

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

Printing date 21.03.2023

Version number 2 (replaces version 1)

Revision: 21.03.2023

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

- **1.1 Product identifier**
- **Trade name** **VORANSTRICH UND SILOLACK BVS 300**
- **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**  
Bitumen coating  
Silo coating  
Lacquer
- **1.3 Details of the supplier of the safety data sheet**
- **Manufacturer/Supplier:**  
MUREXIN GmbH  
Franz v. Furtenbachstr. 1  
A-2700 Wiener Neustadt  
Tel.: +43 (0)2622/27401
- **Informing department:** chemikalieninfo@murexin.com
- **1.4 Emergency telephone number:**  
UK National poisons Emergency number.: +44 (0) 870 600 6266

### SECTION 2: Hazards identification

- **2.1 Classification of the substance or mixture**
- **Classification according to Regulation (EC) No 1272/2008**



flame

Flam. Liq. 3 H226 Flammable liquid and vapour.



health hazard

Asp. Tox. 1 H304 May be fatal if swallowed and enters airways.



STOT SE 3 H336 May cause drowsiness or dizziness.

- **2.2 Label elements**
- **Labelling according to Regulation (EC) No 1272/2008**  
The product is classified and labelled according to the GB CLP regulation.
- **Hazard pictograms**



GHS02 GHS07 GHS08

- **Signal word** Danger
- **Hazard-determining components of labelling:**  
Kohlenwasserstoffe (C9-C11, n-Alkane, Isoalkane, Cycloalkane, Aromaten (<2%))
- **Hazard statements**  
H226 Flammable liquid and vapour.  
H336 May cause drowsiness or dizziness.  
H304 May be fatal if swallowed and enters airways.
- **Precautionary statements**  
P101 If medical advice is needed, have product container or label at hand.

(Contd. on page 2)

## Safety data sheet

### according to 1907/2006/EC, Article 31

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Version number 2 (replaces version 1)

Revision: 21.03.2023

Trade name **VORANSTRICH UND SILOLACK BVS 300**

(Contd. of page 1)

- P102 Keep out of reach of children.  
 P103 Read carefully and follow all instructions.  
 P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.  
 P260 Do not breathe mist/vapours/spray.  
 P280 Wear protective gloves/protective clothing/eye protection/face protection.  
 P303+P361+P353 IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water [or shower].  
 P312 Call a POISON CENTER/doctor if you feel unwell.  
 P501 Dispose of contents/container in accordance with local/regional/national/international regulations.

- **Additional information:**

- EUH066 Repeated exposure may cause skin dryness or cracking.

- **2.3 Other hazards**

- **Results of PBT and vPvB assessment**

- **PBT:** Not applicable.




- **vPvB:** Not applicable.

### SECTION 3: Composition/information on ingredients

- **3.2 Mixtures**

- **Description:** Mixture consisting of the following components with harmless additives.

- **Dangerous components:**

CAS: 8052-42-4 EINECS: 232-490-9	Asphalt substance with a Community workplace exposure limit	25-50%
EC number: 919-857-5 Reg.nr.: 2119463258-33	Kohlenwasserstoffe (C9-C11, n-Alkane, Isoalkane, Cycloalkane, Aromaten (<2%))  Flam. Liq. 3, H226  Asp. Tox. 1, H304  STOT SE 3, H336	25-50%

### SECTION 4: First aid measures

- **4.1 Description of first aid measures**

- **General information**

- Instantly remove any clothing soiled by the product.

- Take affected persons out of danger area and instruct to lie down.

- **After inhalation** Supply fresh air; consult doctor in case of symptoms.

- **After skin contact**

- Instantly wash with water and soap and rinse thoroughly.

- If skin irritation continues, consult a doctor.

- **After eye contact** Rinse opened eye for several minutes under running water. Then consult doctor.

- **After swallowing**

- Do not induce vomiting; instantly call for medical help.

- Rinse mouth thoroughly with water. Do not give anything to eat or drink.

- **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.

