

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

· **1.1 Product identifier**

· **Trade name:** INTRASIT BLK 180S

· **Article number:** 50270 B

· **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**

Water-soluble, waterproofing self-crosslinking siloxane for horizontal sealing of existing building structure

· **1.3 Details of the supplier of the safety data sheet**

· **Manufacturer/Supplier:**

Heinrich Hahne GmbH & Co. KG

Heinrich-Hahne-Weg 11

45711 Datteln

Tel.: 02363/5663-0

· **Further information obtainable from:**

Abteilung: Produktsicherheit

Tel.: 02363 5663-0

Email: info@hahne-bautenschutz.de

· **1.4 Emergency telephone number:**

Giftinformationszentrum Nord (GIZ Nord) Universität Göttingen,

Tel.: 0551-19240

SECTION 2: Hazards identification

· **2.1 Classification of the substance or mixture**

· **Classification according to Regulation (EC) No 1272/2008**



GHS02 flame

Flam. Liq. 3 H226 Flammable liquid and vapour.



GHS08 health hazard

STOT SE 2 H371 May cause damage to organs.



GHS05 corrosion

Eye Dam. 1 H318 Causes serious eye damage.



GHS09 environment

Aquatic Acute 1 H400 Very toxic to aquatic life.

Aquatic Chronic 1 H410 Very toxic to aquatic life with long lasting effects.



GHS07

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

· **Classification according to Directive 67/548/EEC or Directive 1999/45/EC Xn Harmful**

· **Information concerning particular hazards for human and environment:**

R 10 Flammable.

R 36 Irritating to eyes.

R 43 May cause sensitization by skin contact.

Trade name: INTRASIT BLK 180S

(Contd. of page 1)

R 68/20/21/22 Harmful: possible risk of irreversible effects through inhalation, in contact with skin and if swallowed.

R 50/53 Very toxic to aquatic organisms, may cause long-term adverse effects.

· **2.2 Label elements**

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

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

· **Hazard pictograms**



GHS02 GHS05 GHS07 GHS08 GHS09

· **Signal word Danger**

· **Hazard-determining components of labelling:**

(3-(2-Aminoethyl)amino)propyl, Methyl Silsesquioxanes, Methoxyterminated
N-(3-(trimethoxysilyl)propyl)ethylenediamine
trimethoxy(methyl)silane

· **Hazard statements**

H226 Flammable liquid and vapour.

H318 Causes serious eye damage.

H317 May cause an allergic skin reaction.

H371 May cause damage to organs.

H410 Very toxic to aquatic life with long lasting effects.

· **Precautionary statements**

P210 Keep away from heat/sparks/open flames/hot surfaces. - No smoking.

P260 Do not breathe dust/fume/gas/mist/vapours/spray.

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.

P304+P312 IF INHALED: Call a POISON CENTER or doctor/physician if you feel unwell.

P302+P352 IF ON SKIN: Wash with plenty of soap and water.

· **2.3 Other hazards**

· **Results of PBT and vPvB assessment**

· **PBT:** Not applicable.

· **vPvB:** Not applicable.

SECTION 3: Composition/information on ingredients

· **3.2 Chemical characterisation: Mixtures**













· **Description:** Water soluble alkoxy silane.

· **Dangerous components:**

CAS: 145775-27-5	(3-(2-Aminoethyl)amino)propyl, Methyl Silsesquioxanes, Methoxyterminated Xi R36; Xi R43; N R50/53 Flam. Liq. 3, H226; Aquatic Acute 1, H400; Aquatic Chronic 1, H410; Eye Irrit. 2, H319; Skin Sens. 1, H317	50-100%
CAS: 67-56-1 EINECS: 200-659-6	methanol T R23/24/25-39/23/24/25; F R11 Flam. Liq. 2, H225; Acute Tox. 3, H301; Acute Tox. 3, H311; Acute Tox. 3, H331; STOT SE 1, H370	< 2.5%

(Contd. on page 3)

Trade name: INTRASIT BLK 180S

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CAS: 1760-24-3 EINECS: 217-164-6	N-(3-(trimethoxysilyl)propyl)ethylenediamine  Xn R20;  Xi R41;  Xi R43;  N R51/53  Eye Dam. 1, H318;  Aquatic Chronic 2, H411;  Acute Tox. 4, H332; Skin Sens. 1, H317	2.5-10%
CAS: 1185-55-3 EINECS: 214-685-0	trimethoxy(methyl)silane  Xn R22;  Xi R43;  F R11  Flam. Liq. 2, H225;  Acute Tox. 4, H302; Skin Sens. 1, H317	2.5-10%

