

**Safety data sheet
according to UK REACH**

Printing date 05.08.2024

Version number 13 (replaces version 12)

Revision: 01.08.2024

SECTION 1: Identification of the substance/mixture and of the company/undertaking**· 1.1 Product identifier****· Trade name:** Nullifire FS703**· MSDS code:** A-N-FS703**· 1.2 Relevant identified uses of the substance or mixture and uses advised against**

No further relevant information available.

· Application of the substance / the mixture Spacings sealant**· 1.3 Details of the supplier of the safety data sheet****· Manufacturer/Supplier:**

Tremco CPG Netherlands B.V.

Vlietskade 1032, 4241 WC Arkel

T: +31 (0) 183568000, F: +31 (0) 183568100

msds@tremcocpg.com

· Further information obtainable from:

Tremco CPG UK Ltd

Coupland Road, Hindley Green, Wigan, WN2 4HT

T: +44 (0) 1942251400, F: +44 (0) 1942251410

www.tremcocpg.eu, info.uk@tremcocpg.com

· 1.4 Emergency telephone number:

During office hours (Mon-Fri 08:30-17:00 GMT) Tel.: +44 (0) 1942251400. At all other times it is recommended to call NHS 111 (England/Wales/Scotland), your local GP/pharmacist (NI), 01 809 2166 (ROI), or otherwise to contact a doctor.

SECTION 2: Hazards identification**· 2.1 Classification of the substance or mixture****· Classification according to Regulation (EC) No 1272/2008**

Skin Sens. 1 H317 May cause an allergic skin reaction.

· 2.2 Label elements**· Labelling according to Regulation (EC) No 1272/2008**

The product is classified and labelled according to the GB CLP regulation.

· Hazard pictograms

GHS07

· Signal word Warning**· Contains:**

trimethoxyvinylsilane

(Contd. on page 2)

GB

Safety data sheet according to UK REACH

Printing date 05.08.2024

Version number 13 (replaces version 12)

Revision: 01.08.2024

Trade name: Nullifire FS703

(Contd. of page 1)

- **Hazard statements**

H317 May cause an allergic skin reaction.

- **Precautionary statements**

P261 Avoid breathing vapours.

P280 Wear protective gloves/protective clothing/eye protection/face protection.

P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P333+P313 If skin irritation or rash occurs: Get medical advice/attention.

- **2.3 Other hazards**

- **Results of PBT and vPvB assessment**

- **PBT:** Not applicable.

- **vPvB:** Not applicable.

SECTION 3: Composition/information on ingredients

- **3.2 Mixtures**

- **Description:** Polydimethylsiloxane with inorganic fillers and alkoxysilane as curing agent

- **Dangerous components:**

CAS: 2768-02-7 EINECS: 220-449-8 Reg.nr.: 01-2119513215-52-xxxx	trimethoxyvinylsilane Flam. Liq. 3, H226; Acute Tox. 4, H332; Skin Sens. 1B, H317	3-<10%
CAS: 13463-67-7 EINECS: 236-675-5 Reg.nr.: 01-2119489379-17-xxxx	titanium dioxide Carc. 2, H351	0.1-<1%

- **EU SVHC** see Section 15

- **GB SVHC** see Section 15

- **Additional information:**

For the wording of the listed hazard phrases refer to section 16.

While curing the following substances are formed and released by a reaction with atmospheric humidity:

Butan-1-ol (CAS 71-36-3)

Methanol (CAS 67-56-1)

SECTION 4: First aid measures

- **4.1 Description of first aid measures**

- **General information:** Take affected persons out into the fresh air.

- **After inhalation:** Supply fresh air; consult doctor in case of complaints.

- **After skin contact:**

Remove from the skin using a cloth or paper. Then clean with water and soap.

If skin irritation continues, consult a doctor.

- **After eye contact:** Rinse opened eye for several minutes under running water. Then consult a doctor.

- **After swallowing:** Do not induce vomiting; call for medical help immediately.

- **Information for doctor:** No further relevant information available.

- **4.2 Most important symptoms and effects, both acute and delayed**

No further relevant information available.

