETY DATA SHEET

according to GB/T 16483 and GB/T 17519



Viton™ VTR-9301 fluoroelastomer

Version	Revision Date:	SDS Number:	Date of last issue: 2024/07/03
3.0	2024/10/21	10790870-00007	Date of first issue: 2022/06/15

Application Route	: Skin contact
Exposure time	: 80 weeks
Result	: negative

Filler:

Species	: Rat
Application Route	: Ingestion
Exposure time	: 2 Years
Result	: negative
Remarks	: Based on data from similar materials

Reproductive toxicity

Not classified based on available information.

Components:

Wollastonite:

Effects on foetal development	: Test Type: Embryo-foetal development Species: Rat Application Route: Ingestion Result: negative Remarks: Based on data from similar materials
-------------------------------	---

Propylidynetrimethyl trimethacrylate:

Effects on fertility	: Test Type: Combined repeated dose toxicity study with the reproduction/developmental toxicity screening test Species: Rat Application Route: Ingestion Method: OECD Test Guideline 422 Result: negative
Effects on foetal development	: Test Type: Combined repeated dose toxicity study with the reproduction/developmental toxicity screening test Species: Rat Application Route: Ingestion Method: OECD Test Guideline 422 Result: negative

Filler:

Effects on fertility	: Test Type: Fertility/early embryonic development Species: Rat Application Route: Ingestion Result: negative Remarks: Based on data from similar materials
Effects on foetal development	: Test Type: Embryo-foetal development Species: Rat Application Route: Ingestion Method: OECD Test Guideline 414

SAFETY DATA SHEET

according to GB/T 16483 and GB/T 17519



Viton™ VTR-9301 fluoroelastomer

Version	Revision Date:	SDS Number:	Date of last issue: 2024/07/03
3.0	2024/10/21	10790870-00007	Date of first issue: 2022/06/15

Result: negative

Remarks: Based on data from similar materials

2,6-Di-tert-butyl-4- dimethylaminomethylphenol:

Effects on fertility : Test Type: Reproduction/Developmental toxicity screening test
Species: Rat
Application Route: Ingestion
Method: OECD Test Guideline 421
Result: negative

Effects on foetal development : Test Type: Embryo-foetal development
Species: Rat
Application Route: Ingestion
Result: negative
Remarks: Based on data from similar materials

STOT - single exposure

Not classified based on available information.

STOT - repeated exposure

Not classified based on available information.

Components:

Filler:

Assessment : No significant health effects observed in animals at concentrations of 100 mg/kg bw or less.

2,6-Di-tert-butyl-4- dimethylaminomethylphenol:

Assessment : No significant health effects observed in animals at concentrations of 100 mg/kg bw or less.

Repeated dose toxicity

Components:

Wollastonite:

Species : Rat
NOAEL : 2,500 mg/kg
LOAEL : 3,750 mg/kg
Application Route : Ingestion
Exposure time : 2 yr
Remarks : Based on data from similar materials

Propylidynetrimethyl trimethacrylate:

Species : Rat
NOAEL : > 900 mg/kg

SAFETY DATA SHEET

according to GB/T 16483 and GB/T 17519



Viton™ VTR-9301 fluoroelastomer

Version	Revision Date:	SDS Number:	Date of last issue: 2024/07/03
3.0	2024/10/21	10790870-00007	Date of first issue: 2022/06/15

Application Route : Ingestion
Exposure time : 5 Weeks
Method : OECD Test Guideline 422

Species : Rabbit
NOAEL : 300 mg/kg
Application Route : Skin contact
Exposure time : 2 Weeks

Filler:

Species : Rat
NOAEL : 61.1 mg/kg
Application Route : Ingestion
Exposure time : 90 Days
Remarks : Based on data from similar materials

2,6-Di-tert-butyl-4- dimethylaminomethylphenol:

Species : Rat
NOAEL : 150 mg/kg
Application Route : Ingestion
Exposure time : 28 Days

Aspiration toxicity

Not classified based on available information.

Further information

Product:

Remarks : According to data on similar materials, and from modeling assessment, the product is not considered to require classification as dangerous to health.

