

ZWALUW 1200° FIRE SEALANTS BLACK
Supersedes Date: 05-Oct-2020Revision date 13-Apr-2021
Revision Number 1.02**SECTION 1: Identification of the substance/mixture and of the company/undertaking****1.1. Product identifier****Product Name** ZWALUW 1200° FIRE SEALANTS BLACK
Pure substance/mixture Mixture**1.2. Relevant identified uses of the substance or mixture and uses advised against****Recommended use** Sealant.
Uses advised against None known.**1.3. Details of the supplier of the safety data sheet****Company Name**Bostik Benelux B.V.
Denariusstraat 11
4903 RC Oosterhout
The Netherlands
Tel: + 31 162 491 000**E-mail address** SDS.box-EU@bostik.com**1.4. Emergency telephone number****Emergency Telephone** No information available**SECTION 2: Hazards identification****2.1. Classification of the substance or mixture**

Regulation (EC) No 1272/2008

Skin corrosion/irritation	Category 2 - (H315)
Serious eye damage/eye irritation	Category 1 - (H318)
Specific target organ toxicity — repeated exposure	Not applicable

2.2. Label elements

Contains Silicic acid, sodium salt (MR >1.6-2.6)

**Signal word**

Danger

Hazard statementsH315 - Causes skin irritation.
H318 - Causes serious eye damage.

SAFETY DATA SHEET

ZWALUW 1200° FIRE SEALANTS BLACK
Supersedes Date: 05-Oct-2020

Revision date 13-Apr-2021
Revision Number 1.02

Precautionary Statements - EU (§28, 1272/2008)

P101 - If medical advice is needed, have product container or label at hand
P102 - Keep out of reach of children
P280 - Wear protective gloves and eye/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
P310 - Immediately call a POISON CENTER or doctor
P302 + P352 - IF ON SKIN: Wash with plenty of water and soap
P501 - Dispose of contents/ container to an approved waste disposal plant

2.3. Other hazards

No information available.

PBT & vPvB

This mixture contains no substance considered to be persistent, bioaccumulating or toxic (PBT). This mixture contains no substance considered to be very persistent nor very bioaccumulating (vPvB).

SECTION 3: Composition/information on ingredients

3.1 Substances

Not applicable

3.2 Mixtures

Chemical name	EC No	CAS No	Weight-%	Classification according to Regulation (EC) No. 1272/2008 [CLP]	Specific concentration limit (SCL)	REACH registration number
Crystobalite	238-455-4	14464-46-1	>25 - <40	-		-
Silicic acid, sodium salt (MR >1.6-2.6)	215-687-4	1344-09-8	10 - <20	STOT SE 3 (H335) Skin Irrit. 2 (H315) Eye Dam. 1 (H318)		01-2119448725-31-XXXX
Quartz (fine fraction)	238-878-4	14808-60-7	1 - <5	STOT RE 1 (H372)		[4]
Quartz	238-878-4	14808-60-7	0.1- <1	^		[4]

NOTE [4] - This substance is exempted from registration according to the provisions of Article 2(7)(a) and Annex IV of REACH

Full text of H- and EUH-phrases: see section 16

Note: ^ indicates not classified, however, the substance is listed in section 3 as it has an OEL

This product does not contain candidate substances of very high concern at a concentration $\geq 0.1\%$ (Regulation (EC) No. 1907/2006 (REACH), Article 59)

SECTION 4: First aid measures

4.1. Description of first aid measures

General advice If medical advice is needed, have product container or label at hand.

Inhalation Remove to fresh air. Get medical attention immediately if symptoms occur.

SAFETY DATA SHEET

ZWALUW 1200° FIRE SEALANTS BLACK
Supercedes Date: 05-Oct-2020

Revision date 13-Apr-2021
Revision Number 1.02

Eye contact	Get immediate medical advice/attention. Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Keep eye wide open while rinsing. Consult an ophthalmologist.
Skin contact	Wash off immediately with soap and plenty of water. Get medical attention if irritation develops and persists.
Ingestion	Do NOT induce vomiting. Rinse mouth. Never give anything by mouth to an unconscious person. Call a doctor.
Self-protection of the first aider	Avoid contact with skin, eyes or clothing. Wear personal protective clothing (see section 8).

