

Safety Data Sheet
according to Regulation (EC) No 1907/2006, Article 31, as amended
by Regulation (EU) 2020/878.

Printing date 20.04.2026

Version number 2 (replaces version 1)

Revision: 19.02.2026

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

1.1 Product identifier

Trade name: **Bitumen 1K**

Safety data sheet no.: 49PD21393

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 sealing

1.3 Details of the supplier of the safety data sheet

Manufacturer/Supplier:

Saint-Gobain Eesti AS

Peterburi tee 75

Tallinn 13816, Estonia

Phone: +372 620 9510

eesti@saint-gobain.com

1.4 Emergency telephone number:

Estonia: 16662 and calling from abroad (+372) 794 3794 - Poisoning Information Centre

Latvia: 11 2 - Valsts ugunsdzēsības un glābšanas dienests (State Fire and Rescue Service) ; +371 67042473 - Toksikoloģijas un sepses klīnikas Saindēšanās un zāļu informācijas centrs, Hipokrāta 2, Rīga, Latvija, LV-1038 (Poisoning and Drug Information Center of the Toxicology and Sepsis Clinic)

Lithuania: + 370 5 236 20 52 ; + 370 687 53378 (mob.) - Lietuvos apsinuodijimų kontrolės ir informacijos biuras (neatidėliotina informacija apsinuodijus) Lithuanian Poison Control and Information Office (urgent information in case of poisoning)

SECTION 2: Hazards identification

2.1 Classification of the substance or mixture

Classification according to Regulation (EC) No 1272/2008

The product is not classified according to the CLP regulation.

2.2 Label elements

Labelling according to Regulation (EC) No 1272/2008 Void

Hazard pictograms Void

Signal word Void

Hazard statements Void

Additional information:

Information according to Biocidal Products Regulation (EU) 528/2012: contains

Active substance for preservation during storage: reaction mass of 5-chloro-2-methyl-2H-isothiazol-3-one [EC no. 247-500-7] and 2-methyl-2H-isothiazol-3-one [EC no. 220-239-6] (3:1) (CAS no.: 55965-84-9)

EUH208 Contains 1,2-benzisothiazoline-3(2H)-one, Biopolymeric resin. May produce an allergic reaction.

EUH210 Safety data sheet available on request.

2.3 Other hazards

Results of PBT and vPvB assessment

PBT: Does not contain PBT substances.

vPvB: Does not contain vPvB substances.

Determination of endocrine-disrupting properties Not applicable

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SECTION 3: Composition/information on ingredients

3.2 Mixtures

Description: Bituminous emulsion

Dangerous components:

CAS: 8052-42-4 EINECS: 232-490-9 Reg.nr.: 01-2119480172-44-xxxx	Asphalt substance with a Community workplace exposure limit	25-50%
CAS: 1317-65-3 EINECS: 215-279-6 Reg.nr.: 01-2119486795-18-xxxx	limestone substance with a Community workplace exposure limit	1-2%
EC number: 941-212-1 Reg.nr.: 01-2120044958-43-xxxx	Biopolymeric resin ⚠ Eye Dam. 1, H318; ⚠ Acute Tox. 4, H302; Acute Tox. 4, H312; Skin Irrit. 2, H315; Skin Sens. 1, H317	≥0.1-<1%
CAS: 2634-33-5 EINECS: 220-120-9 Index number: 613-088-00-6	1,2-benzisothiazoline-3(2H)-one ⚠ Acute Tox. 2, H330; ⚠ Eye Dam. 1, H318; ⚠ Aquatic Acute 1, H400 (M=1); Aquatic Chronic 1, H410 (M=1); ⚠ Acute Tox. 4, H302; Skin Irrit. 2, H315; Skin Sens. 1A, H317 ATE: LD50 oral: 450 mg/kg LC50/4 h inhalative: 0.21 mg/l Specific concentration limit: Skin Sens. 1A; H317:C ≥ 0.036 % substance with a Community workplace exposure limit	≥0.025-<0.036%

SVHC Void

Additional information For the wording of the listed hazard statements refer to section 16.

SECTION 4: First aid measures

4.1 Description of first aid measures

General information Immediately remove any clothing soiled by the product.

After inhalation Not relevant (liquid preparation without volatile substances).

