

Safety Data Sheet

Steelant® B

According to Regulation (EC) No 1907/2006
Revision date: 17.09.2019
Product code: 6900005972

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

1.1. Product identifier

Steelant®B

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

Use of the substance/mixture: Construction materials

1.3. Details of the supplier of the safety data sheet

Company name: SteelWall ISH GmbH
Street: Tassilostr. 21
Place: 82166 Gräfelfing, Germany
Telephone: +49-89-74 120 122
Telefax: +49-89-74 120 128
E-Mail: info@steelwall.eu
Internet: www.steelwall.eu

1.4. In case of emergency

Please contact your nearest poison center with the ingredients at hand!

Section 2: Hazards identification

2.1. Classification of the substance or mixture

According to Regulation (EC) No 1272/2008:

This mixture is not classified as hazardous in accordance with Regulation (EC) No 1272/2008.

2.2. Label elements

No information available.

2.3. Other hazards

No information available.

Section 3: Composition/information on ingredients

3.2. Mixtures

Chemical characterization: Mixture of bitumen, polymers, organic and inorganic components.

Hazardous components

CAS-No	Chemical name	Index-No	REACH-No	Quantity
1760-24-3	N-[3-(Trimethoxysilyl)propyl]ethylendiamin			0.1 - < 1 %
	217-164-6		01-2119970215-39	
	Acute Tox. 4, Eye Dam. 1, Skin Sens. 1; H332 H318 H317 (Full text of H and EUH statements: see section 16)			

Specific Conc. Limits, M-factors and ATE

CAS-No	EC No	Chemical name	Quantity
1760-24-3	217-164-6	N-[3-(Trimethoxysilyl)propyl]ethylendiamin	0.1 - < 1 %
		inhalation: ATE = 11 mg/l (vapours); inhalation: LC50 = 2 mg/l (dusts or mists); dermal: LD50 = >2000 mg/kg; oral: LD50 = >2000 mg/kg	

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Section 4: First aid measures

4.1. Description of first aid measures

General information : Burns caused by molten material must be treated clinically.
After inhalation: Provide fresh air.
After contact with skin: Wash with plenty of water. Take off contaminated clothing and wash it before reuse. After contact with skin, wash immediately with plenty of water and soap.
After contact with eyes: Rinse immediately carefully and thoroughly with eye-bath or water. After contact with the eyes, rinse with water with the eyelids open for a sufficient length of time, then consult an ophthalmologist immediately.
After ingestion: Rinse mouth immediately and drink plenty of water.

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

No information available.

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

Treat symptomatically.

Section 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media: Co-ordinate fire-fighting measures to the fire surroundings. Water mist, alcohol resistant foam, Carbon dioxide (CO₂) , Extinguishing powder
Unsuitable extinguishing media : Full water jet

5.2. Special hazards arising from the substance or mixture

Burning produces heavy smoke.

5.3. Advice for firefighters

In case of fire: Wear self-contained breathing apparatus.

Section 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

General advice: Personal protection equipment

6.2. Environmental precautions

Do not allow to enter into surface water or drains. No special environmental measures are necessary.

6.3. Methods and material for containment and cleaning up

Other information: Allow stiffening. Take up mechanically. Treat the recovered material as prescribed in the section on waste disposal.

6.4. Reference to other sections

Safe handling: see section 7! Personal protection equipment: see section 8! Disposal: see section 13!

Section 7: Handling and storage

7.1. Precautions for safe handling

Advice on safe handling : No special measures are necessary.
Advice on protection against fire and explosion: No special fire protection measures are necessary.
Advice on general occupational hygiene: Take off contaminated clothing. Wash hands before breaks and after work. When using do not eat, drink, smoke, sniff.

7.2. Conditions for safe storage, including any incompatibilities

Requirements for storage rooms and vessels: Keep container tightly closed.
Hints on joint storage: No special measures are necessary.
Storage class in accordance with TRGS 510: 11 (flammable solids, that cannot be assigned to any of the above storage classes)

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Section 8: Exposure controls/personal protection

8.1. Control parameters

Additional remarks to limit values: No national values have been set so far

8.2. Exposure controls

Individual protection measures, such as personal protective equipment



Eye/face protection:

Wear eye/face protection.

Hand protection:

When handling with chemical substances, protective gloves must be worn with the CE-label including the four control digits. The quality of the protective gloves resistant to chemicals must be chosen as a function of the specific working place concentration and quantity of hazardous substances. For special purposes, it is recommended to check the resistance to chemicals of the protective gloves mentioned above together with the supplier of these gloves.

Skin protection:

Use of protective clothing.

Respiratory protection:

In case of inadequate ventilation wear respiratory protection.