(Contd. on page 3)

Safety data sheet according to UK REACH

Printing date 05.08.2024

Version number 13 (replaces version 12)

Revision: 01.08.2024

Trade name: Nullifire FS703

(Contd. of page 2)

· **4.3 Indication of any immediate medical attention and special treatment needed**

No further relevant information available.

SECTION 5: Firefighting measures

· **5.1 Extinguishing media**

· **Suitable extinguishing agents:**

Use fire extinguishing methods suitable to surrounding conditions.

CO₂, powder or water spray. Fight larger fires with water spray or alcohol resistant foam.

· **For safety reasons unsuitable extinguishing agents:** Water with full jet

· **5.2 Special hazards arising from the substance or mixture** No further relevant information available.

· **5.3 Advice for firefighters**

· **Protective equipment:** Wear self-contained respiratory protective device.

SECTION 6: Accidental release measures

· **6.1 Personal precautions, protective equipment and emergency procedures**

Wear protective equipment. Keep unprotected persons away.

· **For non-emergency personnel** No further relevant information available.

· **For emergency responders** No further relevant information available.

· **6.2 Environmental precautions:**

Do not allow product to reach sewage system or any water course.

No special measures required.

Do not allow to enter sewers/ surface or ground water.

· **6.3 Methods and material for containment and cleaning up:**

Ensure adequate ventilation.

Pick up mechanically.

Dispose of the material collected according to regulations.

· **6.4 Reference to other sections**

By a reaction with atmospheric humidity by-products are released. See chapter 8.

SECTION 7: Handling and storage

· **7.1 Precautions for safe handling** No special precautions are necessary if used correctly.

· **Information about fire - and explosion protection:**

The usual precautionary measures are to be adhered to when handling chemicals.

· **7.2 Conditions for safe storage, including any incompatibilities**

· **Storage:**

· **Requirements to be met by storerooms and receptacles:** No special requirements.

· **Information about storage in one common storage facility:** Not required.

· **Further information about storage conditions:** None.

· **7.3 Specific end use(s)** No further relevant information available.

GB

(Contd. on page 4)

Safety data sheet according to UK REACH

Printing date 05.08.2024

Version number 13 (replaces version 12)

Revision: 01.08.2024

Trade name: Nullifire FS703

(Contd. of page 3)

SECTION 8: Exposure controls/personal protection

8.1 Control parameters

Ingredients with limit values that require monitoring at the workplace:

The product does not contain any relevant quantities of materials with critical values that have to be monitored at the workplace.

Long term effects

CAS: 13463-67-7 titanium dioxide

Oral	consumer	700 mg/kg/24h (consumers) (systemic effects)
Inhalative	industrial	10 mg/m3 (workers)

PNECs

CAS: 13463-67-7 titanium dioxide

PNEC	0.184 mg/L (fresh water)
	100 mg/L (sewage treatment plant)
	0.193 mg/L (intermittent release)
	0.0184 mg/L (salt water)
PNEC	100 mg/kg (soil)
	100 mg/kg (sediment (salt water))
	1,000 mg/kg (sediment (fresh water))

Ingredients with biological limit values:

Additional Occupational Exposure Limit Values for possible hazards during processing:

Butan-1-ol (CAS 71-36-3)

Methanol (CAS 67-56-1)

Additional information:

The lists valid during the making were used as basis.

HSE EH40/2005 Workplace Exposure Limits (as amended)

8.2 Exposure controls

Appropriate engineering controls

No further data; see section 7.

Individual protection measures, such as personal protective equipment

General protective and hygienic measures:

Do not eat, drink, smoke or sniff while working.

The usual precautionary measures are to be adhered to when handling chemicals.

Wash hands before breaks and at the end of work.

Respiratory protection:

Use suitable respiratory protective device in case of insufficient ventilation.

Not necessary if room is well-ventilated.

Filter AX

For further guidance,

please refer to HSE HSG53 "Respiratory Protective Equipment at work - A Practical Guide".

Hand protection

Preventive skin protection by use of skin-protecting agents is recommended.