After skin contact

Immediately 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. Rinse liquid should be tempered (20-30°C).

After swallowing

Rinse out mouth with water. Do not induce vomiting. Seek medical attention and present this data sheet.

4.2 Most important symptoms and effects, both acute and delayed

No further relevant information available.

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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** Use fire extinguishing methods suitable to surrounding conditions.**5.2 Special hazards arising from the substance or mixture**

When water is vaporized, generation of toxic gases can not be excluded, e.g.:

Carbon monoxide (CO)

Hydrogen sulfide (H₂S)**5.3 Advice for firefighters****Protective equipment:** Use methods suitable to surrounding conditions.**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:

Inform respective authorities in case of seepage into water course or sewage system.

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

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 section 13.

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 disposal information.

SECTION 7: Handling and storage**7.1 Precautions for safe handling**

Store in cool, dry place in tightly closed receptacles.

Ensure good ventilation/exhaustion at the workplace.

Information about fire - and explosion protection: No special measures required.**7.2 Conditions for safe storage, including any incompatibilities****Storage****Requirements to be met by storerooms and receptacles:**

Store only in unopened original receptacles.

Store in a cool location.

Information about storage in one common storage facility:

Store away from foodstuffs.

Store away from oxidising agents.

Further information about storage conditions:

Store in cool, dry conditions in well sealed receptacles.

Protect from freezing.

Protect from heat and direct sunlight.

Recommended storage temperature: 5-30°C.

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7.3 Specific end use(s) No further relevant information available.

SECTION 8: Exposure controls/personal protection

8.1 Control parameters

Ingredients with limit values that require monitoring at the workplace:

DNELs		
CAS: 8052-42-4 Asphalt		
Inhalative	Derived No Effect Level	2.88 mg/m ³ (worker local long term value) 0.61 mg/m ³ (consumer local long term value)
CAS: 1317-65-3 limestone		
Oral	Derived No Effect Level	6.1 mg/kgxday (consumer systemic long term value)
Inhalative	Derived No Effect Level	6.36 mg/m ³ (worker local long term value) 1.06 mg/m ³ (consumer local long term value)
Biopolymeric resin		
Oral	Derived No Effect Level	1.5 mg/kgxday (consumer systemic long term value)
Dermal	Derived No Effect Level	4.2 mg/kgxday (worker systemic long term value) 1.5 mg/kgxday (consumer systemic long term value)
Inhalative	Derived No Effect Level	14.81 mg/m ³ (worker systemic long term value) 2.61 mg/m ³ (consumer systemic long term value)
CAS: 2634-33-5 1,2-benzisothiazoline-3(2H)-one		
Dermal	Derived No Effect Level	0.966 mg/kgxday (worker systemic long term value) 0.345 mg/kgxday (consumer systemic long term value)
Inhalative	Derived No Effect Level	6.81 mg/m ³ (worker systemic long term value) 1.2 mg/m ³ (consumer systemic long term value)
PNECs		
Biopolymeric resin		
Predicted No-Effect Concentration		102.07 mg/kgxdwt (earth rating factor)
Predicted No-Effect Concentration		0.000679 mg/l (sea water rating factor) 0.00679 mg/l (fresh water rating factor)
CAS: 2634-33-5 1,2-benzisothiazoline-3(2H)-one		
Predicted No-Effect Concentration		3 mg/kgxdwt (earth rating factor)
Predicted No-Effect Concentration		0.000403 mg/l (sea water rating factor) 0.00403 mg/l (fresh water rating factor)
CAS No. / Designation of material / % / Type / Value / Unit		
CAS: 8052-42-4 Asphalt		
MAK (Germany)	Long-term value: 1.5 mg/m ³ Dampf und Aerosol	
GV (Denmark)	Long-term value: 1 mg/m ³	
LEP (Spain)	Long-term value: 0.5 mg/m ³ aerosoles solubles en benceno	

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TWA (Italy)	Long-term value: 0.5 mg/m ³ A4 , IBEp, (i)
VLE (Portugal)	Long-term value: 0.5 mg/m ³ Fração inal.; A4, IBEp; Irritação ocular e do TRS
CAS: 1317-65-3 limestone	
TWA (Italy)	Long-term value: 10 mg/m ³ (e)
CAS: 1302-78-9 Bentonite	
MAK (Germany)	vgl. Abschn. IIb
CAS: 2634-33-5 1,2-benzisothiazoline-3(2H)-one	
MAK (Germany)	vgl. Abschn. IIb und Xc

Additional information:

The applicable TRGS 900 (MAK list) was used as the basis for the preparation and/or revision of this safety data sheet.