SECTION 4: First aid measures

- **4.1 Description of first aid measures**
- **After inhalation:**
Supply fresh air and to be sure call for a doctor.
In case of unconsciousness place patient stably in side position for transportation.
- **After skin contact:** Immediately wash with water and soap and rinse thoroughly.
- **After eye contact:**
Rinse opened eye for several minutes under running water. If symptoms persist, consult a doctor.
- **After swallowing:** Drink plenty of water and provide fresh air. Call for a doctor immediately.
- **4.2 Most important symptoms and effects, both acute and delayed** No further relevant information available.
- **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:**
Carbon dioxide, foam, dry powder, water. Fire exposed containers may be cooled with water spray.
- **5.2 Special hazards arising from the substance or mixture**
During the withdrawal of the product from the container can form electrostatic charges.
Grounding regulations.
- **5.3 Advice for firefighters**
- **Protective equipment:**
Wear of A self-contained breathing apparatus and protective clothing. Containers with water spray until well after the fire is out. Repossessions / isolate the set. The local emergency plan should be noted.
- **Additional information**
Notification status: A II
Thermal decomposition of the product during fire or very high heat conditions may evolve the following decomposition products: Silica. Carbon dioxide and Spruren specifics of exposure. In the thermal degradation is Formaldehyde. Nitrogen compound.

SECTION 6: Accidental release measures

- **6.1 Personal precautions, protective equipment and emergency procedures**
Wear protective equipment. Keep unprotected persons away.
- **6.2 Environmental precautions:** Do not allow to enter sewers/ surface or ground water.
- **6.3 Methods and material for containment and cleaning up:**
Foreclosures / possible ignition sources. The local emergency plan must be observed. Any possible sources of ignition must be avoided. If diked material can be pumped into a drip tray. Wipe up with absorbent material, wipe or vacuum up and place in a container with a lid. The spilled product produces an extremely slippery.
- **6.4 Reference to other sections**
See Section 7 for information on safe handling.
See Section 8 for information on personal protection equipment.

(Contd. on page 4)

Trade name: INTRASIT BLK 180S

See Section 13 for disposal information.

(Contd. of page 3)

SECTION 7: Handling and storage

- **7.1 Precautions for safe handling**
General ventilation is recommended. Do not inhale fumes. Eye and hand contact.
- **Information about fire - and explosion protection:**
Keep ignition sources away - Do not smoke.
Protect against electrostatic charges.
- **7.2 Conditions for safe storage, including any incompatibilities**
- **Storage:**
- **Requirements to be met by storerooms and receptacles:**
Store in a flameproof, well ventilated area.
Keep away from heat and direct sunlight.
Vapors may form explosive Gemlische.
- **Information about storage in one common storage facility:** Not required.
- **Further information about storage conditions:** Keep container tightly sealed.
- **7.3 Specific end use(s)** No further relevant information available.

SECTION 8: Exposure controls/personal protection

- **Additional information about design of technical facilities:** No further data; see item 7.

- **8.1 Control parameters**

- **Ingredients with limit values that require monitoring at the workplace:**

67-56-1 methanol (< 2.5%)

WEL	Short-term value: 333 mg/m ³ , 250 ppm
	Long-term value: 266 mg/m ³ , 200 ppm
	Sk

145775-27-5 (3-(2-Aminoethyl)amino)propyl, Methyl Silsesquioxanes, Methoxyterminated (50-100%)

200 ppm TRGS 900 TWA as methanol

1760-24-3 N-(3-(trimethoxysilyl)propyl)ethylenediamine (2.5-10%)

200 ppm TWA as methanol

270 mg / m³ TWA as methanol

1185-55-3 trimethoxy(methyl)silane (2.5-10%)

50 ppm (8h TWA)

- **Additional information:** The lists valid during the making were used as basis.

- **8.2 Exposure controls**

- **Personal protective equipment:**

- **General protective and hygienic measures:**

Keep away from foodstuffs, beverages and feed.
Immediately remove all soiled and contaminated clothing
Wash hands before breaks and at the end of work.
Avoid contact with the eyes.
Avoid contact with the eyes and skin.

- **Respiratory protection:**

With good ventilation is not required.