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

Symptoms Burning sensation.

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

Note to doctors Treat symptomatically.

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable Extinguishing Media Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

Unsuitable extinguishing media No information available.

5.2. Special hazards arising from the substance or mixture

Specific hazards arising from the chemical Product itself does not burn.

5.3. Advice for firefighters

Special protective equipment and precautions for fire-fighters Wear self contained breathing apparatus for fire fighting if necessary.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Personal precautions Ensure adequate ventilation. Use personal protective equipment as required. Avoid contact with skin, eyes or clothing.

Other information Refer to protective measures listed in Sections 7 and 8.

For emergency responders Use personal protection recommended in Section 8.

6.2. Environmental precautions

Environmental precautions Prevent product from entering drains. Do not allow to enter into soil/subsoil.

6.3. Methods and material for containment and cleaning up

Methods for containment Absorb or cover with dry earth, sand or other non-combustible material and transfer to containers.

Methods for cleaning up Take up mechanically, placing in appropriate containers for disposal.

SAFETY DATA SHEET

ZWALUW 1200° FIRE SEALANTS BLACK
Supersedes Date: 05-Oct-2020

Revision date 13-Apr-2021
Revision Number 1.02

Prevention of secondary hazards Clean contaminated objects and areas thoroughly observing environmental regulations.

6.4. Reference to other sections

Reference to other sections See section 8 for more information. See section 13 for more information.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Advice on safe handling Ensure adequate ventilation. Use personal protection equipment. Avoid contact with skin, eyes or clothing.

General hygiene considerations Do not eat, drink or smoke when using this product. Wash hands before breaks and after work. Take off all contaminated clothing and wash it before reuse.

7.2. Conditions for safe storage, including any incompatibilities

Storage Conditions Keep containers tightly closed in a dry, cool and well-ventilated place. Protect from frost.

Recommended storage temperature Keep at temperatures between 5 and 35 °C.

7.3. Specific end use(s)

Specific use(s)
Sealant.

Risk Management Methods (RMM) The information required is contained in this Safety Data Sheet.

Other information Observe technical data sheet.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

Exposure Limits

Only European Community Occupational Exposure Limits will be shown in this document. Please refer to regional SDS for further information.

Chemical name	European Union
Crystobalite 14464-46-1	TWA: 0.1 mg/m ³
Quartz (fine fraction) 14808-60-7	TWA: 0.1 mg/m ³
Quartz 14808-60-7	TWA: 0.1 mg/m ³

Derived No Effect Level (DNEL) No information available

Derived No Effect Level (DNEL)			
Silicic acid, sodium salt (MR >1.6-2.6) (1344-09-8)			
Type	Exposure route	Derived No Effect Level (DNEL)	Safety factor
worker Long term Systemic health effects	Inhalation	5.61 mg/m ³	
worker Long term Systemic health effects	Dermal	1.59 mg/kg bw/d	

SAFETY DATA SHEET

ZWALUW 1200° FIRE SEALANTS BLACK
Supersedes Date: 05-Oct-2020

Revision date 13-Apr-2021
Revision Number 1.02

Quartz (14808-60-7)

Derived No Effect Level (DNEL)

Silicic acid, sodium salt (MR >1.6-2.6) (1344-09-8)

Type	Exposure route	Derived No Effect Level (DNEL)	Safety factor
Consumer Long term Systemic health effects	Inhalation	1.38 mg/m ³	
Consumer Long term Systemic health effects	Dermal	0.8 mg/kg bw/d	
Consumer Long term Systemic health effects	Oral	0.8 mg/kg bw/d	

Quartz (fine fraction) (14808-60-7)

Predicted No Effect Concentration (PNEC) No information available.