12. ECOLOGICAL INFORMATION

Ecotoxicity

Product:

Ecotoxicology Assessment

Acute aquatic toxicity : This product has no known ecotoxicological effects.

Chronic aquatic toxicity : This product has no known ecotoxicological effects.

Components:

Wollastonite:

Toxicity to fish : LL50 (Oncorhynchus mykiss (rainbow trout)): > 100 mg/l
Exposure time: 96 h

SAFETY DATA SHEET

according to GB/T 16483 and GB/T 17519



Viton™ VTR-9301 fluoroelastomer

Version	Revision Date:	SDS Number:	Date of last issue:
3.0	2024/10/21	10790870-00007	2024/07/03
			Date of first issue: 2022/06/15

	Test substance: Water Accommodated Fraction Method: OECD Test Guideline 203 Remarks: Based on data from similar materials
Toxicity to daphnia and other aquatic invertebrates	: EL50 (Daphnia magna (Water flea)): > 100 mg/l Exposure time: 48 h Test substance: Water Accommodated Fraction Method: OECD Test Guideline 202 Remarks: Based on data from similar materials
Toxicity to algae/aquatic plants	: EL50 (Desmodesmus subspicatus (green algae)): > 100 mg/l Exposure time: 72 h Test substance: Water Accommodated Fraction Method: OECD Test Guideline 201 Remarks: Based on data from similar materials
	EL10 (Desmodesmus subspicatus (green algae)): > 1 mg/l Exposure time: 72 h Test substance: Water Accommodated Fraction Method: OECD Test Guideline 201 Remarks: Based on data from similar materials

Propylidynetrimethyl trimethacrylate:

Toxicity to fish	: LC50 (Oncorhynchus mykiss (rainbow trout)): 2 mg/l Exposure time: 96 h
Toxicity to daphnia and other aquatic invertebrates	: EC50 (Daphnia magna (Water flea)): > 9.22 mg/l Exposure time: 48 h Method: OECD Test Guideline 202
Toxicity to algae/aquatic plants	: EC50 (Pseudokirchneriella subcapitata (green algae)): 3.88 mg/l Exposure time: 96 h Method: OECD Test Guideline 201
Toxicity to fish (Chronic toxicity)	: NOEC (Pimephales promelas (fathead minnow)): 0.138 mg/l Exposure time: 32 d Method: OECD Test Guideline 210
Toxicity to microorganisms	: EC50: > 1,000 mg/l Exposure time: 3 h Method: OECD Test Guideline 209

Filler:

Toxicity to fish	: LC50 (Danio rerio (zebra fish)): > 100 mg/l Exposure time: 96 h Method: OECD Test Guideline 203 Remarks: Based on data from similar materials
Toxicity to daphnia and other	: EC50 (Daphnia magna (Water flea)): > 10 - 100 mg/l

SAFETY DATA SHEET

according to GB/T 16483 and GB/T 17519



Viton™ VTR-9301 fluoroelastomer

Version	Revision Date:	SDS Number:	Date of last issue:
3.0	2024/10/21	10790870-00007	2024/07/03
			Date of first issue: 2022/06/15

aquatic invertebrates	Exposure time: 48 h Remarks: Based on data from similar materials
Toxicity to algae/aquatic plants	: NOEC (Pseudokirchneriella subcapitata (green algae)): > 1 mg/l Exposure time: 72 h Method: OECD Test Guideline 201 Remarks: Based on data from similar materials ErC50 (Pseudokirchneriella subcapitata (green algae)): > 100 mg/l Exposure time: 72 h Method: OECD Test Guideline 201 Remarks: Based on data from similar materials
Toxicity to daphnia and other aquatic invertebrates (Chronic toxicity)	: NOEC (Daphnia magna (Water flea)): > 1 mg/l Exposure time: 21 d Remarks: Based on data from similar materials
Toxicity to microorganisms	: EC50: > 600 mg/l Exposure time: 3 h Method: OECD Test Guideline 209 Remarks: Based on data from similar materials NOEC: > 600 mg/l Exposure time: 3 h Method: OECD Test Guideline 209 Remarks: Based on data from similar materials

2,6-Di-tert-butyl-4- dimethylaminomethylphenol:

