

SAFETY DATA SHEET

Elastic

SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1. Product identifier

Trade name

Elastic

Other names / Synonyms

FireStop 1000

Product no.

100790, 100825

1.2. Relevant identified uses of the substance or mixture and uses advised against

Relevant identified uses of the substance or mixture

Sealant

Uses advised against

None known.

1.3. Details of the supplier of the safety data sheet

Company and address

Fireseal AB

Esbogatan 14

164 74 Kista

Contact person

Anders Bengtsson

Revision

12/05/2026

SDS Version

3.0

1.4. Emergency telephone number

Healthcare professionals: Dial 0344 892 0111 to reach The National Poisons Information Service (NPIS) (24 hour service)

General public:

England - Dial 111 to reach NHS 111 (24 hour service)

Scotland - Dial 111 to reach NHS 24 (24 hour service)

Wales - Dial 111 or 0845 4647 to reach NHS Direct (24 hour service)

See section 4 "First aid measures".

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Not classified according to Regulation (EC) No. 1272/2008 (CLP) as retained and amended in UK law.

2.2. Label elements

Hazard pictogram(s)

Not applicable.

Signal word

Not applicable.

Hazard statement(s)

Not applicable.

Precautionary statement(s)

General

Not applicable.

Prevention

Not applicable.

Response

Not applicable.

Storage

Not applicable.

Disposal

Not applicable.

Hazardous substances

Contains no substances that need to be listed on the label.

Additional labelling

EUH210, Safety data sheet available on request.

2.3. Other hazards

Additional warnings

This mixture/product does not contain any substances known to fulfil the criteria for PBT and vPvB classification.

-

SECTION 3: Composition/information on ingredients

3.1. Substances

Not applicable. This product is a mixture.

3.2. Mixtures

Product/substance	Identifiers	% w/w	Classification	Note
Titanium dioxide; [in powder form containing 1% or more of particles with aerodynamic diameter ≤ 10 µm]	CAS No.: 13463-67-7 EC No.: 236-675-5 UK-REACH: Index No.: 022-006-00-2	1,2 - 3,9 %		
Diisopropoxy-bis(ethylacetoacetato)titanium	CAS No.: 27858-32-8 EC No.: 248-697-2 UK-REACH: Index No.:	0,4 - 1,1 %	Flam. Liq. 3, H226 Eye Irrit. 2, H319 STOT SE 3, H336	

See full text of H-phrases in section 16. Occupational exposure limits are listed in section 8, if these are available.

Other information

-

SECTION 4: First aid measures

4.1. Description of first aid measures

General information

In the case of accident: Contact a doctor or casualty department – take the label or this safety data sheet. Contact a doctor if in doubt about the injured person's condition or if the symptoms persist. Never give an unconscious person water or other drink.

Inhalation

In case of discomfort: bring the person into fresh air.

Consult a doctor if you feel unwell.

Skin contact

Upon irritation: rinse with water. In the event of continued irritation, seek medical assistance.

Eye contact

Rinse gently with lukewarm water. Remove any contact lenses if this is easy to do. Continue rinsing. In case of persistent eye irritation or discomfort: Seek medical help.

Ingestion

Rinse and flush mouth thoroughly and consume large quantities of water. In case of continued discomfort: seek medical assistance and bring this safety data sheet.

Burns

Not applicable.

4.2. Most important symptoms and effects, both acute and delayed

Prolonged or repeated exposure may cause: Eczema-like skin problems (dermatitis).

4.3. Indication of any immediate medical attention and special treatment needed

Treat symptomatically.

Information to medics

Bring this safety data sheet or the label from this product.

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media: alcohol-resistant foam, carbon dioxide, powder, water mist.

5.2. Special hazards arising from the substance or mixture

Exposure to decomposition products may be hazardous to health. Closed containers exposed to fire should be cooled with water. Do not allow water used to extinguish the fire to run into drains or watercourses. In case of fire, the following harmful gases may be produced: Carbon dioxide (CO₂). Carbon monoxide (CO). Silicon dioxide. Metal oxides.