Predicted No Effect Concentration (PNEC)

Crystobalite (14464-46-1)

Silicic acid, sodium salt (MR >1.6-2.6) (1344-09-8)

Environmental compartment	Predicted No Effect Concentration (PNEC)
Freshwater	7.5 mg/l
Marine water	1 mg/l
Sewage treatment plant	348 mg/l

Quartz (fine fraction) (14808-60-7)

8.2. Exposure controls

Engineering controls Ensure adequate ventilation, especially in confined areas.

Personal protective equipment

Eye/face protection

Hand protection

Skin and body protection

Respiratory protection

Goggles. or. Face protection shield. Eye protection must conform to standard EN 166.
Wear suitable gloves. Recommended Use: Nitrile rubber. Butyl rubber. Glove thickness > 0.7mm. Ensure that the breakthrough time of the glove material is not exceeded. Refer to glove supplier for information on breakthrough time for specific gloves. The breakthrough time for the mentioned glove material is in general greater than 480 min. Gloves must conform to standard EN 374
Wear suitable protective clothing.
Provide adequate ventilation.

Environmental exposure controls Do not allow uncontrolled discharge of product into the environment.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state Solid
Appearance Paste
Colour Black
Odour Characteristic
Odour threshold No information available

Property	Values	Remarks • Method
pH	No data available	
pH (as aqueous solution)	No data available	
Melting point / freezing point	0 °C	
Initial boiling point and boiling range	100 °C	

SAFETY DATA SHEET

ZWALUW 1200° FIRE SEALANTS BLACK
Supersedes Date: 05-Oct-2020

Revision date 13-Apr-2021
Revision Number 1.02

Flash point	No data available	
Evaporation rate	No data available	
Flammability	No data available	
Flammability Limit in Air		
Upper flammability or explosive limits	No data available	
Lower flammability or explosive limits	No data available	
Vapour pressure	23	hPa
Relative vapour density	No data available	
Relative density	2	
Water solubility	Miscible in water	
Solubility(ies)	No data available	
Partition coefficient	No data available	
Autoignition temperature	No data available	
Decomposition temperature	No data available	
Kinematic viscosity	No data available	
Dynamic viscosity	No data available	
Explosive properties	No data available	
Oxidising properties	No data available	

9.2. Other information

Solid content (%)	No information available
VOC Content (%)	
Density	1.95 - 2.05 g/cm ³

SECTION 10: Stability and reactivity

10.1. Reactivity

Reactivity Stable under recommended storage conditions.

10.2. Chemical stability

Stability Stable under normal conditions.

Explosion data

Sensitivity to mechanical impact	None.
Sensitivity to static discharge	None.

10.3. Possibility of hazardous reactions

Possibility of hazardous reactions None under normal processing.

10.4. Conditions to avoid

Conditions to avoid None known based on information supplied.

10.5. Incompatible materials

Incompatible materials Strong acids. Strong bases. Strong oxidising agents.

10.6. Hazardous decomposition products

Hazardous decomposition products None under normal use conditions. Stable under recommended storage conditions.

SECTION 11: Toxicological information

SAFETY DATA SHEET

ZWALUW 1200° FIRE SEALANTS BLACK
Supersedes Date: 05-Oct-2020

Revision date 13-Apr-2021
Revision Number 1.02

11.1. Information on toxicological effects

Information on likely routes of exposure

Product Information

Inhalation	Based on available data, the classification criteria are not met.
Eye contact	Causes serious eye damage.
Skin contact	Causes skin irritation.
Ingestion	Based on available data, the classification criteria are not met.

Symptoms related to the physical, chemical and toxicological characteristics

Symptoms Redness. Burning. May cause blindness. May cause redness and tearing of the eyes.