(Contd. on page 5)

Safety data sheet according to UK REACH

Printing date 05.08.2024

Version number 13 (replaces version 12)

Revision: 01.08.2024

Trade name: Nullifire FS703

(Contd. of page 4)

The glove material has to be impermeable and resistant to the product/ the substance/ the preparation. Due to missing tests no recommendation to the glove material can be given for the product/ the preparation/ the chemical mixture.

Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation

- **Material of gloves**

Natural rubber, NR

The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer. As the product is a preparation of several substances, the resistance of the glove material can not be calculated in advance and has therefore to be checked prior to the application.

- **Penetration time of glove material**

Not applicable.

The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed.

- **Eye/face protection** Goggles recommended during refilling

- **Body protection:**



Protective work clothing

SECTION 9: Physical and chemical properties

- **9.1 Information on basic physical and chemical properties**

- **General Information**

- **Physical state**

Fluid

- **Colour:**

According to product specification

- **Odour:**

Characteristic

- **Odour threshold:**

Not determined.

- **Melting point/freezing point:**

Undetermined.

- **Boiling point or initial boiling point and boiling range**

Not applicable.

- **Flammability**

Not applicable.

- **Lower and upper explosion limit**

- **Lower:**

Not determined.

- **Upper:**

Not determined.

- **Flash point:**

>100 °C

- **Decomposition temperature:**

Not determined.

- **pH**

Mixture is non-polar/aprotic.

Not determined.

- **Viscosity:**

- **Kinematic viscosity**

Not determined.

(Contd. on page 6)

Safety data sheet

according to UK REACH

Printing date 05.08.2024

Version number 13 (replaces version 12)

Revision: 01.08.2024

Trade name: Nullifire FS703

(Contd. of page 5)

· Solubility	
· water:	Immiscible / difficult to mix.
· Partition coefficient n-octanol/water (log value)	Not determined.
· Vapour pressure:	Not determined.
· Density and/or relative density	
· Density at 20 °C:	1.4 g/cm ³
· Relative density	Not determined.
· Vapour density	Not determined.

· 9.2 Other information	
· Appearance:	
· Form:	Pasty
· Important information on protection of health and environment, and on safety.	
· Ignition temperature:	Product is not selfigniting.
· Explosive properties:	Product does not present an explosion hazard.
· Solvent content:	
· Organic solvents:	0.5 %
· VOC (EU)	0.45 %
	6.3 g/l
· VOC (EC)	0.45 %
· Evaporation rate	Not determined.

· Information with regard to physical hazard classes	
· Explosives	Void
· Flammable gases	Void
· Aerosols	Void
· Oxidising gases	Void
· Gases under pressure	Void
· Flammable liquids	Void
· Flammable solids	Void
· Self-reactive substances and mixtures	Void
· Pyrophoric liquids	Void
· Pyrophoric solids	Void
· Self-heating substances and mixtures	Void
· Substances and mixtures, which emit flammable gases in contact with water	Void
· Oxidising liquids	Void
· Oxidising solids	Void
· Organic peroxides	Void
· Corrosive to metals	Void
· Desensitised explosives	Void

GB

(Contd. on page 7)

Safety data sheet according to UK REACH

Printing date 05.08.2024

Version number 13 (replaces version 12)

Revision: 01.08.2024

Trade name: Nullifire FS703

(Contd. of page 6)

SECTION 10: Stability and reactivity

- **10.1 Reactivity** No further relevant information available.
- **10.2 Chemical stability**
- **Thermal decomposition / conditions to be avoided:**
No decomposition if used according to specifications.
- **10.3 Possibility of hazardous reactions** No dangerous reactions known.
- **10.4 Conditions to avoid** No further relevant information available.
- **10.5 Incompatible materials:** No further relevant information available.
- **10.6 Hazardous decomposition products:**
None if stored according to specifications.
Beginning at approx. 150 °C small amounts of formaldehyde are formed by an oxidative decomposition.

SECTION 11: Toxicological information

- **11.1 Information on hazard classes as defined in Regulation (EC) No 1272/2008**
- **Acute toxicity** Based on available data, the classification criteria are not met.