Section 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state: solid
Colour: black
Odour: low

Changes in the physical state

Melting point/freezing point:
Boiling point or initial boiling point
and boiling range:
Softening point:
Flash point:

Test method

Not determined
Not determined.
>80 °C DIN EN 1427
>230 °C

Flammability

Solid/liquid:
Gas:

Not determined
Not applicable

Explosive properties:

The product is not explosive.

Lower explosion limits:

Not determined

Upper explosion limits:

Not determined

Self-ignition temperature

Solid:
Gas:

Not determined
Not applicable

Decomposition temperature:

Not determined

pH-Value:

Not determined

Water solubility:

The study does not need to be conducted because the substance is known to be insoluble in water.

Solubility in other solvents:

Not determined

Partition coefficient n-octanol/water:

Not determined

Vapour pressure:

Not determined

Density (at 25 °C):

1.1 g/cm³

Relative vapour density:

Not determined

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9.2. Other information

Information with regard to physical hazard classes

Oxidizing properties: Not oxidising.

Other safety characteristics

Solid content: Not determined

Evaporation rate: Not determined

Section 10: Stability and reactivity**10.1. Reactivity**

No hazardous reaction when handled and stored according to provisions.

10.2. Chemical stability

The product is stable under storage at normal ambient temperatures.

10.3. Possibility of hazardous reactions

No known hazardous reactions.

10.4. Conditions to avoid

None

10.5. Incompatible materials

No information available.

10.6. Hazardous decomposition products

No known hazardous decomposition products.

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.

CAS No	Chemical name	Exposure route	Dose	Species	Source	Method
1760-24-3	N-[3-(Trimethoxysilyl)propyl]ethylendiamin	oral	LD50 >2000 mg/kg	Rat	SDB	
		dermal	LD50 >2000 mg/kg	Rat	SDB	
		inhalation vapour	ATE 11 mg/l			
		inhalation (4h) dust/mist	LC50 2 mg/l	Rat		

Irritation and corrosivity:

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

Sensitising effects:

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

Carcinogenic/mutagenic/

toxic effects for reproduction:

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 information on tests:

The mixture is classified as not hazardous according to regulation (EC) No 1272/2008 [CLP].

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Section 12: Ecological information

12.1. Toxicity

The product is not: Ecotoxic

CAS No	Chemical name	Dose	[h] [d]	Species	Source	Method
1760-24-3	N-[3-(Trimethoxysilyl)propyl]ethylendiamin					
	Acute fish toxicity	LC50 597 mg/l	96 h	Danio rerio (zebrafish)		
	Acute algae toxicity	ErC50 126 mg/l	72 h	Desmodesmus subspicatus		
	Acute crustacea toxicity	EC50 81 mg/l	48 h	Daphnia magna (Big water flea)		
	Crustacea toxicity	NOEC >1 mg/l	21 d	Daphnia magna (Big water flea)		

12.2. Persistence and degradability

The product has not been tested.

CAS No	Chemical name	Value	d	Source
1760-24-3	N-[3-(Trimethoxysilyl)propyl]ethylendiamin			
	DOC; Die Away Test - 92/69/EWG Teil C.4-A	39%	28	
	Not readily biodegradable (according to OECD criteria)			

12.3. Bioaccumulative potential

The product has not been tested.

12.4. Mobility in soil

The product has not been tested.

12.5. Results of PBT and vPvB assessment

The substances in the mixture do not meet the PBT/vPvB criteria according to REACH Appendix XIII. The product has not been tested.

12.6. Endocrine disrupting properties

This product does not contain a substance that has endocrine disrupting properties with respect to non-target organisms as no components meets the criteria.

12.7. Other adverse effects

No information available.

Further information: Avoid release to the environment.

Section 13: Disposal considerations

13.1. Waste treatment methods

Disposal recommendations: Dispose of waste according to applicable legislation.

List of Wastes Code - residues/unused products

170302 CONSTRUCTION AND DEMOLITION WASTES (INCLUDING EXCAVATED SOIL FROM CONTAMINATED SITES); bituminous mixtures, coal tar and tarred products; bituminous mixtures other than those mentioned in 17 03 01

List of Wastes Code - used product

170302 CONSTRUCTION AND DEMOLITION WASTES (INCLUDING EXCAVATED SOIL FROM CONTAMINATED SITES); bituminous mixtures, coal tar and tarred products; bituminous mixtures other than those mentioned in 17 03 01

Contaminated packaging: Completely emptied packages can be recycled.

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Section 14: Transport information**Land transport (ADR/RID)**

14.1. UN number or ID number:	UN 3257
14.2. UN proper shipping name:	Elevated temperature liquid, n.o.s. (Bitumen)
14.3. Transport hazard class(es):	9
14.4. Packing group:	III
Hazard label:	9
Classification code:	M9
Special Provisions:	274 643 668
Limited quantity:	0
Excepted quantity:	E0
Transport category:	3
Hazard No:	99
Tunnel restriction code:	D

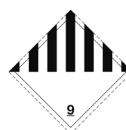


Other applicable information (land transport)

At <100 °C: No dangerous good in sense of these transport regulations.