GB

(Contd. on page 3)

## Safety data sheet

### according to 1907/2006/EC, Article 31

Printing date 21.03.2023

Version number 2 (replaces version 1)

Revision: 21.03.2023

Trade name VORANSTRICH UND SILOLACK BVS 300

(Contd. of page 2)

#### SECTION 5: Firefighting measures

- **5.1 Extinguishing media**
- **Suitable extinguishing agents**  
CO<sub>2</sub>, extinguishing powder or water jet. Fight larger fires with water jet or alcohol-resistant foam.  
Use fire fighting measures that suit the environment.
- **For safety reasons unsuitable extinguishing agents** Water with a full water jet.
- **5.2 Special hazards arising from the substance or mixture**  
Formation of toxic gases is possible during heating or in case of fire.  
Can be released in case of fire  
Carbon monoxide (CO)  
Nitrogen oxides (NO<sub>x</sub>)
- **5.3 Advice for firefighters**
- **Protective equipment:**  
Wear self-contained breathing apparatus.  
Wear full protective suit.
- **Additional information**  
Collect contaminated fire fighting water separately. It must not enter drains.  
Dispose of fire debris and contaminated fire fighting water in accordance with official regulations.

#### SECTION 6: Accidental release measures

- **6.1 Personal precautions, protective equipment and emergency procedures**  
Put on breathing apparatus.  
Wear protective equipment. Keep unprotected persons away.  
Keep away from ignition sources  
Ensure adequate ventilation
- **6.2 Environmental precautions:**  
Do not allow product to reach sewage system or water bodies.  
Do not allow to enter the ground/soil.  
Inform respective authorities in case product reaches water or sewage system.
- **6.3 Methods and material for containment and cleaning up:**  
Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).  
Dispose of contaminated material as waste according to item 13.  
Ensure adequate ventilation.
- **6.4 Reference to other sections**  
See Section 7 for information on safe handling  
See Section 8 for information on personal protection equipment.  
See Section 13 for information on disposal.

#### SECTION 7: Handling and storage

- **7.1 Precautions for safe handling**  
Keep containers tightly sealed.  
Keep away from heat and direct sunlight.  
Ensure good ventilation/exhaustion at the workplace.  
Prevent formation of aerosols.  
Avoid splashes or spray in enclosed areas.
- **Information about protection against explosions and fires:**  
Keep ignition sources away - Do not smoke.  
Fumes can combine with air to form an explosive mixture.  
Protect against electrostatic charges.  
Keep breathing equipment ready.

(Contd. on page 4)

GB

## Safety data sheet

### according to 1907/2006/EC, Article 31

Printing date 21.03.2023

Version number 2 (replaces version 1)

Revision: 21.03.2023

Trade name **VORANSTRICH UND SILOLACK BVS 300**

(Contd. of page 3)

- **7.2 Conditions for safe storage, including any incompatibilities**
- **Storage**
- **Requirements to be met by storerooms and containers:** Store only in the original container.
- **Information about storage in one common storage facility:**  
Store away from foodstuffs.  
Store away from oxidising agents.
- **Further information about storage conditions:** Keep container tightly sealed.
- **Storage class 3**
- **7.3 Specific end use(s)** No further relevant information available.

## SECTION 8: Exposure controls/personal protection

### · 8.1 Control parameters

- **Components with critical values that require monitoring at the workplace:**

#### 8052-42-4 Asphalt

WEL	Short-term value: 10 mg/m <sup>3</sup> Long-term value: 5 mg/m <sup>3</sup>
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- **Additional information:** The lists that were valid during the compilation were used as basis.

### · 8.2 Exposure controls

- **Appropriate engineering controls** No further data; see item 7.
- **Individual protection measures, such as personal protective equipment**
- **General protective and hygienic measures**  
The usual precautionary measures should be adhered to in handling the chemicals.  
Do not eat, drink or smoke while working.  
Keep away from foodstuffs, beverages and food.  
Instantly remove any soiled and impregnated garments.  
Avoid contact with the eyes and skin.  
Wash hands during breaks and at the end of the work.  
Store protective clothing separately.
- **Breathing equipment:**  
Filter A/P2.  
Use breathing protection in case of insufficient ventilation.
- **Hand protection**  
Protective gloves.  
The glove material has to be impermeable and resistant to the product/ the substance/ the preparation.  
DIN EN 374
- **Material of gloves**  
Nitrile rubber, NBR  
Fluorocarbon rubber (Viton)  
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.
- **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.  
> 480min.
- **Eye/face protection**  
Tightly sealed safety glasses.  
Face protection
- **Body protection:** Protective work clothing.