5.3. Advice for firefighters

Firefighters should use appropriate protective equipment.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Ensure adequate ventilation, especially in confined areas.

6.2. Environmental precautions

Avoid release to the environment. Do not discharge into waterways, sewer systems or drains. In the event of a major release to the sewer/water environment, local authorities should be informed.

6.3. Methods and material for containment and cleaning up

Contain and collect spillage with non-combustible, absorbent material e.g. sand, earth, vermiculite or diatomaceous earth and place in container for disposal according to local regulations.

Wherever possible cleaning should be performed with normal cleaning agents. Avoid use of solvents.

6.4. Reference to other sections

See section 13 "Disposal considerations" on handling of waste.

See section 8 "Exposure controls/personal protection" for protective measures.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Ensure good ventilation. Wash hands after handling.

Smoking, drinking and consumption of food is not allowed in the work area.

See section 8 "Exposure controls/personal protection" for information on personal protection.

7.2. Conditions for safe storage, including any incompatibilities

Recommended storage material

Always store in containers of the same material as the original container.

Storage conditions

Avoid contact with oxidising agents.

Keep the container tightly closed.

Incompatible materials

Oxidising agent.

7.3. Specific end use(s)

This product should only be used for applications quoted in section 1.2.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

Titanium dioxide; [in powder form containing 1% or more of particles with aerodynamic diameter $\leq 10 \mu\text{m}$]
 Long term exposure limit (8 hours) (mg/m^3): 10(inhalable)/4(respirable)

The Control of Substances Hazardous to Health Regulations 2002. SI 2002/2677 The Stationery Office 2002.
 EH40/2005 Workplace exposure limits (Fourth Edition 2020).

DNEL

Diisopropoxy-bis(etylacetoacetato)titanium

Duration:	Route of exposure:	DNEL:
Long term – Systemic effects - Workers	Inhalation	500 mg/m^3

Titanium dioxide; [in powder form containing 1% or more of particles with aerodynamic diameter $\leq 10 \mu\text{m}$]

Duration:	Route of exposure:	DNEL:
Long term – Local effects - General population	Inhalation	28 $\mu\text{g}/\text{m}^3$
Long term – Local effects - Workers	Inhalation	170 $\mu\text{g}/\text{m}^3$

PNEC

Diisopropoxy-bis(etylacetoacetato)titanium

Route of exposure:	Duration of Exposure:	PNEC:
Freshwater		100 $\mu\text{g}/\text{L}$
Freshwater sediment		81.6 $\mu\text{g}/\text{kg}$
Intermittent release (freshwater)		1 mg/L
Marine water		10 $\mu\text{g}/\text{L}$
Marine water sediment		8.2 $\mu\text{g}/\text{kg}$
Soil		19 $\mu\text{g}/\text{kg}$

8.2. Exposure controls

Compliance with the given occupational exposure limits values should be controlled on a regular basis.

General recommendations

Smoking, drinking and consumption of food is not allowed in the work area.

Exposure scenarios

There are no exposure scenarios implemented for this product.

Exposure limits

Professional users are subjected to the legally set maximum concentrations for occupational exposure. See occupational hygiene limit values above.

Appropriate technical measures

The formation of vapours must be kept at a minimum and below current limit values (see above). Installation of a local exhaust system if normal air flow in the work room is not sufficient is recommended. Ensure eyewash and emergency showers are clearly marked.

Apply standard precautions during use of the product. Avoid inhalation of vapours.

Hygiene measures

Wash hands after use.

Measures to avoid environmental exposure


Avoid release to the environment. Do not discharge into waterways, sewer systems or drains.

Individual protection measures, such as personal protective equipment


Generally

Use only UKCA marked protective equipment.