8.2 Exposure controls

Appropriate engineering controls No further data; see section 7.

Individual protection measures, such as personal protective equipment

General protective and hygienic measures:

The usual precautionary measures are to be adhered to when handling chemicals.

Immediately remove all soiled and contaminated clothing.

Avoid contact with the eyes and skin.

Keep away from foodstuffs, beverages and feed.

Do not eat, drink, smoke or sniff while working.

Wash hands before breaks and at the end of work.

Respiratory protection: Not required

Hand protection

Protective gloves.

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

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

Material of gloves

Nitrile rubber, NBR

Recommended thickness of the material: ≥ 0.4 mm

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. As the product is a mixture of several substances, the resistance of the glove material can not be calculated in advance and has therefore to be checked prior to the application.

Penetration time of glove material

Breakthrough time: > 480 min

Value for the permeation: Level ≤ 6

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

Eye/face protection Tightly sealed goggles

Body protection: Protective work clothing.

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SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

General Information

Physical state	Liquid
Colour:	Black
Odour:	Ammonia-like
Odour threshold:	Not determined
Melting point/freezing point:	0 °C
Boiling point or initial boiling point and boiling range	100 °C
Flammability	Not applicable
Lower and upper explosion limit	
Lower:	Not determined
Upper:	Not determined
Flash point:	Not applicable
Auto-ignition temperature:	Not determined.
Decomposition temperature:	Not determined
pH at 20 °C	10
Viscosity:	
Kinematic viscosity	Not determined.
dynamic:	Not determined.
Solubility	
Water:	Fully miscible
Partition coefficient n-octanol/water (log value)	Not determined
Vapour pressure at 20 °C:	23 hPa (Wasser)
Density and/or relative density	
Density:	Not determined
Relative density	Not determined
Bulk density:	Not applicable.
Vapour density	Not determined

9.2 Other information

Appearance:

Form: Fluid

Important information on protection of health and environment, and on safety.

Ignition temperature:	Product is not self-igniting.
Explosive properties:	Product does not present an explosion hazard.
Minimum ignition energy	
Solvent separation test:	Not applicable.
Solvent content:	0.0 %
EU-VOC (%)	0.1881 %
EU-VOC (g/L)	1.1287 g/l
Change in condition	
Softening point/range	
Oxidising properties	Not determined.
Evaporation rate	Not determined

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Information with regard to physical hazard classes

Explosives	Void
Flammable gases	Void
Aerosols	Void
Oxidising gases	Void
Gases under pressure	Void
Flammable liquids	Void
Flammable solids	Void
Self-reactive substances and mixtures	Void
Pyrophoric liquids	Void
Pyrophoric solids	Void
Self-heating substances and mixtures	Void
Substances and mixtures, which emit flammable gases in contact with water	Void
Oxidising liquids	Void
Oxidising solids	Void
Organic peroxides	Void
Corrosive to metals	Void
Desensitised explosives	Void

SECTION 10: Stability and reactivity

10.1 Reactivity No further relevant information available.

10.2 Chemical stability

Thermal decomposition / Conditions to be avoided:

No decomposition if used according to specifications.

10.3 Possibility of hazardous reactions Reacts with strong oxidizing agents

10.4 Conditions to avoid No further relevant information available.

10.5 Incompatible materials: No further relevant information available.

10.6 Hazardous decomposition products:

Carbon monoxide and carbon dioxide

Hydrocarbons

Hydrogen sulphide

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.