A respirator with cartridge filter for organic vapors / dust must be used when aerosol or mist may be generated, eg during spraying or similar applications. If the product is used in large quantities, in confined spaces or other circumstances where the OEL may be approached or exceeded this, appropriate respiratory protection should be used. Depending on the working conditions, wear a respiratory mask with filter (s) shall bear AXP or external self-contained breathing apparatus.

The choice of a type of filter depends on the amount and type of chemical, which is handled in the workplace.

(Contd. on page 5)

Trade name: INTRASIT BLK 180S

(Contd. of page 4)

Call for information about filtering properties, respiratory protection supplier.

· **Protection of hands:**

Protective gloves

The glove material has to be impermeable and resistant to the product/ the substance/ the preparation.

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

· **Material of gloves**

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.

Recommendation: Protective gloves made of rubber or nitrile rubber.

· **Penetration time of glove material**

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

· **Eye protection:** Tightly sealed goggles

· **Body protection:** Wear impervious overalls.

SECTION 9: Physical and chemical properties

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

· **General Information**

· **Appearance:**

Form: Fluid

Colour: colorless

· **Odour:** Characteristic

· **Change in condition**

Melting point/Melting range: Undetermined.

Boiling point/Boiling range: >100 °C

· **Flash point:** 27 °C

· **Danger of explosion:** Vapors may form an explosive mixture with air.

· **Density:**

Relative density at 20 °C 1.05 g/cm³

· **Solubility in / Miscibility with**

water: Fully miscible.

· **9.2 Other information** No further relevant information available.

SECTION 10: Stability and reactivity

· **10.3 Possibility of hazardous reactions** Can react with strong oxidizing agents.

· **10.4 Conditions to avoid** Can react with strong oxidizing agents. This product releases methanol.

· **10.5 Incompatible materials:** No further relevant information available.

· **10.6 Hazardous decomposition products:**

Thermal decomposition of the product during fire or very high heat conditions may evolve the following decomposition products: Silica. Carbon dioxide and Spruren specifics of exposure. In the thermal degradation is Formaldehyde. Nitrogen compound.

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(Contd. on page 6)

Trade name: INTRASIT BLK 180S

(Contd. of page 5)

SECTION 11: Toxicological information

· **11.1 Information on toxicological effects**

· **Acute toxicity:**

· **Primary irritant effect:**

· **on the skin:** Repeated exposure may cause sensitization or allergic dermatitis.

· **on the eye:** Irritating effect.

· **Sensitisation:** Sensitisation possible through skin contact.

· **Other information (about experimental toxicology):** Harmful if swallowed.

· **Additional toxicological information:**

When the product in the presence of air is heated to 150 °C, small amounts of formaldehyde vapors are released. Formaldehyde vapor air concentrations <1 ppm harmful by inhalation and irritating to eyes and respiratory system.

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 hydrolyzed in the presence of water or humidity, releasing methanol and organosilicon compounds.

Siloxanes are removed from water by sedimentation or binding to sewage sludge.

Siloxanes are degraded in the soil.

· **12.3 Bioaccumulative potential** No further relevant information available.

· **12.4 Mobility in soil** No further relevant information available.

· **Ecotoxicological effects:**

· **Remark:**

Not expected to have adverse effects on aquatic organisms.

No potential for bioaccumulation.

· **Remark:** Not expected to have adverse effects on bacteria.

· **Additional ecological information:**

· **General notes:**

Water hazard class 2 (German Regulation) (Self-assessment): hazardous for water

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

Danger to drinking water if even small quantities leak into the ground.

· **12.5 Results of PBT and vPvB assessment**

· **PBT:** Not applicable.

· **vPvB:** Not applicable.

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

SECTION 13: Disposal considerations

· **13.1 Waste treatment methods**

· **Recommendation**

Must not be disposed together with household garbage. Do not allow product to reach sewage system.

· **European waste catalogue**

08 04 09	waste adhesives and sealants containing organic solvents or other dangerous substances
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· **Uncleaned packaging:**

· **Recommendation:** Disposal must be made according to official regulations.

(Contd. on page 7)

Printing date 26.05.2015




Revision: 26.05.2015

Trade name: **INTRASIT BLK 180S**

· **Recommended cleansing agents:** Water, if necessary together with cleansing agents.