Respiratory Equipment

Work situation	Type	Class	Colour	Standards	
In case of inadequate ventilation	AX				


Skin protection

Recommended	Type/Category	Standards	
Dedicated work clothing should be worn.	-	-	

Hand protection

Work situation	Material	Glove thickness (mm)	Breakthrough time (min.)	Standards	
In the event of prolonged exposure or high concentrations	Butyl rubber	≤ 0,35	-	EN374	
In the event of prolonged exposure or high concentrations	Neoprene rubber	≤ 0,35	-	EN374	
In the event of prolonged exposure or high concentrations	Nitrile rubber	≤ 0,35	-	EN374	
In the event of prolonged exposure or high concentrations	Viton rubber (fluororubber)	≤ 0,35	-	EN374	
In the event of prolonged exposure or high concentrations	Polyethylene/ethylene vinyl alcohol (PE/EVA)	≤ 0,35	-	EN374	
In the event of prolonged exposure or high concentrations	Polyvinyl chloride (PVC)	≤ 0,35	-	EN374	

Eye protection

Work situation	Type	Standards	
When there is risk of splash- / intermittent exposure	Safety glasses with side shields.	EN166	

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state

Paste

Colour

White

Odour / Odour threshold

Alcohol odor

pH

No data available.

Density (g/cm³)

-

Relative density

1,45

Kinematic viscosity

No data available.

Particle characteristics

No data available.

Phase changes

Melting point/Freezing point (°C)

No data available.

Softening point/range (°C)

No data available.

Boiling point (°C)

No data available.

Vapour pressure

No data available.

Relative vapour density

No data available.

Decomposition temperature (°C)

No data available.

Data on fire and explosion hazards

Flash point (°C)

> 100 °C

Flammability (°C)

The material is not combustible.

Auto-ignition temperature (°C)

No data available.

Lower and upper explosion limit (% v/v)

No data available.

Solubility

Solubility in water

Insoluble

n-octanol/water coefficient (LogKow)

No data available.

Solubility in fat (g/L)

No data available.

9.2. Other information

Oxidizing properties

No data available.

Other physical and chemical parameters

No data available.

SECTION 10: Stability and reactivity

10.1. Reactivity

No data available.

10.2. Chemical stability

The product is stable under the conditions, noted in section 7 "Handling and storage".

10.3. Possibility of hazardous reactions

Reacts violently with strong oxidizing agents.

10.4. Conditions to avoid

None known.

10.5. Incompatible materials

Oxidising agent.

10.6. Hazardous decomposition products

Upon heating, toxic gases may be formed. Formaldehyde. Benzene. Isopropyl alcohol.

SECTION 11: Toxicological information

11.1. Information on hazard classes as defined in Regulation (EC) No 1272/2008 as retained and amended in UK law

Acute toxicity

Product/substance	Elastic
Route of exposure:	Dermal
Result:	> 2000 mg/kg

Product/substance	Elastic
Route of exposure:	Oral
Result:	> 5000 mg/kg

Product/substance	Titanium dioxide; [in powder form containing 1% or more of particles with aerodynamic diameter $\leq 10 \mu\text{m}$]
Species:	Rat
Route of exposure:	Inhalation
Test:	LC50 (4 hours)
Result:	> 6,82 mg/L

Product/substance	Diisopropoxy-bis(etylacetoacetato)titanium
Species:	Rat
Route of exposure:	Inhalation (dust/mist)
Test:	LC50 (4 hours)
Result:	> 198,65 mg/L

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

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 sensitisation

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

Skin sensitisation

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

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.

Symptoms related to the physical, chemical and toxicological characteristics

In case of skin contact: May cause sensitization in sensitive individuals.

In case of inhalation: Vapors may cause drowsiness and dizziness.

In case of eye contact: Splashes may cause temporary eye irritation.

11.2. Information on other hazards

Endocrine disrupting properties

This product does not contain any substances considered to be endocrine disruptors in accordance with the criteria set out in Commission Delegated Regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605.