Numerical measures of toxicity

Acute toxicity

Component Information

Chemical name	Oral LD50	Dermal LD50	Inhalation LC50
Silicic acid, sodium salt (MR >1.6-2.6) 1344-09-8	=3400 mg/kg (Rattus) (OECD 401)	> 4640 mg/kg (Oryctolagus cuniculus)	
Quartz (fine fraction) 14808-60-7	>2000 mg/kg (Rattus)		
Quartz 14808-60-7	>2000 mg/kg (Rattus)		

Delayed and immediate effects as well as chronic effects from short and long-term exposure

Skin corrosion/irritation	Irritating to skin.
Serious eye damage/eye irritation	Causes burns. Risk of serious damage to eyes.
Respiratory or skin sensitisation	Based on available data, the classification criteria are not met.
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.

SAFETY DATA SHEET

ZWALUW 1200° FIRE SEALANTS BLACK
Supersedes Date: 05-Oct-2020

Revision date 13-Apr-2021
Revision Number 1.02

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

11.2. Information on other hazards

11.2.1. Endocrine disrupting properties

Endocrine disrupting properties No information available.

11.2.2. Other information

Other adverse effects No information available.

SECTION 12: Ecological information

12.1. Toxicity

Ecotoxicity .

Chemical name	Algae/aquatic plants	Fish	Toxicity to microorganisms	Crustacea	M-Factor	M-Factor (long-term)
Silicic acid, sodium salt (MR >1.6-2.6) 1344-09-8	-	LC50 96 h 301 - 478 mg/L (Lepomis macrochirus)	-	EC50 96 h = 216 mg/L (Daphnia magna)		

12.2. Persistence and degradability

Persistence and degradability No information available.

12.3. Bioaccumulative potential

Bioaccumulation No information available.

Chemical name	Partition coefficient	Bioconcentration factor (BCF)
Quartz 14808-60-7	-	0

12.4. Mobility in soil

Mobility in soil No information available.

12.5. Results of PBT and vPvB assessment

PBT and vPvB assessment . The product does not contain any substance(s) classified as PBT or vPvB.

Chemical name	PBT and vPvB assessment
Silicic acid, sodium salt (MR >1.6-2.6) 1344-09-8	The substance is not PBT / vPvB PBT assessment does not apply

12.6. Other adverse effects

Other adverse effects No information available.

SECTION 13: Disposal considerations

SAFETY DATA SHEET

ZWALUW 1200° FIRE SEALANTS BLACK
Supersedes Date: 05-Oct-2020

Revision date 13-Apr-2021
Revision Number 1.02

13.1. Waste treatment methods

Waste from residues/unused products	Dispose of contents/container in accordance with local, regional, national, and international regulations as applicable.
Contaminated packaging	Handle contaminated packages in the same way as the product itself.
European Waste Catalogue	08 04 09* waste adhesives and sealants containing organic solvents or other dangerous substances
Other information	Waste codes should be assigned by the user based on the application for which the product was used.

SECTION 14: Transport information

Note: Keep from freezing.

Land transport (ADR/RID)

14.1 UN number or ID number	Not regulated
14.2 Proper Shipping Name	Not regulated
14.3 Transport hazard class(es)	Not regulated
14.4 Packing group	Not regulated
14.5 Environmental hazards	Not applicable
14.6 Special Provisions	None

IMDG

14.1 UN number or ID number	Not regulated
14.2 Proper Shipping Name	Not regulated
14.3 Transport hazard class(es)	Not regulated
14.4 Packing group	Not regulated
14.5 Marine pollutant	NP
14.6 Special Provisions	None
14.7 Transport in bulk according to Annex II of MARPOL and the IBC Code	Not applicable

Air transport (ICAO-TI / IATA-DGR)

14.1 UN number or ID number	Not regulated
14.2 Proper Shipping Name	Not regulated
14.3 Transport hazard class(es)	Not regulated
14.4 Packing group	Not regulated
14.5 Environmental hazards	Not applicable
14.6 Special Provisions	None

Section 15: REGULATORY INFORMATION

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

European Union

Take note of Directive 98/24/EC on the protection of the health and safety of workers from the risks related to chemical agents at work

Check whether measures in accordance with Directive 94/33/EC for the protection of young people at work must be taken.