(Contd. of page 6)

SECTION 14: Transport information

<ul style="list-style-type: none"> · 14.1 UN-Number · ADR, IMDG, IATA 	UN1139
<ul style="list-style-type: none"> · 14.2 UN proper shipping name · ADR · IMDG · IATA 	1139 COATING SOLUTION (not viscous) COATING SOLUTION, MARINE POLLUTANT COATING SOLUTION
<ul style="list-style-type: none"> · 14.3 Transport hazard class(es) · ADR, IMDG 	<div style="display: flex; align-items: center; gap: 10px;">   </div> <p>· Class 3 Flammable liquids. · Label 3</p>
<ul style="list-style-type: none"> · IATA 	<div style="display: flex; align-items: center; gap: 10px;">  </div> <p>· Class 3 Flammable liquids. · Label 3</p>
<ul style="list-style-type: none"> · 14.4 Packing group · ADR, IMDG, IATA 	III
<ul style="list-style-type: none"> · 14.5 Environmental hazards: · Marine pollutant: · Special marking (ADR): 	Symbol (fish and tree) Symbol (fish and tree)
<ul style="list-style-type: none"> · 14.6 Special precautions for user · Danger code (Kemler): · EMS Number: 	Warning: Flammable liquids. 30 F-E, <u>S-E</u>
<ul style="list-style-type: none"> · 14.7 Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code 	Not applicable.
<ul style="list-style-type: none"> · Transport/Additional information: 	<hr style="border-top: 1px dashed black;"/> <ul style="list-style-type: none"> · ADR · Limited quantities (LQ) 5L · Transport category 3 · Tunnel restriction code D/E
<ul style="list-style-type: none"> · UN "Model Regulation": 	UN1139, COATING SOLUTION (not viscous), 3, III

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(Contd. on page 8)

Trade name: INTRASIT BLK 180S

(Contd. of page 7)

SECTION 15: Regulatory information

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

· **National regulations:**

· **Technical instructions (air):**

Class	Share in %
I	2.0

· **Waterhazard class:** Water hazard class 2 (Self-assessment): hazardous for water.

· **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**

H225 Highly flammable liquid and vapour.

H226 Flammable liquid and vapour.

H301 Toxic if swallowed.

H302 Harmful if swallowed.

H311 Toxic in contact with skin.

H317 May cause an allergic skin reaction.

H318 Causes serious eye damage.

H319 Causes serious eye irritation.

H331 Toxic if inhaled.

H332 Harmful if inhaled.

H370 Causes damage to organs.

H400 Very toxic to aquatic life.

H410 Very toxic to aquatic life with long lasting effects.

H411 Toxic to aquatic life with long lasting effects.

R11 Highly flammable.

R20 Harmful by inhalation.

R22 Harmful if swallowed.

R23/24/25 Toxic by inhalation, in contact with skin and if swallowed.

R36 Irritating to eyes.

R39/23/24/25 Toxic: danger of very serious irreversible effects through inhalation, in contact with skin and if swallowed.

R41 Risk of serious damage to eyes.

R43 May cause sensitisation by skin contact.

R50/53 Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

R51/53 Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

· **Abbreviations and acronyms:**

RID: Règlement international concernant le transport des marchandises dangereuses par chemin de fer (Regulations Concerning the International Transport of Dangerous Goods by Rail)

ICAO: International Civil Aviation Organisation

ADR: Accord européen sur le transport 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)

Flam. Liq. 2: Flammable liquids, Hazard Category 2

Flam. Liq. 3: Flammable liquids, Hazard Category 3

(Contd. on page 9)

Safety data sheet
according to 1907/2006/EC, Article 31

Printing date 26.05.2015

Revision: 26.05.2015

Trade name: INTRASIT BLK 180S

Acute Tox. 3: Acute toxicity, Hazard Category 3
Acute Tox. 4: Acute toxicity, Hazard Category 4
Eye Dam. 1: Serious eye damage/eye irritation, Hazard Category 1
Eye Irrit. 2: Serious eye damage/eye irritation, Hazard Category 2
Skin Sens. 1: Sensitisation - Skin, Hazard Category 1
STOT SE 1: Specific target organ toxicity - Single exposure, Hazard Category 1
STOT SE 2: Specific target organ toxicity - Single exposure, Hazard Category 2
Aquatic Acute 1: Hazardous to the aquatic environment - Acute Hazard, Category 1
Aquatic Chronic 1: Hazardous to the aquatic environment - Chronic Hazard, Category 1
Aquatic Chronic 2: Hazardous to the aquatic environment - Chronic Hazard, Category 2

(Contd. of page 8)

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