Other information

-

SECTION 12: Ecological information

12.1. Toxicity

Product/substance

Titanium dioxide; [in powder form containing 1% or more of particles with aerodynamic diameter $\leq 10 \mu\text{m}$]

Species: Fish, *Leuciscus idus*

Duration: 48 hours

Test: NOEC

Result: $> 1000 \text{ mg/L}$

Product/substance

Titanium dioxide; [in powder form containing 1% or more of particles with aerodynamic diameter $\leq 10 \mu\text{m}$]

Species: Algae, *Pseudokirchneriella subcapitata*

Duration: 72 hours

Test: EC50

Result: $> 100 \text{ mg/L}$

Product/substance

Titanium dioxide; [in powder form containing 1% or more of particles with aerodynamic diameter $\leq 10 \mu\text{m}$]

Species: Crustacean, *Daphnia magna*

Duration: 48 hours

Test: EC50

Result: $> 1000 \text{ mg/L}$

Product/substance

Titanium dioxide; [in powder form containing 1% or more of particles with aerodynamic diameter $\leq 10 \mu\text{m}$]

Species: Bacteria

Duration: 3 hours

Test: EC50

Result: $> 1000 \text{ mg/L}$

Product/substance

Diisopropoxy-bis(ethylacetoacetato)titanium

Species: Fish

Duration: 96 hours

Test: LC50

Result: 4200 mg/L

Product/substance

Diisopropoxy-bis(ethylacetoacetato)titanium

Species: Algae, *Pseudokirchneriella subcapitata*

Duration: 72 hours

Test: EC50

Result: $> 100 \text{ mg/L}$

Product/substance

Diisopropoxy-bis(ethylacetoacetato)titanium

Species: Algae, *Pseudokirchneriella subcapitata*

Duration: 72 hours

Test: NOEC

Result: 100 mg/L

Product/substance

Diisopropoxy-bis(ethylacetoacetato)titanium

Species: Crustacean, Daphnia magna
 Duration: 48 hours
 Test: LC50
 Result: > 100 mg/L

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

12.2. Persistence and degradability

Product/substance Diisopropoxy-bis(ethylacetoacetato)titanium
 Duration: 28 days
 Result: 66 %
 Conclusion: -
 Test: OECD 301 D

12.3. Bioaccumulative potential

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

12.4. Mobility in soil

Diisopropoxydi(ethoxyacetoacetyl)titanate: Koc = 1.5

12.5. Results of PBT and vPvB assessment

This mixture/product does not contain any substances known to fulfil the criteria for PBT and vPvB classification.

12.6. Endocrine disrupting properties

This product does not contain any substances considered to be endocrine disruptors in accordance with the criteria set out in Commission Delegated Regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605.

12.7. Other adverse effects

None known.

SECTION 13: Disposal considerations

Waste treatment methods

Product is not covered by regulations on dangerous waste.
 Regulation (EU) No 1357/2014 of 18 December 2014 on waste as retained and amended in UK law.

EWC code

08 04 10 Waste adhesives and sealants other than those mentioned in 08 04 09

Specific labelling

Contaminated packing

Packaging containing residues of the product must be disposed of similarly to the product.

SECTION 14: Transport information

	14.1 UN / ID	14.2 UN proper shipping name	14.3 Hazard class(es)	14.4 PG*	14.5 Env**	Other information:
ADR/A DN/RID	-	-	-	-	-	-
IMDG	-	-	-	-	-	-
IATA	-	-	-	-	-	-

* Packing group

** Environmental hazards

Additional information

Not dangerous goods according to ADR/ADN/RID, IATA and IMDG.

14.6. Special precautions for user

Not applicable.

14.7. Maritime transport in bulk according to IMO instruments

No data available.

SECTION 15: Regulatory information

15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

Restrictions for application

No special.

Demands for specific education

No specific requirements.

Control of Major Accident Hazards (COMAH) - Categories / dangerous substances

Not applicable.