GB

(Contd. on page 5)

## Safety data sheet

### according to 1907/2006/EC, Article 31

Printing date 21.03.2023

Version number 2 (replaces version 1)

Revision: 21.03.2023

Trade name VORANSTRICH UND SILOLACK BVS 300

(Contd. of page 4)

### SECTION 9: Physical and chemical properties

#### 9.1 Information on basic physical and chemical properties

· <b>General Information</b>	
· <b>Physical state</b>	Fluid
· <b>Colour:</b>	Black
· <b>Smell:</b>	Benzen-like
· <b>Odour threshold:</b>	Not determined.
· <b>Melting point/freezing point:</b>	Not determined
· <b>Boiling point or initial boiling point and boiling range</b>	>150 °C
· <b>Flammability</b>	Flammable.
· <b>Lower and upper explosion limit</b>	
· <b>Lower:</b>	0.7 Vol %
· <b>Upper:</b>	6.4 Vol %
· <b>Flash point:</b>	30-43 °C
· <b>Decomposition temperature:</b>	Not determined.
· <b>pH</b>	Mixture is non-soluble (in water). Not determined.
· <b>Viscosity:</b>	
· <b>Kinematic viscosity at 20 °C</b>	>15 s (DIN 53211/4)
· <b>dynamic:</b>	Not determined.
· <b>Solubility</b>	
· <b>Water:</b>	Not miscible or difficult to mix
· <b>Partition coefficient n-octanol/water (log value)</b>	Not determined.
· <b>Steam pressure:</b>	Not determined.
· <b>Density and/or relative density</b>	
· <b>Density at 20 °C</b>	0.9 g/cm <sup>3</sup>
· <b>Relative density</b>	Not determined.
· <b>Vapour density</b>	Not determined.

#### 9.2 Other information

· <b>Appearance:</b>	
· <b>Form:</b>	Fluid
· <b>Important information on protection of health and environment, and on safety.</b>	
· <b>Self-inflammability:</b>	Product is not selfigniting.
· <b>Explosive properties:</b>	Product is not explosive. However, formation of explosive air/steam mixtures is possible.
· <b>Solvent separation test</b>	<3
· <b>Solvent content:</b>	
· <b>Solids content:</b>	14.6 %
· <b>Change in condition</b>	
· <b>Evaporation rate</b>	Not determined.

#### Information with regard to physical hazard classes

· <b>Explosives</b>	Void
· <b>Flammable gases</b>	Void
· <b>Aerosols</b>	Void
· <b>Oxidising gases</b>	Void
· <b>Gases under pressure</b>	Void
· <b>Flammable liquids</b>	Flammable liquid and vapour.
· <b>Flammable solids</b>	Void
· <b>Self-reactive substances and mixtures</b>	Void
· <b>Pyrophoric liquids</b>	Void
· <b>Pyrophoric solids</b>	Void

(Contd. on page 6)

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

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Version number 2 (replaces version 1)

Revision: 21.03.2023

Trade name VORANSTRICH UND SILOLACK BVS 300

(Contd. of page 5)

· <b>Self-heating substances and mixtures</b>	Void
· <b>Substances and mixtures, which emit flammable gases in contact with water</b>	Void
· <b>Oxidising liquids</b>	Void
· <b>Oxidising solids</b>	Void
· <b>Organic peroxides</b>	Void
· <b>Corrosive to metals</b>	Void
· <b>Desensitised explosives</b>	Void

### SECTION 10: Stability and reactivity

- **10.1 Reactivity** No further relevant information available.
- **10.2 Chemical stability**
- **Conditions to be avoided:** No decomposition if used and stored according to specifications.
- **10.3 Possibility of hazardous reactions**  
Flammable  
Forms explosive gases / fumes  
Forms flammable gases / fumes  
Reactions with strong oxidising agents.
- **10.4 Conditions to avoid** Heating
- **10.5 Incompatible materials:** No further relevant information available.
- **10.6 Hazardous decomposition products:** None

### SECTION 11: Toxicological information

- **11.1 Information on hazard classes as defined in Regulation (EC) No 1272/2008**
- **STOT-single exposure** May cause drowsiness or dizziness.
- **Aspiration hazard** May be fatal if swallowed and enters airways.
- **11.2 Information on other hazards**

- **Endocrine disrupting properties**

None of the ingredients is listed.

