

SAFETY DATA SHEET

according to Regulation (EC) No 1907/2006,
Regulation (EU) No 2015/830,
Regulation (EC) No 1272/2008



Fire retardant intumescent paint Stabiterm-219

Revision Date 23.07.2018

Version 1.0

EU / EN

SECTION 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/ UNDERTAKING

1.1 Product identifier

Trade name : Fire retardant intumescent paint Stabiterm-219 for steel structures, intumescent, water-based, weatherproof.

Chemical name : Not applicable.

CAS-No : Not applicable.

EC-No : Not applicable.

Registration number : Not applicable.

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

Use of the Substance/ : Paint.

Mixture

1.3 Details of the supplier of the safety data sheet

Company : LLC NPF Fire protection laboratory
Avtozavodskoye shosse (Avtozavodskoye Highway), 51,
Dzerzhinsk, Nizhniy Novgorod region, Russia, 606000

Telephone : +7(8313)23-00-11

E-mail address : info@stabiterm.ru

Only representative : Not applicable.

Telephone : Not applicable.

E-mail address : Not applicable.

1.4 Emergency telephone number

Austria: Poison Control Centre, Tel.: (+43)-1-406-43-43;

Belgium: Belgisch Antigifcentrum, Tel.: 070-245-245;

Croatia: Poison Control Centre, Tel: (+385)-1-23-48-342;

Czech Republic: Toxikologické informační středisko Tel.: (+420)-224-919-293,
(+420)-224-915-402;

Denmark: Poison Control Hotline, Tel.: (+45)-82-12-12-12;

Estonia: National emergency telephone number: 112 or Poison information telephone number: 16662, calling from abroad: (+372) 7943-794;

Finland: Poison Information Centre, Tel.: (09)-471-977 (direct) or (09)-4711;

France: ORFILA (INRS), Tel.: (+33)-(0)-1-45-42-59-59;

Hungary: Az Egészségügyi Toxikológiai Tájékoztató Szolgálat elérhetőségei,
Tel: (+36)-80-201-199;

Iceland : Landspítali - The National University Hospital of Iceland, Tel.: (+354) 543-1000 or 112;

Latvia: Valsts Toksikoloģijas centra Saindēšanās un zāļu informācijas centrs,
Tel.: (+371)-67042473;

Lithuania: Sveikatos apsaugos ministerijos ekstremalių sveikatai situacijų centras,
Tel.: (+370)-5-236-20-52;

Luxembourg: Belgian Poison Center, Tel.: (+352) 8002-5500;

Malta: Mater Dei Hospital, Tel: 2545-0000;

Kingdom of Norway: 113;

Sweden: Swedish Poisons Information Centre, Tel.: (+46) 10-456-6700 or 112.

Note: please, consult with your local/national competent authorities for the emergency number in your country.

SAFETY DATA SHEET

according to Regulation (EC) No 1907/2006,
Regulation (EU) No 2015/830,
Regulation (EC) No 1272/2008



Fire retardant intumescent paint Stabiterm-219

Revision Date 23.07.2018

Version 1.0

EU / EN

SECTION 2: HAZARDS IDENTIFICATION

2.1 Classification of the substance or mixture

Classification according to REGULATION (EC) No 1272/2008

The product does not need to be classified in accordance with REGULATION (EC) No 1272/2008.
Not a hazardous substance or mixture according to REGULATION (EC) No 1272/2008.

2.2 Label elements

Labeling according to REGULATION (EC) No 1272/2008

The product does not need to be labelled in accordance with REGULATION (EC) No 1272/2008.
Not a hazardous substance or mixture according to REGULATION (EC) No 1272/2008.

2.3 Other hazards

No data available.

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

The product is a mixture within the meaning of the REACH Regulation (1907/2006/EC).
The following table contains the main constituent at the top.