Take note of Directive 92/85/EC on the protection of pregnant and breastfeeding women at work

Registration, Evaluation, Authorization, and Restriction of Chemicals (REACH) Regulation (EC 1907/2006)

SVHC: Substances of Very High Concern for Authorisation:

SAFETY DATA SHEET

ZWALUW 1200° FIRE SEALANTS BLACK
Supercedes Date: 05-Oct-2020

Revision date 13-Apr-2021
Revision Number 1.02

This product does not contain candidate substances of very high concern at a concentration $\geq 0.1\%$ (Regulation (EC) No. 1907/2006 (REACH), Article 59)

EU-REACH (1907/2006) - Annex XVII - Substances subject to Restriction

This product does not contain substances subject to restriction (Regulation (EC) No. 1907/2006 (REACH), Annex XVII).

Substance subject to authorisation per REACH Annex XIV

This product does not contain substances subject to authorisation (Regulation (EC) No. 1907/2006 (REACH), Annex XIV)

Ozone-depleting substances (ODS) regulation (EC) 1005/2009

Not applicable

Persistent Organic Pollutants

Not applicable

National regulations

France

Occupational Illnesses (R-463-3, France)

Chemical name	French RG number
Crystobalite 14464-46-1	RG 25
Quartz (fine fraction) 14808-60-7	RG 25
Quartz 14808-60-7	RG 25

Germany

Ordinance on Industrial Safety and Health - Germany - BetrSichV

No flammable liquids in accordance with BetrSichV

Water hazard class (WGK) slightly hazardous to water (WGK 1)

TRGS - 510 Storage Class Storage Class 13 : Non-combustible solids

Netherlands

List of Carcinogenic, mutagenic and reproductive toxin substances in accordance with Inspectorate SZW (Netherlands)

Chemical name	Netherlands - List of Carcinogens
Crystobalite 14464-46-1	Present (respirable dust, crystalline)
Quartz (fine fraction) 14808-60-7	Present (respirable dust, crystalline)
Quartz 14808-60-7	Present (respirable dust, crystalline)

Sweden

Occupational exposure limits AFS 2018:1

SAFETY DATA SHEET

ZWALUW 1200° FIRE SEALANTS BLACK
Supersedes Date: 05-Oct-2020

Revision date 13-Apr-2021
Revision Number 1.02

Denmark

Registration number(s) (P-no.) 4320459
MAL-Code 00-1

Norway

Registration number(s) (PRN-no.) 633534

15.2. Chemical safety assessment

Chemical Safety Assessments have been carried out by the Reach registrants for substances registered at >10 tpa. No Chemical Safety Assessment has been carried out for this mixture.

SECTION 16: Other information

Key or legend to abbreviations and acronyms used in the safety data sheet

Full text of H-Statements referred to under section 3

H315 - Causes skin irritation
H318 - Causes serious eye damage
H335 - May cause respiratory irritation
H372 - Causes damage to organs through prolonged or repeated exposure

Legend

TWA	TWA (time-weighted average)
STEL	STEL (Short Term Exposure Limit)
Ceiling	Ceiling Limit Value
*	Skin designation
SVHC	Substance(s) of Very High Concern
PBT	Persistent, Bioaccumulative, and Toxic (PBT) Chemicals
vPvB	Very Persistent and very Bioaccumulative (vPvB) Chemicals
STOT RE	Specific target organ toxicity - Repeated exposure
STOT SE	Specific target organ toxicity - Single exposure
EWC	European Waste Catalogue

Key literature references and sources for data

No information available

Prepared By Product Safety & Regulatory Affairs

Revision date 13-Apr-2021

Indication of changes

Revision note SDS sections updated.

Training Advice When working with hazardous materials, regular training of operators is required by law

Further information No information available

This material safety data sheet complies with the requirements of Regulation (EC) No. 1907/2006

Disclaimer

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.

End of Safety Data Sheet