LD/LC50 values relevant for classification:

Components	Type	Value	Species
CAS: 8052-42-4 Asphalt			
Oral	LD50	>5,000 mg/kg	(Rat)
Dermal	LD50	>2,000 mg/kg	(Rabbit)

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CAS: 1317-65-3 limestone

Oral LD50 >2,000 mg/kg (Rat)

Dermal LD50 >2,000 mg/kg (Rat)

Biopolymeric resin

Dermal LD50 >2,000 mg/kg (Rat)

CAS: 2634-33-5 1,2-benzisothiazoline-3(2H)-one

Oral LD50 450 mg/kg (ATE)

Dermal LD50 >2,000 mg/kg (Rat)

Primary irritant effect:

Skin corrosion/irritation Based on available data, the classification criteria are not met.

Serious eye damage/irritation Based on available data, the classification criteria are not met.

Respiratory or skin sensitisation

May cause an allergic skin reaction to already sensitised individuals (supplemental labelling EUH208 in Europe)

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

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

Reproductive toxicity 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.

11.2 Information on other hazards

Endocrine disrupting properties

None of the ingredients is listed.

SECTION 12: Ecological information

12.1 Toxicity

Aquatic toxicity: Not classified as harmful to aquatic life

Type of test / Effective concentration / Method / Assessment

CAS: 1317-65-3 limestone

LC50/96h >100 mg/l (Fish)

EC50/48h >100 mg/l (aquatic invertebrates)

EC50/72h >14 mg/l (aquatic algae and cyanobacteria)

Biopolymeric resin

EC 10 1,000 mg/l (microorganisms)

CAS: 2634-33-5 1,2-benzisothiazoline-3(2H)-one

LC50/96h 2.15-22 mg/l (Fish)

EC50/48h 2.9 mg/l (aquatic invertebrates)

EC50/72h 0.07-0.15 mg/l (aquatic algae and cyanobacteria)

NOEC (72h) 0.0403-0.055 mg/l (aquatic algae and cyanobacteria)

12.2 Persistence and degradability No further relevant information available.

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Method
CAS: 1317-65-3 limestone
Biod. (28 days) >90 %

12.3 Bioaccumulative potential

Biopolymeric resin
EBAB 6.2 log Pow
CAS: 2634-33-5 1,2-benzisothiazoline-3(2H)-one
EBAB 0.7 log Pow

12.4 Mobility in soil No further relevant information available.

12.5 Results of PBT and vPvB assessment

PBT: Does not contain PBT substances.

vPvB: Does not contain vPvB substances.

12.6 Endocrine disrupting properties

The product does not contain substances with endocrine disrupting properties.

12.7 Other adverse effects

Remark: The product contains substances which causes severe clouding in water

Behaviour in sewage processing plants:

Type of test / Effective concentration / Method / Assessment
CAS: 1317-65-3 limestone
EC 50 (3h) >1,000 mg/l (microorganisms)
CAS: 2634-33-5 1,2-benzisothiazoline-3(2H)-one
EC 50 (3h) 12.8-24 mg/l (microorganisms)

Remark: The product causes a significant pH change. Neutralise before introduction.

Additional ecological information:

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

SECTION 13: Disposal considerations

13.1 Waste treatment methods

Recommendation

After prior treatment product has to be disposed of in an incinerator for hazardous waste adhering to the regulations pertaining to the disposal of particularly hazardous waste.

Follow the producers use and disposal instructions to avoid the releases to the environment.

Process mortar residues to let them harden, before returning the residues to recycling or disposing them of in accordance with applicable requirements.

Do not spill water or dispose cleaning water into the environment.

Collect water from cleaning tools and reuse it or dispose it in local sewage systems.

European waste catalogue
17 03 02 bituminous mixtures other than those mentioned in 17 03 01

Uncleaned packaging:

Recommendation:

Empty contaminated packagings thoroughly. They may be recycled after thorough and proper cleaning.

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Recommended cleaning agent: Water, if necessary together with cleansing agents.

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SECTION 14: Transport information

14.1 UN number or ID number ADR, IMDG, IATA	Void
14.2 UN proper shipping name ADR, IMDG, IATA	Void
14.3 Transport hazard class(es) ADR, ADN, IMDG, IATA Class	Void
14.4 Packing group ADR, IMDG, IATA	Void
14.5 Environmental hazards: Marine pollutant:	No
14.6 Special precautions for user	Not applicable
14.7 Maritime transport in bulk according to IMO instruments	Not applicable
Transport/Additional information:	Not dangerous according to the above specifications.
IATA Packing instructions Passenger: Packing instructions cargo:	
UN "Model Regulation":	Void

SECTION 15: Regulatory information

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

Regulation (EC) No 1907/2006 (REACH) (Candidate List, Annexes XIV and XVII)
 Regulation (EC) No 1272/2008 (CLP)
 Regulation (EU) 2020/878 (amending REACH Annex II on the compilation of safety data sheets)
Labelling according to Regulation (EC) No 1272/2008 cf. section 2

Directive 2012/18/EU

Named dangerous substances - ANNEX I None of the ingredients is listed.