Chemical Name	Concentration, wt. %	CAS-No	EC-No / Registration number	Index-No	CLP
Styrene-acrylic dispersion	55	Absent	Absent	Absent	Not classified
Aluminium hydroxide	30	21645-51-2	244-492-7 / Not available	Not available	Not classified
Titanium dioxide	15	13463-67-7	236-675-5 / Not available	Not available	Not classified

SECTION 4: FIRST AID MEASURES

4.1 Description of first aid measures

- General advice : In the case of accident or if you feel unwell, seek medical advice immediately (show the label where possible). First aider needs to protect himself. Move out of dangerous area. Take off contaminated clothing and shoes immediately. Never give anything by mouth to an unconscious person.
- Inhalation : If breathed in, move person into fresh air. Keep patient warm and at rest. If symptoms persist, call a physician.
- Skin contact : In case of contact, immediately flush skin with soap and plenty of water. If symptoms persist, call a physician.
- Eye contact : Protect unharmed eye. If easy to do, remove contact lens, if worn. Rinse thoroughly with plenty of water. If symptoms persist, call a physician.
- Ingestion : Rinse mouth with water. Consult a physician, if you feel unwell.

4.2 Most important symptoms and effects, both acute and delayed

No data available.

4.3 Indication of any immediate medical attention and special treatment needed

No data available.

SAFETY DATA SHEET

according to Regulation (EC) No 1907/2006,
Regulation (EU) No 2015/830,
Regulation (EC) No 1272/2008



Fire retardant intumescent paint Stabiterm-219

Revision Date 23.07.2018

Version 1.0

EU / EN

SECTION 5: FIRE-FIGHTING MEASURES

5.1 Extinguishing Media

Suitable extinguishing media : Use dry sand, chemical foam, carbon dioxide,

5.2 Special hazards arising from the substance or mixture

Specific hazards : Hazardous decomposition products may be formed under fire conditions (see section 10). Exposure to decomposition products may be a hazard to health.

5.3 Advice fire fighters

Special protective equipment for fire-fighters : In the event of fire, wear self-contained breathing apparatus. Use personal protective equipment.

Further information : Standard procedure for chemical fires. Collect contaminated fire extinguishing water separately. This must not be discharged into drains. Fire residues and contaminated fire extinguishing water must be disposed of in accordance with local regulations.

SECTION 6: ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions, protective equipment and emergency procedure

Refer to protective measures listed in sections 7 and 8. Evacuate personnel to safe areas. Use personal protective equipment. Remove all sources of ignition. Avoid contact with skin and eyes. Ensure adequate ventilation, especially in confined areas. Avoid breath vapours.

6.2 Environmental precautions

Do not flush into surface water or sanitary sewer system. If the product contaminates rivers and lakes or drains inform respective authorities. Avoid release to the environment.

6.3 Methods and materials for containment and cleaning up

Prevent further leakage or spillage if safe to do so. Contain and collect spillage with non-combustible absorbent material, (e.g. sand, earth, diatomaceous earth, vermiculite) and place in container for disposal according to local regulations.

6.4 Reference to other sections

See Section 7, 8, 11, 12 and 13.

SECTION 7: HANDLING AND STORAGE

7.1 Precautions for safe handling

Advice on safe handling : For personal protection see section 8. Avoid contact with skin and eyes. Avoid breath vapours. Do not carry cloths that have come into contact with the product in your clothing. Handle with care.

Advice on protection against fire and explosion : Normal measures for preventive fire protection. Keep away from heat and sources of ignition.

7.2 Conditions for safe storage including any incompatibilities

Requirements for storage : Keep locked up or in an area accessible only to qualified or

SAFETY DATA SHEET

according to Regulation (EC) No 1907/2006,
Regulation (EU) No 2015/830,
Regulation (EC) No 1272/2008



Fire retardant intumescent paint Stabiterm-219

Revision Date 23.07.2018

Version 1.0

EU / EN

areas and containers authorized persons. Store in cool place. Keep container tightly closed in a dry and well-ventilated place. Store in hermetically sealed container.

Further information on : Avoid release moisture. Avoid heat (above 40 °C). Avoid low storage conditions temperature (lower 5 °C).

Advice on common storage : Keep away from food, drink and animal feeding stuffs. Do not store near acids and bases.

Storage period : 12 months.

