

**Safety Data Sheet**

according to Regulation (EC) No 1907/2006

BIGUMA- SV

Revision date: 17.09.2019

Product code: 6900001374

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SECTION 1: Identification of the substance/mixture and of the company/undertaking**1.1. Product identifier**

BIGUMA- SV

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:	Dortmunder Gußasphalt GmbH & Co. KG	
Street:	Am Hafengebäude 10	
Place:	D-44147 Dortmund	
Telephone:	+49 231 3957970	Telefax: +49 231 39579770
e-mail:	info@dga.de	
Contact person:	Dr. Heimann	
e-mail:	info-sdb@dga.de	
Internet:	www.dga.de	
Responsible Department:	Labor	

1.4. Emergency telephone

+49 (0) 6131 19240

number:24h Notfallauskunft bei Vergiftungen:
Giftinformationszentrum Mainz**SECTION 2: Hazards identification****2.1. Classification of the substance or mixture****Regulation (EC) No. 1272/2008**

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

2.2. Label elements**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.

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.

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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 measures**

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.

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.

SECTION 8: Exposure controls/personal protection

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8.1. Control parameters**Exposure limits (EH40)**

CAS No	Substance	ppm	mg/m ³	fibres/ml	Category	Origin
8052-42-4	Asphalt, petroleum fumes	-	5		TWA (8 h)	WEL
		-	10		STEL (15 min)	WEL
1317-65-3	Calcium carbonate, respirable	-	4		TWA (8 h)	WEL

8.2. Exposure controls**Protective and hygiene measures**

Take off contaminated clothing. Wash hands before breaks and after work. When using do not eat, drink, smoke, sniff.

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: schwarz
Odour: schwach

Test method

pH-Value: not determined

Changes in the physical state

Melting point: not determined

Boiling point or initial boiling point and boiling range: not determined

Softening point: >80 °C DIN EN 1427

Flash point: >230 °C

Flammability

Solid/liquid: not determined

Gas: not applicable

Explosive properties

The product is not: Explosive.

Lower explosion limits: not determined

Upper explosion limits: not determined

Self-ignition temperature

Solid: not determined

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Gas: not applicable
Decomposition temperature: not determined

Oxidizing properties

Not oxidising.

Vapour pressure: not determined

Density (at 25 °C): 1,1 g/cm³

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

Relative vapour density: not determined

Evaporation rate: not determined

9.2. Other information

Solid content: 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.

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.

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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].

SECTION 12: Ecological information**12.1. Toxicity**

The product is not: Ecotoxic.

12.2. Persistence and degradability

The product has not been tested.

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 product has not been tested.

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.

SECTION 14: Transport information**Land transport (ADR/RID)****14.1. UN 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

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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: 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



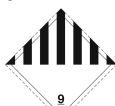
Classification code: M9
 Special Provisions: 274 643 668
 Limited quantity: 0
 Excepted quantity: E0

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: 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



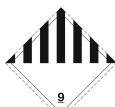
Special Provisions: 232, 274
 Limited quantity: 0
 Excepted quantity: E0
 EmS: F-A, S-P

Other applicable information (marine transport)

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

Air transport (ICAO-TI/IATA-DGR)

14.1. UN 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

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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

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

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(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

For abbreviations and acronyms, see table at <http://abbrev.esdscom.eu>

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.)



Bituminous, hot-applied joint sealant for clutches of steel sheet piles

Use

Hot-applied joint sealant for sealing clutches of steel sheet piles before erecting and fitting the steel sheetpiles especially in sandy foundations.

Properties

BIGUMA[®]- SV is a bituminous, hot-applied joint sealant plasticised with additives. BIGUMA[®]- SV shows high adhesive strength and can be applied without problems. The steel sheet piles can be processed directly after the joint sealant has cooled (approx. 1 hour).

Application instructions

a) Melting

Melting has to take place in such a way that the sealant is never heated above the maximum allowed temperature of 190 °C. For this purpose a heater should be used equipped with mechanical agitation, thermometer and indirect thermal oil heating.

When using a roofer heater, you have to take care that the sealant is regularly stirred and the temperature is controlled. Overheating of the sealing compound leads to an impairment of the quality.

b) Foundation

The clutches of the steel sheet piles must be dry, clean and free from dust. Scale and rust must be re-moved by sandblasting.

c) Sealing of steel sheet pile clutches

After melting, the clutches are filled with the sealant using a sealing lance or by hand with suitable equipment. The steel sheet pile should be placed flat, if possible, horizontal, with a temporary plug at each end to avoid sealant running out. After sealing, the sealant must be allowed to cool. Afterwards the sheet piles can be used.

Material consumption

BIGUMA[®]- SV: $\text{length of steel sheet pile (cm)} \times \text{width of clutch (cm)} \times \text{depth of clutch (cm)} \times \text{specific gravity of seal-ant (g/cm}^3\text{)} = \text{consumption (g)}$

Storage

The product has to be stored cold and dry and is storable for at least 24 months.

Form of supply

The joint sealant will be filled into thin metal tins (hobbocks) and transported on non returnable pallets. A separation agent coating and the welted type of the hobbocks guarantee a fast, problem-free and safe removal of the mass out of the tin. The removed blocks can be filled into the heater together with the probably still adherent separation agent coating. Alternatively the joint sealant is available in silicone coated cartons.

Carton:	10 kg
Metal tins:	26 kg, 10 kg

Cleaning agent

Equipment:	BIGUMA®- SWS, petrol and commercial solvents
At skin contact:	hand washing paste

Technical data

Application temperature:	approx. 160 - 180 °C
Density:	approx. 1,0 g/cm ³
Primer:	not necessary

This product information corresponds to our latest available information. The processor is obliged to test the suitability and application options for the intended purpose. We shall be pleased to advise if you have any questions about our product. Our Terms and Conditions of Business apply, which can be found at www.dga.de.