· LD/LC50 values relevant for classification:

CAS: 2768-02-7 trimethoxyvinylsilane

Inhalative	LC50/4 h	16.8 mg/L (rat)
------------	----------	-----------------

CAS: 13463-67-7 titanium dioxide

Oral	LD50	>20,000 mg/kg (rat)
Dermal	LD50	>10,000 mg/kg (rabbit)
Inhalative	LC50/4 h	>6.82 mg/L (rat)

- **Skin corrosion/irritation** Based on available data, the classification criteria are not met.
- **Serious eye damage/irritation** Based on available data, the classification criteria are not met.
- **Respiratory or skin sensitisation**
May cause an allergic skin reaction.
- **Germ cell mutagenicity** Based on available data, the classification criteria are not met.
- **Carcinogenicity** Based on available data, the classification criteria are not met.
- **Reproductive toxicity** Based on available data, the classification criteria are not met.
- **STOT-single exposure** Based on available data, the classification criteria are not met.
- **STOT-repeated exposure** Based on available data, the classification criteria are not met.
- **Aspiration hazard** Based on available data, the classification criteria are not met.
- **Additional toxicological information:**
- **Information on likely routes of exposure** No further relevant information available.
- **Symptoms related to the physical, chemical and toxicological characteristics**
No further relevant information available.
- **Delayed and immediate effects as well as chronic effects from short and long-term exposure**
No further relevant information available.

(Contd. on page 8)

GB

Safety data sheet according to UK REACH

Printing date 05.08.2024

Version number 13 (replaces version 12)

Revision: 01.08.2024

Trade name: Nullifire FS703

(Contd. of page 7)

· 11.2 Information on other hazards

· Endocrine disrupting properties

None of the ingredients is listed.

SECTION 12: Ecological information

· 12.1 Toxicity

· **Aquatic toxicity:** No further relevant information available.· **12.2 Persistence and degradability** No further relevant information available.· **Other information:** The product is not biodegradable.· **12.3 Bioaccumulative potential** No further relevant information available.· **12.4 Mobility in soil** No further relevant information available.

· 12.5 Results of PBT and vPvB assessment

· **PBT:** Not applicable.· **vPvB:** Not applicable.

· 12.6 Endocrine disrupting properties

The product does not contain substances with endocrine disrupting properties.

· **12.7 Other adverse effects** No further relevant information available.

SECTION 13: Disposal considerations

· 13.1 Waste treatment methods

· Recommendation

Uncured product may not be disposed of together with household waste and may not reach sewage system. To dispose of, open product containers and let them stand in open air until the reaction is finished totally (means there is no more smell). After that, waste can be disposed of as the cured product. Cured product can be deposited together with domestic waste. Observe the specific related regulations of local authorities.

· **European waste catalogue** 2008/98/EC (UK WM3) : n/a

· Uncleaned packaging:

· Recommendation:

Empty contaminated packagings thoroughly. They may be recycled after thorough and proper cleaning.

SECTION 14: Transport information

· 14.1 UN number or ID number

· **ADR, ADN, IMDG, IATA** Void

· 14.2 UN proper shipping name

· **ADR** Void

Void

· **ADN, IMDG, IATA** Void

Void

(Contd. on page 9)

GB

Safety data sheet according to UK REACH

Printing date 05.08.2024

Version number 13 (replaces version 12)

Revision: 01.08.2024

Trade name: Nullifire FS703

(Contd. of page 8)

· 14.3 Transport hazard class(es)	
· ADR, ADN, IMDG, IATA	
· Class	Void
· 14.4 Packing group	
· ADR, IMDG, IATA	Void
· 14.5 Environmental hazards:	
· Marine pollutant:	No
· 14.6 Special precautions for user	Not applicable.
· 14.7 Maritime transport in bulk according to IMO instruments	Not applicable.
· UN "Model Regulation":	Void

SECTION 15: Regulatory information

- **15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture**
HSE EH40/2005 Workplace Exposure Limits (as amended)
Guidance on the classification and assessment of waste | Technical Guidance WM3 (1st edition 2015)
"GB- CLP" UK SI 2019 No. 720 The Chemicals (Health and Safety) and Genetically Modified Organisms (Contained Use) (Amendment etc.) (EU Exit) Regulations 2019
"UK- REACH" UK SI 2020 No. 1577 The UK REACH etc. (Amendment etc.) (EU Exit) Regulations 2020
The Endocrine Disruptor Lists I, II, III (www.edlists.org)

- **Poisons Act**

- **Regulated explosives precursors**

None of the ingredients is listed.