Inland waterways transport (ADN)

14.1. UN number or ID number:	UN 3257
14.2. UN proper shipping name:	Elevated temperature liquid, n.o.s. (Bitumen)
14.3. Transport hazard class(es):	9
14.4. Packing group:	III
Hazard label:	9
Classification code:	M9
Special Provisions:	274 643 668
Limited quantity:	0
Excepted quantity:	E0



Other applicable information (inland waterways transport)

At <100 °C: No dangerous good in sense of these transport regulations.

Marine transport (IMDG)

14.1. UN number or ID number:	UN 3257
14.2. UN proper shipping name:	Elevated temperature liquid, n.o.s. (Bitumen)
14.3. Transport hazard class(es):	9
14.4. Packing group:	III
Hazard label:	9
Special Provisions:	232, 274
Limited quantity:	0
Excepted quantity:	E0
EmS:	F-A, S-P



Other applicable information (marine transport)

At <100 °C: No dangerous good in sense of these transport regulations.

Air transport (ICAO-TI/IATA-DGR)

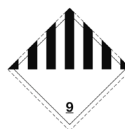
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Air transport (ICAO-TI/IATA-DGR)

14.1. UN number or ID number: UN 3257
14.2. UN proper shipping name: ELEVATED TEMPERATURE LIQUID, N.O.S. (Bitumen)
14.3. Transport hazard class(es): 9
14.4. Packing group: -
Hazard label: 9
Limited quantity Passenger: Forbidden
Passenger LQ: Forbidden
Excepted quantity: E0
IATA-packing instructions - Passenger: Forbidden
IATA-max. quantity - Passenger: Forbidden
IATA-packing instructions - Cargo: Forbidden
IATA-max. quantity - Cargo: Forbidden
Other applicable information (air transport)
At <100 °C: No dangerous good in sense of these transport regulations.

**14.5. Environmental hazards**

ENVIRONMENTALLY HAZARDOUS: No

14.6. Special precautions for user

No information available.

14.7. Maritime transport in bulk according to IMO instruments

Not applicable

Section 15: Regulatory information**15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture**

EU regulatory information

Information according to 2012/18/EU (SEVESO III): Not subject to 2012/18/EU (SEVESO III)

National regulatory information

Water hazard class (D): Non-hazardous to water

Status: Classification of mixtures according to Appendix, No 5 AwSV

15.2. Chemical safety assessment

Chemical safety assessments for substances in this mixture were not carried out.

Section 16: Other information**Abbreviations and acronyms**

CLP:	Classification, labelling and Packaging
REACH:	Registration, Evaluation and Authorization of Chemicals
GHS:	Globally Harmonised System of Classification, Labelling and Packaging of Chemicals
UN:	United Nations
CAS:	Chemical Abstracts Service
DNEL:	Derived No Effect Level
DMEL:	Derived Minimal Effect Level
PNEC:	Predicted No Effect Concentration
ATE:	Acute toxicity estimate
LC50:	Lethal concentration, 50%
LD50:	Lethal dose, 50%
LL50:	Lethal loading, 50%
EL50:	Effect loading, 50%
EC50:	Effective Concentration 50%
ErC50:	Effective Concentration 50%, growth rate
NOEC:	No Observed Effect Concentration
BCF:	Bio-concentration factor
PBT:	persistent, bioaccumulative, toxic
vPvB:	very persistent, very bioaccumulative
ADR:	Accord européen sur le transport des marchandises dangereuses par Route (European Agreement concerning the International Carriage of Dangerous Goods by Road)
RID:	Regulations concerning the international carriage of dangerous goods by rail
ADN:	European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways (Accord européen relatif au transport international des marchandises dangereuses par voies de navigation intérieures)
IMDG:	International Maritime Code for Dangerous Goods
EmS:	Emergency Schedules
MFAG:	Medical First Aid Guide
IATA:	International Air Transport Association
ICAO:	International Civil Aviation Organization
MARPOL:	International Convention for the Prevention of Marine Pollution from Ships
IBC:	Intermediate Bulk Container
SVHC:	Substance of Very High Concern

Relevant H and EUH statements (number and full text)

H317	May cause an allergic skin reaction.
H318	Causes serious eye damage.
H332	Harmful if inhaled.

Further Information

The information is based on the present level of our knowledge. It does not, however, give assurance of product properties and establishes no contract legal rights. The receiver of our product is singularly responsible for adhering to existing laws and regulations.

(The data for the hazardous ingredients were taken respectively from the last version of the sub-contractor's safety data sheet.)