Storage temperature : 5 – 40 °C

7.3 Specific end use(s) : No data available.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1 Control parameters

Components	CAS-No	Control parameters	Basis	Country
Aluminium hydroxide	21645-51-2	STEL: 10 mg/m ³ TWA: 5 mg/m ³	BGBI.I Nr 51/2011	Austria
Aluminium hydroxide	21645-51-2	MAK: 4 mg/m ³ MAK: 1.5 mg/m ³	DFG	Germany
Aluminium hydroxide	21645-51-2	STEL: 30 mg/m ³ STEL: 12 mg/m ³	S.I. No619 of 2001	Ireland
Aluminium hydroxide	21645-51-2	TWA: 6 mg/m ³	Regulation No325 with add.	Latvia
Aluminium hydroxide	21645-51-2	IPRD: 6 mg/m ³	Order V-824/A1-389	Lithuania
Aluminium hydroxide	21645-51-2	NDS: 2.5 mg/m ³ NDS: 1.2 mg/m ³	Dz.U. 2014 Nr. 0, 817 of June 6, 2014	Poland
Aluminium hydroxide	21645-51-2	TWA: 1.5 mg/m ³	Government Decree 300/2007	Slovak Republic
Titanium dioxide	13463-67-7	STEL: 10 mg/m ³ TWA: 5 mg/m ³	BGBI.I Nr 51/2011	Austria
Titanium dioxide	13463-67-7	TWA: 10 mg/m ³	MB 14.3.2002 with addendum	Belgium
Titanium dioxide	13463-67-7	TWA: 10.0 mg/m ³	Regulation Nr. 13	Bulgaria
Titanium dioxide	13463-67-7	TWA: 10 mg/m ³ TWA: 4 mg/m ³	HR-OEL	Croatia
Titanium dioxide	13463-67-7	TWA: 6 mg/m ³	Statutory Order No 507 17.05.2011 with add.	Denmark
Titanium dioxide	13463-67-7	TWA: 5 mg/m ³	Reg. No 293	Estonia
Titanium dioxide	13463-67-7	TWA: 10 mg/m ³	ED 984	France
Titanium dioxide	13463-67-7	TWA: 10 mg/m ³ TWA: 5 mg/m ³	Presidential Decrees 90/1999 with add., 212/2006, OEL 127/2000	Greece
Titanium dioxide	13463-67-7	TWA: 10 mg/m ³ TWA: 4 mg/m ³ STEL: 30 mg/m ³ STEL: 12 mg/m ³	S.I. No619 of 2001	Ireland
Titanium dioxide	13463-67-7	TWA: 10 mg/m ³	Regulation No325 with add.	Latvia
Titanium dioxide	13463-67-7	IPRD: 5 mg/m ³	Order V-824/A1-389	Lithuania
Titanium dioxide	13463-67-7	NDS: 10.0 mg/m ³	Dz.U. 2014 Nr. 0, 817 of June 6, 2014	Poland
Titanium dioxide	13463-67-7	VLE-MP: 10 mg/m ³	NP 1796:2014	Portugal
Titanium dioxide	13463-67-7	STEL: 15 mg/m ³ TWA: 10 mg/m ³	Governmental Decision 1218 from 06/09/2006, 1093 from 16/08/2006	Romania
Titanium dioxide	13463-67-7	VLA-ED: 10 mg/m ³	OEL for Spain, 2015	Spain
Titanium dioxide	13463-67-7	LLV: 5 mg/m ³	AFS 2005:17	Sweden

SAFETY DATA SHEET

according to Regulation (EC) No 1907/2006,
Regulation (EU) No 2015/830,
Regulation (EC) No 1272/2008



Fire retardant intumescent paint Stabiterm-219

Revision Date 23.07.2018

Version 1.0

EU / EN

Components	CAS-No	Control parameters	Basis	Country
Titanium dioxide	13463-67-7	STEL: 30 mg/m ³ STEL: 12 mg/m ³ TWA: 10 mg/m ³ TWA: 4 mg/m ³	EH40/2005	The United Kingdom

PNEC (Predicted No Effect Concentration)

PNEC aqua – freshwater : No data available.

PNEC aqua – marine water : No data available.