### SECTION 12: Ecological information

- **12.1 Toxicity**
- **Aquatic toxicity:** No further relevant information available.
- **12.2 Persistence and degradability** No further relevant information available.
- **12.3 Bioaccumulative potential** No further relevant information available.
- **12.4 Mobility in soil** No further relevant information available.
- **12.5 Results of PBT and vPvB assessment**
- **PBT:** Not applicable.
- **vPvB:** Not applicable.
- **12.6 Endocrine disrupting properties**  
The product does not contain substances with endocrine disrupting properties.
- **12.7 Other adverse effects**
- **Remark:** Toxic for fish
- **Additional ecological information:**
- **General notes:**  
Very toxic for aquatic organisms  
Also poisonous for fish and plankton in water bodies.  
Water hazard class (Germany) 1 (Self-assessment): slightly hazardous for water.

(Contd. on page 7)

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

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Trade name **VORANSTRICH UND SILOLACK BVS 300**

(Contd. of page 6)

Do not allow undiluted product or large quantities of it to reach ground water, water bodies or sewage system.

### SECTION 13: Disposal considerations

#### · 13.1 Waste treatment methods

##### · Recommendation

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

Must be specially treated under adherence to official regulations.

##### · Uncleaned packagings:

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

### SECTION 14: Transport information

#### · 14.1 UN number or ID number

##### · ADR, IMDG, IATA

UN1993

#### · 14.2 UN proper shipping name

##### · ADR

1993 FLAMMABLE LIQUID, N.O.S. (TURPENTINE SUBSTITUTE, Solvent naphtha (petroleum), light arom.)

##### · IMDG, IATA

FLAMMABLE LIQUID, N.O.S. (TURPENTINE SUBSTITUTE, Solvent naphtha (petroleum), light arom.)

#### · 14.3 Transport hazard class(es)

##### · ADR, IMDG, IATA



##### · Class

3 Flammable liquids.

##### · Label

3

#### · 14.4 Packing group

##### · ADR, IMDG, IATA

III

#### · 14.5 Environmental hazards:

##### · Marine pollutant:

Yes

#### · 14.6 Special precautions for user

##### · Kehler Number:

Warning: Flammable liquids.

30

##### · EMS Number:

F-E, S-E

##### · Stowage Category

A

#### · 14.7 Maritime transport in bulk according to IMO instruments

Not applicable.

#### · Transport/Additional information:

##### · ADR

##### · Limited quantities (LQ)

5L

##### · Transport category

3

##### · Tunnel restriction code

D/E

(Contd. on page 8)

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

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Version number 2 (replaces version 1)

Revision: 21.03.2023

Trade name **VORANSTRICH UND SILOLACK BVS 300**

(Contd. of page 7)

· <b>UN "Model Regulation":</b>	UN 1993 FLAMMABLE LIQUID, N.O.S. (TURPENTINE SUBSTITUTE, SOLVENT NAPHTHA (PETROLEUM), LIGHT AROM.), 3, III
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### SECTION 15: Regulatory information

- **15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture**
- **Directive 2012/18/EU**
- **Named dangerous substances - ANNEX I** None of the ingredients is listed.
- **Seveso category P5c** FLAMMABLE LIQUIDS
- **Qualifying quantity (tonnes) for the application of lower-tier requirements** 5,000 t
- **Qualifying quantity (tonnes) for the application of upper-tier requirements** 50,000 t
- **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**  
 H226 Flammable liquid and vapour.  
 H304 May be fatal if swallowed and enters airways.  
 H336 May cause drowsiness or dizziness.
- **Contact:** chemikalieninfo@murexin.com (+43 02622/27401)
- **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 relatif au transport international 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)  
 PBT: Persistent, Bioaccumulative and Toxic  
 vPvB: very Persistent and very Bioaccumulative  
 Flam. Liq. 3: Flammable liquids – Category 3  
 STOT SE 3: Specific target organ toxicity (single exposure) – Category 3  
 Asp. Tox. 1: Aspiration hazard – Category 1
- **\* Data compared to the previous version altered.**

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