Toxicity to daphnia and other aquatic invertebrates	: EC50 (Daphnia magna (Water flea)): > 0.1 - 1 mg/l Exposure time: 48 h Remarks: Based on data from similar materials
Toxicity to algae/aquatic plants	: ErC50 (Pseudokirchneriella subcapitata (green algae)): > 0.1 - 1 mg/l Exposure time: 72 h Remarks: Based on data from similar materials
M-Factor (Acute aquatic toxicity)	: 1
M-Factor (Chronic aquatic toxicity)	: 1
Toxicity to microorganisms	: IC50: > 100 mg/l Exposure time: 3 h Method: OECD Test Guideline 209

SAFETY DATA SHEET

according to GB/T 16483 and GB/T 17519



Viton™ VTR-9301 fluoroelastomer

Version	Revision Date:	SDS Number:	Date of last issue: 2024/07/03
3.0	2024/10/21	10790870-00007	Date of first issue: 2022/06/15

Persistence and degradability

Components:

Propylidynetrimethyl trimethacrylate:

Biodegradability	:	Result: Not readily biodegradable. Biodegradation: 53 % Exposure time: 28 d Method: OECD Test Guideline 301B
------------------	---	---

2,6-Di-tert-butyl-4- dimethylaminomethylphenol:

Biodegradability	:	Result: Not readily biodegradable. Method: OECD Test Guideline 301C Remarks: Based on data from similar materials
------------------	---	---

Bioaccumulative potential

Components:

Propylidynetrimethyl trimethacrylate:

Partition coefficient: n-octanol/water	:	log Pow: 2.749 - 4.193
--	---	------------------------

Filler:

Bioaccumulation	:	Species: Lepomis macrochirus (Bluegill sunfish) Bioconcentration factor (BCF): < 500
Partition coefficient: n-octanol/water	:	log Pow: -1.03 Remarks: Calculation

2,6-Di-tert-butyl-4- dimethylaminomethylphenol:

Partition coefficient: n-octanol/water	:	log Pow: 4.24 Remarks: Calculation
--	---	---------------------------------------

Mobility in soil

No data available

Other adverse effects

Product:

Additional ecological information	:	According to data on similar materials, and from modelling assessment, the product is not considered to require classification as dangerous to the environment.
-----------------------------------	---	---

SAFETY DATA SHEET

according to GB/T 16483 and GB/T 17519



Viton™ VTR-9301 fluoroelastomer

Version	Revision Date:	SDS Number:	Date of last issue: 2024/07/03
3.0	2024/10/21	10790870-00007	Date of first issue: 2022/06/15

13. DISPOSAL CONSIDERATIONS

Disposal methods

Waste from residues : Do not dispose of waste into sewer.
Dispose of in accordance with local regulations.

Contaminated packaging : Empty containers should be taken to an approved waste handling site for recycling or disposal.
If not otherwise specified: Dispose of as unused product.

14. TRANSPORT INFORMATION

International Regulations

UNRTDG

UN number : Not applicable
Proper shipping name : Not applicable
Class : Not applicable
Subsidiary risk : Not applicable
Packing group : Not applicable
Labels : Not applicable
Environmentally hazardous : no

IATA-DGR

UN/ID No. : Not applicable
Proper shipping name : Not applicable
Class : Not applicable
Subsidiary risk : Not applicable
Packing group : Not applicable
Labels : Not applicable
Packing instruction (cargo aircraft) : Not applicable
Packing instruction (passenger aircraft) : Not applicable

IMDG-Code

UN number : Not applicable
Proper shipping name : Not applicable
Class : Not applicable
Subsidiary risk : Not applicable
Packing group : Not applicable
Labels : Not applicable
EmS Code : Not applicable
Marine pollutant : no

Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

Not applicable for product as supplied.