PNEC aqua – intermittent releases : No data available.

PNEC sediment – freshwater : No data available.

PNEC sediment – marine water : No data available.

PNEC soil : No data available.

PNEC STP : No data available.

DNEL (Derived No Effect Level)/DMEL (Derived Minimal Effect Level)

Worker

Long-term exposure systemic effects, inhalation

Aluminium hydroxide : 10.76 mg/m³

Long-term exposure local effects, inhalation

Aluminium hydroxide : 4.74 mg/m³

General population

Long-term exposure systemic effects, oral

Aluminium hydroxide : 94.8 mg/kg bw/day

8.2 Exposure controls

Engineering measures

Provide sufficient air exchange and/or exhaust in work rooms. Highly effective exhaust ventilation.

Personal protective equipment

Respiratory protection : Filter respirator ABEK-P.

Remarks : Use respirators and components tested and approved under appropriate government standards CEN (EU).

Hand protection : Protective gloves (rubber, polyethene).

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.

Eye protection : Protective goggles.

Remarks : Use equipment for eye protection tested and approved under appropriate government standards such as EN 166 (EU).

Skin and body protection : Protective clothes (cotton), rubber boots.

Remarks : Choose body protection according to the amount and

SAFETY DATA SHEET

according to Regulation (EC) No 1907/2006,
Regulation (EU) No 2015/830,
Regulation (EC) No 1272/2008



Fire retardant intumescent paint Stabiterm-219

Revision Date 23.07.2018

Version 1.0

EU / EN

concentration of the dangerous substance at the work place.

Hygiene measures : Handle in accordance with good industrial hygiene and safety practice.
General industrial hygiene practice.
Avoid breath vapours.
Avoid contact with skin, eyes and clothing.
When using do not eat, drink or smoke.
Wash hands before breaks and at the end of workday.
Follow the skin protection plan.
Wash contaminated clothing before re-use.

Environmental exposure controls
No data available.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties

Form	: Emulsion.
Colour	: Gray.
Odour	: No data available.
Odor threshold	: No data available.
Flash point	: No data available.
Lower explosion limit	: No data available.
Upper explosion limit	: No data available.
Explosive properties	: Non explosive.
Flammability	: Not flammable.
Oxidizing properties	: Non-oxidizing.
Self-ignition temperature	: No data available.
Melting point/range	: No data available.
Boiling point/boiling range	: No data available.
Vapor pressure	: No data available.
Density	: 1.30-1.40 kg/l.
Bulk density	: No data available.
Water solubility	: No data available.
Solubility in other solvents	: No data available.
Miscibility with water (15 °C)	: No data available.
Partition coefficient: n-octanol/water	: No data available.
pH	: No data available.
Viscosity, dynamic	: No data available.
Viscosity, kinematic	: No data available.
Relative vapor density	: No data available.
Evaporation rate	: No data available.
Decomposition temperature	: No data available.

9.2 Other information

No data available.

SECTION 10: STABILITY AND REACTIVITY

10.1 Reactivity

No data available.

SAFETY DATA SHEET

according to Regulation (EC) No 1907/2006,
Regulation (EU) No 2015/830,
Regulation (EC) No 1272/2008



Fire retardant intumescent paint Stabiterm-219

Revision Date 23.07.2018

Version 1.0

EU / EN

10.2 Chemical stability

No decomposition if stored and applied as directed.

10.3 Possibility of hazardous reactions

No data available.

10.4 Conditions to avoid

Moister, low temperature, heat.

10.5 Incompatible materials

Materials to avoid : Oxygen, bases, acids.

10.6 Hazardous decomposition products

Hazardous decomposition : Build-up of dangerous/toxic fumes possible in cases of products fire/high temperature: carbon oxide, carbon dioxide, nitric oxide, nitric dioxide.

Thermal decomposition : No data available.