REGULATION (EU) 2017/852 on mercury (Annex I)

None of the ingredients is listed.

REGULATION (EU) 2019/1021 on persistent organic pollutants (POP)

None of the ingredients is listed.

REGULATION (EC) No 1907/2006 ANNEX XVII Conditions of restriction: 3, 78

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Additional information on Entry 78

The product falls under the microplastics restriction but is derogated under paragraph 5 of Regulation(EU) 2023/2055.

Regulation (EU) No 649/2012

None of the ingredients is listed.

DIRECTIVE 2011/65/EU on the restriction of the use of certain hazardous substances in electrical and electronic equipment – Annex II

None of the ingredients is listed.

REGULATION (EU) 2019/1148

Annex I - RESTRICTED EXPLOSIVES PRECURSORS (Upper limit value for the purpose of licensing under Article 5(3))

None of the ingredients is listed.

Annex II - REPORTABLE EXPLOSIVES PRECURSORS

None of the ingredients is listed.

Regulation (EC) No 273/2004 on drug precursors

None of the ingredients is listed.

Regulation (EC) No 111/2005 laying down rules for the monitoring of trade between the Community and third countries in drug precursors

None of the ingredients is listed.

REGULATION (EU) 2024/590 on substances that deplete the ozone layer

None of the ingredients is listed.

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.

This Safety Data Sheet is in compliance with Regulation (EC) No 1907/2006, Article 31 as amended by Regulation (EU) 2020/878.

Relevant phrases

The following list of relevant hazard statements is the full text of hazard statements mentioned elsewhere in this safety data sheet (in particular in the section 3) and is reported as required by the Regulation (EC) No 1907/2006 (REACH), Annex II, and the following amendments (Regulation (EU) 2020/878). The statements mentioned here do not refer to the product itself, but refer to the individual ingredients in the products, and are provided for information.

- H302 Harmful if swallowed.
- H312 Harmful in contact with skin.
- H315 Causes skin irritation.
- H317 May cause an allergic skin reaction.
- H318 Causes serious eye damage.
- H330 Fatal if inhaled.
- H400 Very toxic to aquatic life.
- H410 Very toxic to aquatic life with long lasting effects.

Department issuing SDS: Marketing

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Contact:

Priit Pallum

Phone: +372 620 9510

eessti@saint-gobain.com

Version number of previous version: 1

Abbreviations and acronyms:

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

IATA-DGR: Dangerous Goods Regulations by the "International Air Transport Association" (IATA)

ICAO: International Civil Aviation Organisation

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)

DNEL: Derived No-Effect Level (REACH)

PNEC: Predicted No-Effect Concentration (REACH)

LC50: Lethal concentration, 50 percent

LD50: Lethal dose, 50 percent

PBT: Persistent, Bioaccumulative and Toxic

SVHC: Substances of Very High Concern (REACH regulation)

vPvB: very Persistent and very Bioaccumulative

ATE: Acute toxicity estimate values

Acute Tox. 4: Acute toxicity – Category 4

Acute Tox. 2: Acute toxicity – Category 2

Skin Irrit. 2: Skin corrosion/irritation – Category 2

Eye Dam. 1: Serious eye damage/eye irritation – Category 1

Skin Sens. 1: Skin sensitisation – Category 1

Skin Sens. 1A: Skin sensitisation – Category 1A

Aquatic Acute 1: Hazardous to the aquatic environment - acute aquatic hazard – Category 1

Aquatic Chronic 1: Hazardous to the aquatic environment - long-term aquatic hazard – Category 1

*** Data compared to the previous version altered.**

According to Annex II of the REACH regulation, the modified sections in this version of the Safety Data Sheet in comparison with the previous one are marked with asterisks.