National Regulations

SAFETY DATA SHEET

according to GB/T 16483 and GB/T 17519



Viton™ VTR-9301 fluoroelastomer

Version	Revision Date:	SDS Number:	Date of last issue: 2024/07/03
3.0	2024/10/21	10790870-00007	Date of first issue: 2022/06/15

GB 6944/12268

UN number	:	Not applicable
Proper shipping name	:	Not applicable
Class	:	Not applicable
Subsidiary risk	:	Not applicable
Packing group	:	Not applicable
Labels	:	Not applicable
Marine pollutant	:	no

Special precautions for user

Not applicable

15. REGULATORY INFORMATION

National regulatory information

Law on the Prevention and Control of Occupational Diseases

Regulations on Safety Management of Hazardous Chemicals

Catalogue of Hazardous Chemicals	:	This product is not listed in the catalogue of hazardous chemicals and it does not meet the definition of hazardous chemicals and its principles of determination.
----------------------------------	---	--

Identification of Major Hazard Installations for Hazardous Chemicals (GB 18218)	:	Not listed
---	---	------------

Hazardous Chemicals for Priority Management under SAWS	:	Not listed
--	---	------------

Regulations on Labour Protection in Workplaces where Toxic Substances are Used

Catalogue of Highly Toxic Chemicals	:	Not listed
-------------------------------------	---	------------

Regulation of Environmental Management on the First Import of Chemicals and the Import and Export of Toxic Chemicals

China Severely Restricted Toxic Chemicals for Import and Export	:	Not listed
---	---	------------

Regulation on the Administration of Precursor Chemicals

Catalogue and Classification of Precursor Chemicals	:	Not listed
---	---	------------

Yangtze River Protection Law

This product does not contain any dangerous chemicals prohibited for inland river transport.

16. OTHER INFORMATION

Revision Date	:	2024/10/21
---------------	---	------------

SAFETY DATA SHEET

according to GB/T 16483 and GB/T 17519



Viton™ VTR-9301 fluoroelastomer

Version	Revision Date:	SDS Number:	Date of last issue: 2024/07/03
3.0	2024/10/21	10790870-00007	Date of first issue: 2022/06/15

Other information : Chemours™ and the Chemours Logo are trademarks of The Chemours Company.
Before use read Chemours safety information.
For further information contact the local Chemours office or nominated distributors.

Further information

Sources of key data used to compile the Safety Data Sheet : Internal technical data, data from raw material SDSs, OECD eChem Portal search results and European Chemicals Agency, <http://echa.europa.eu/>

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

Date format : yyyy/mm/dd

Full text of other abbreviations

ACGIH : USA. ACGIH Threshold Limit Values (TLV)
CN OEL : Occupational exposure limits for hazardous agents in the workplace - Chemical hazardous agents.

ACGIH / TWA : 8-hour, time-weighted average
CN OEL / PC-TWA : Permissible concentration - time weighted average

AIIC - Australian Inventory of Industrial Chemicals; ANTT - National Agency for Transport by Land of Brazil; ASTM - American Society for the Testing of Materials; bw - Body weight; CMR - Carcinogen, Mutagen or Reproductive Toxicant; DIN - Standard of the German Institute for Standardisation; DSL - Domestic Substances List (Canada); 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; ERG - Emergency Response Guide; 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; Nch - Chilean Norm; NO(A)EC - No Observed (Adverse) Effect Concentration; NO(A)EL - No Observed (Adverse) Effect Level; NOELR - No Observable Effect Loading Rate; NOM - Official Mexican Norm; 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; REACH - Regulation (EC) No 1907/2006 of the European Parliament and of the Council concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals; SADT - Self-Accelerating Decomposition Tem-

SAFETY DATA SHEET

according to GB/T 16483 and GB/T 17519



Viton™ VTR-9301 fluoroelastomer

Version	Revision Date:	SDS Number:	Date of last issue: 2024/07/03
3.0	2024/10/21	10790870-00007	Date of first issue: 2022/06/15

perature; SDS - Safety Data Sheet; TCSI - Taiwan Chemical Substance Inventory; TDG - Transportation of Dangerous Goods; 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; WHMIS - Workplace Hazardous Materials Information System

Disclaimer

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and shall not be considered a warranty or quality specification of any type. The information provided relates only to the specific material identified at the top of this SDS and may not be valid when the SDS material is used in combination with any other materials or in any process, unless specified in the text. Material users should review the information and recommendations in the specific context of their intended manner of handling, use, processing and storage, including an assessment of the appropriateness of the SDS material in the user's end product, if applicable.

CN / EN