SECTION 11: TOXICOLOGICAL INFORMATION

11.1 Information on toxicological effects

Acute toxicity

Acute oral toxicity

Styrene-acrylic dispersion : LD₅₀ (rat): > 5 000 mg/kg
Titanium dioxide : LD₅₀ (rat): > 2 000 mg/kg

Acute inhalation toxicity

Titanium dioxide : LC₅₀ (rat): 5.09 mg/l
Exposure time: 4h

Acute dermal toxicity

Styrene-acrylic dispersion : LD₅₀ (rat): > 5 000 mg/kg

Acute toxicity (other routes of administration)

No data available.

Skin corrosion / irritation

Skin irritation : Non-irritating.

Serious eye damage / eye irritation

Eye irritation : Non-irritating.

Sensitization of the respiratory / skin

Skin sensitization : Non skin sensitizing.

Respiratory sensitization : Non respiratory sensitizing.

Mutagenicity

No mutagenic effect.

Carcinogenicity

No carcinogenic effect.

Reproductive toxicity

SAFETY DATA SHEET

according to Regulation (EC) No 1907/2006,
Regulation (EU) No 2015/830,
Regulation (EC) No 1272/2008



Fire retardant intumescent paint Stabiterm-219

Revision Date 23.07.2018

Version 1.0

EU / EN

No reproductive effect.

Teratogenicity

No data available.

Specific target organ toxicity after single exposure

No data available.

Specific target organ toxicity after repeated exposure (sub-acute / sub-chronic)

Repeated dose toxicity: (sub-acute/ sub-chronic)

Aluminium hydroxide	:	NOAEC (sub- chronic; rat): 70 mg/m ³ Route of application: inhalation Exposure time: 5 days/week
Titanium dioxide	:	NOAEL (sub-chronic; rat): > 962 mg/kg bw/day Route of application: oral Exposure time: 92-93 days

Aspiration hazard

Not applicable.

Neurological effects

No data available.

Toxicology, metabolism, distribution

No data available.

SECTION 12: ECOLOGICAL INFORMATION

12.1 Toxicity

Toxicity to fish:

No data available.

Toxicity to daphnia and other aquatic invertebrates:

No data available.

Toxicity to aquatic plants:

Titanium dioxide	:	IC ₅₀ (Pseudokirchneriella subcapitata): > 100 mg/l Exposure time: 72 h
------------------	---	---

Long-term study fish/daphnia and other aquatic invertebrates/aquatic plants:

Titanium dioxide	:	NOEC (Oncorhynchus mykiss): ≥ 1.1 mg/l Exposure time: 14 days
Titanium dioxide	:	NOEC (Chironomus riparius): > 100 mg/l Exposure time: 28 days
Titanium dioxide	:	NOEC (Pseudokirchneriella subcapitata): ≥ 100 mg/l Exposure time: 72 days

12.2 Persistence and degradability

Biodegradability : No data available.

12.3 Bioaccumulation potential

No data available.

12.4 Mobility in soil

SAFETY DATA SHEET

according to Regulation (EC) No 1907/2006,
Regulation (EU) No 2015/830,
Regulation (EC) No 1272/2008



Fire retardant intumescent paint Stabiterm-219

Revision Date 23.07.2018

Version 1.0

EU / EN

No data available.

12.5 Results of PBT assessment and vPvB

Not PBT and no vPvB.

12.6 Other adverse effects

Additional ecological information : The product should not be allowed to enter drains, water courses or the soil.

SECTION 13: DISPOSAL CONSIDERATIONS

13.1 Waste treatment methods

Advice on disposal and packaging : Disposal:
In accordance with local and national regulations. Do not dispose of waste into sewer. This material and its container must be disposed of in a safe way. Do not dispose of together with household waste. Waste codes should be assigned by the user based on the application for which the product was used.

SECTION 14: TRANSPORT INFORMATION

ADR : Not dangerous goods.

RID : Not dangerous goods.

IATA : Not dangerous goods.

IMDG : Not dangerous goods.

Special precautions for the user

See Section 6, 7 and 8.

SECTION 15: REGULATORY INFORMATION

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

Special labelling of certain mixtures : Restricted to professional users.

Seveso Directive : Directive 2012/18/EU does not apply.
(2012/18/EU)

15.2 CSA

The Chemical Safety Assessment was not undertaken.

SECTION 16: OTHER INFORMATION

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 given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.