UK-REACH, Annex XVII

Diisopropoxy-bis(etylacetoacetato)titanium is subject to UK-REACH restrictions (entry 40).

Additional information

Not applicable.

Sources

Regulation (EU) No 1357/2014 of 18 December 2014 on waste as retained and amended in UK law.

Regulation (EC) No 1272/2008 on classification, labelling and packaging of substances and mixtures (CLP) as retained and amended in UK law.

Regulation (EC) No 1907/2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH) as retained and amended in UK law.

15.2. Chemical safety assessment

No

SECTION 16: Other information

Full text of H-phrases as mentioned in section 3

H226, Flammable liquid and vapour.

H319, Causes serious eye irritation.

H336, May cause drowsiness or dizziness.

Abbreviations and acronyms

ADN = European Provisions concerning the International Carriage of Dangerous Goods by Inland Waterway

ADR = The European Agreement concerning the International Carriage of Dangerous Goods by Road

ATE = Acute Toxicity Estimate

BCF = Bioconcentration Factor

CAS = Chemical Abstracts Service

CE = Conformité Européenne (European conformity)

CLP = Classification, Labelling and Packaging Regulation [Regulation (EC) No. 1272/2008]

CSA = Chemical Safety Assessment

CSR = Chemical Safety Report

DMEL = Derived Minimal Effect Level

DNEL = Derived No Effect Level

EC = Effective concentration

ED = Effective dose

EINECS = European Inventory of Existing Commercial chemical Substances

EL = Effective Loading

ErC = Concentration associated with x% growth rate response

ES = Exposure Scenario

EUH statement = CLP-specific Hazard statement

EuPCS = European Product Categorisation System

EWC = European Waste Catalogue

GHS = Globally Harmonized System of Classification and Labelling of Chemicals

GWP = Global warming potential

HP = Hazardous Property code

IARC = International Agency for Research on Cancer (IARC)

IATA = International Air Transport Association

IBC = Intermediate Bulk Container

IC = X maximum inhibitory concentration

IMDG = International Maritime Dangerous Goods

LC = Lethal concentration

LCLo = Value is the lowest concentration of a material in air reported to have caused the death of animals or humans

LD = Lethal dose

LOAEC = Lowest Observed Adverse Effect Concentration

LOAEL = Lowest Observed Adverse Effect Level

LOEC = Lowest Observed Effect Concentration

LogKow = logarithm of the n-octanol/water coefficient

LL = Lethal Loading

M = For multiplication factor

MARPOL = International Convention for the Prevention of Pollution From Ships, 1973 as modified by the Protocol of 1978. ("Marpol" = marine pollution)

NOAEC = No Observed Adverse Effect Concentration

NOAEL = No Observed Adverse Effect Level

NOEC = No Observed Effect Concentration

NOELR = No Observable Effect Loading Rate

OECD = Organisation for Economic Co-operation and Development

PBT = Persistent, Bioaccumulative and Toxic

PNEC = Predicted No Effect Concentration

RID = The Regulations concerning the International Carriage of Dangerous Goods by Rail

RRN = REACH Registration Number

SCL = A specific concentration limit

SVHC = Substances of Very High Concern

STOT-RE = Specific Target Organ Toxicity - Repeated Exposure

STOT-SE = Specific Target Organ Toxicity - Single Exposure

TWA = Time weighted average

UN = United Nations

UVBC = Unknown or variable composition, complex reaction products or of biological materials

VOC = Volatile Organic Compound

vPvB = Very Persistent and Very Bioaccumulative

Additional information

Not applicable.

The safety data sheet is validated by

Goodpoint

Other

A change (in proportion to the last essential change (first cipher in SDS version, see section 1)) is marked with a triangle.

The information in this safety data sheet applies only to this specific product (mentioned in section 1) and is not necessarily correct for use with other chemicals/products.

It is recommended to hand over this safety data sheet to the actual user of the product. Information in this safety data sheet cannot be used as a product specification.

Country-language: GB-en