- **Regulated poisons**

None of the ingredients is listed.

- **Reportable explosives precursors**

None of the ingredients is listed.

- **Reportable poisons**

None of the ingredients is listed.

- **Directive 2012/18/EU**

- **Named dangerous substances - ANNEX I** None of the ingredients is listed.

- **REGULATION (EC) No 1907/2006 ANNEX XVII** Conditions of restriction: 3

- **DIRECTIVE 2011/65/EU on the restriction of the use of certain hazardous substances in electrical and electronic equipment – Annex II**

None of the ingredients is listed.

(Contd. on page 10)

Safety data sheet according to UK REACH

Printing date 05.08.2024

Version number 13 (replaces version 12)

Revision: 01.08.2024

Trade name: Nullifire FS703

(Contd. of page 9)

- **REGULATION (EU) 2019/1148**

- **Annex I - RESTRICTED EXPLOSIVES PRECURSORS (Upper limit value for the purpose of licensing under Article 5(3))**

None of the ingredients is listed.

- **Annex II - REPORTABLE EXPLOSIVES PRECURSORS**

None of the ingredients is listed.

- **Regulation (EC) No 273/2004 on drug precursors**

None of the ingredients is listed.

- **Regulation (EC) No 111/2005 laying down rules for the monitoring of trade between the Community and third countries in drug precursors**

None of the ingredients is listed.

- **National regulations:**

- **Information about limitation of use:** Employment restrictions concerning juveniles must be observed.

- **Other regulations, limitations and prohibitive regulations** No further relevant information available.

- **Substances of very high concern (SVHC) according to EU REACH, Article 57** Not applicable.

- **Substances of very high concern (SVHC) according to UK REACH** Not applicable.

- **15.2 Chemical safety assessment:** A Chemical Safety Assessment has not been carried out.

SECTION 16: Other information

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

- **Relevant phrases**

H226 Flammable liquid and vapour.

H317 May cause an allergic skin reaction.

H332 Harmful if inhaled.

H351 Suspected of causing cancer.

- **Department issuing SDS:**

Prepared and verified in accordance with Annex II, Part A, 0.2.3. of "UK- REACH" UK SI 2019 No. 758 The UK REACH etc. (Amendment etc.) (EU Exit) Regulations 2019

- **Date of previous version:** 23.04.2024

- **Version number of previous version:** 12

- **Abbreviations and acronyms:**

ADR: Accord relatif au transport international des marchandises dangereuses par route (European Agreement Concerning the International Carriage of Dangerous Goods by Road)

IMDG: International Maritime Code for Dangerous Goods

IATA: International Air Transport Association

GHS: Globally Harmonised System of Classification and Labelling of Chemicals

EINECS: European Inventory of Existing Commercial Chemical Substances

ELINCS: European List of Notified Chemical Substances

CAS: Chemical Abstracts Service (division of the American Chemical Society)

VOC: Volatile Organic Compounds (USA, EU)

PNEC: Predicted No-Effect Concentration (UK REACH)

LC50: Lethal concentration, 50 percent

(Contd. on page 11)

**Safety data sheet
according to UK REACH**

Printing date 05.08.2024

Version number 13 (replaces version 12)

Revision: 01.08.2024

Trade name: Nullifire FS703

(Contd. of page 10)

LD50: Lethal dose, 50 percent
PBT: Persistent, Bioaccumulative and Toxic
SVHC: Substances of Very High Concern
vPvB: very Persistent and very Bioaccumulative
Flam. Liq. 3: Flammable liquids – Category 3
Acute Tox. 4: Acute toxicity – Category 4
Skin Sens. 1: Skin sensitisation – Category 1
Skin Sens. 1B: Skin sensitisation – Category 1B
Carc. 2: Carcinogenicity – Category 2

· *** Data compared to the previous version altered.**

GB