

KIESEY HORIZONTALSTOPP
Supersedes Date: 12-Mar-2019Revision date 28-Apr-2020
Revision Number 1.02**SECTION 1: Identification of the substance/mixture and of the company/undertaking****1.1. Product Identifier****Product Name** KIESEY HORIZONTALSTOPP
Pure substance/mixture Mixture**1.2. Relevant identified uses of the substance or mixture and uses advised against****Recommended use** Primers, Sealers, and Undercoaters.
Uses advised against None known.**1.3. Details of the supplier of the safety data sheet****Company Name**Bostik GmbH
An der Bundesstrasse 16
33829 Borgholzhausen, Germany
Tel: +49 (0) 5425 / 801 0
Fax: +49 (0) 5425 / 801 140**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)

2.2. Label Elements

Contains: Silanetriol, methyl-, potassium salt

**Signal word**
DANGER**Hazard statements**H315 - Causes skin irritation.
H318 - Causes serious eye damage.

SAFETY DATA SHEET

KIESEY HORIZONTALSTOPP
Supersedes Date: 12-Mar-2019

Revision date 28-Apr-2020
Revision Number 1.02

Precautionary statements

P101 - If medical advice is needed, have product container or label at hand.
P102 - Keep out of reach of children.
P264 - Wash hands thoroughly after handling.
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

Mixture

3.2. Mixtures Mixtures

Chemical name	EC No	CAS No	Weight-%	Classification according to Regulation (EC) No. 1272/2008 [CLP]	Specific concentration limit (SCL)	REACH Registration Number
Silanetriol, methyl-, potassium salt	250-807-9	31795-24-1	1 - <5	Skin Corr. 1A (H314) Eye Dam. 1 (H318)		01-2119517439-34-XXXX
POTASSIUM SILICATE (MR SiO ₂ /K ₂ O > 2.6)	215-199-1	1312-76-1	1 - <5	Skin Irrit. 2 (H315) Eye Irrit. 2A (H319) STOT SE 3 (H335)		01-2119456888-17-XXXX

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.

SAFETY DATA SHEET

KIESEY HORIZONTALSTOPP
Supercedes Date: 12-Mar-2019

Revision date 28-Apr-2020
Revision Number 1.02

Inhalation	Remove to fresh air. Get medical attention immediately if symptoms occur.
Eye contact	Immediately flush with plenty of water. After initial flushing, remove any contact lenses and continue flushing for at least 15 minutes. 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 thoroughly with water. Never give anything by mouth to an unconscious person. Call a doctor or poison control centre immediately.
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 No information available.

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 Water spray, carbon dioxide (CO₂), dry chemical, alcohol-resistant foam.

Unsuitable extinguishing media Full water jet.

5.2. Special hazards arising from the substance or mixture

Specific hazards arising from the chemical Thermal decomposition can lead to release of irritating and toxic gases and vapours.

Hazardous combustion products Carbon monoxide. Carbon dioxide (CO₂).

5.3. Advice for firefighters

Special protective equipment 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 Use a non-combustible material like vermiculite, sand or earth to soak up the product

SAFETY DATA SHEET

KIESEY HORIZONTALSTOPP
Supercedes Date: 12-Mar-2019

Revision date 28-Apr-2020
Revision Number 1.02

and place into a container for later disposal.

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

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 Keep away from food, drink and animal feedingstuffs. 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 from freezing. Keep containers tightly closed in a dry, cool and well-ventilated place. Keep at temperatures between 10 and 35 °C.

7.3. Specific end use(s)

Specific Use(s)
Primers, Sealers, and Undercoaters.

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

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

Derived No Effect Level (DNEL) No information available

Derived No Effect Level (DNEL)	
Silanetriol, methyl-, potassium salt (31795-24-1)	
Type	worker Systemic health effects Long term Short term
Exposure route	Dermal
Derived No Effect Level (DNEL)	6,6 mg/kg bw/d

Type	worker Systemic health effects Long term Short term
Exposure route	Inhalation
Derived No Effect Level (DNEL)	47 mg/m ³

Derived No Effect Level (DNEL)	
Silanetriol, methyl-, potassium salt (31795-24-1)	
Type	Consumer Systemic health effects Long term
Exposure route	Oral

SAFETY DATA SHEET

KIESEY HORIZONTALSTOPP
 Supercedes Date: 12-Mar-2019

Revision date 28-Apr-2020
 Revision Number 1.02

Derived No Effect Level (DNEL)	0,42 mg/kg bw/d
--------------------------------	-----------------

Type	Consumer Systemic health effects Long term Short term
Exposure route	Dermal
Derived No Effect Level (DNEL)	4 mg/kg bw/d

Type	Consumer Systemic health effects Long term Short term
Exposure route	Inhalation
Derived No Effect Level (DNEL)	10 mg/m ³

Predicted No Effect Concentration (PNEC) No information available.

8.2. Exposure controls

Engineering controls Ensure adequate ventilation, especially in confined areas.

Personal Protective Equipment

Eye/face protection Goggles. or. Face protection shield. Eye protection must conform to standard EN 166
Hand protection Wear suitable gloves. Gloves must conform to standard EN 374. Recommended Use: Neoprene™. Nitrile rubber. Fluoro carbon rubber (FKM). 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 should be replaced regularly and if there is any sign of damage to the glove material.
Skin and body protection Suitable protective clothing.
Respiratory protection Ensure adequate ventilation, especially in confined areas. During spraying wear suitable respiratory equipment.
Recommended filter type: ABEK.

Environmental exposure controls Do not allow into any sewer, on the ground or into any body of water.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state Liquid
Appearance No information available
Colour Red
Odour Characteristic
Odour threshold No information available

<u>Property</u>	<u>Values</u>	<u>Remarks • Method</u>
pH	5 - 9	
Melting point / freezing point	No data available	
Boiling point / boiling range	100 °C	
Flash point	.	
Evaporation rate	No data available	
Flammability (solid, gas)	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	No data available	
Vapour density	No data available	
Relative density	1	
Water solubility	Soluble in water	
Solubility(ies)	No data available	
Partition coefficient	No data available	

SAFETY DATA SHEET

KIESEY HORIZONTALSTOPP
Supersedes Date: 12-Mar-2019

Revision date 28-Apr-2020
Revision Number 1.02

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 (%)	< 3 %

Swiss ordinance on the Incentive Tax on Volatile Organic Compounds of 12 Nov 1997

Density	1 g/cm ³
---------	---------------------

SECTION 10: Stability and reactivity

10.1. Reactivity

Reactivity	Stable.
------------	---------

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	Keep from freezing.
---------------------	---------------------

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

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.
-----------	---

SAFETY DATA SHEET

KIESEY HORIZONTALSTOPP
Supersedes Date: 12-Mar-2019

Revision date 28-Apr-2020
Revision Number 1.02

Symptoms related to the physical, chemical and toxicological characteristics

Symptoms No information available.

Numerical measures of toxicity

Acute Toxicity

The following values are calculated based on chapter 3.1 of the GHS document

Component Information

Chemical name	Oral LD50	Dermal LD50	Inhalation LC50
Silanetriol, methyl-, potassium salt 31795-24-1	LD50 > 2000 mg/kg (Rattus) OECD Guideline 423		
POTASSIUM SILICATE (MR SiO ₂ /K ₂ O > 2.6) 1312-76-1	LD50 > 5000 mg/kg (Rattus) EPA OPPTS 870.1100 (Acute Oral Toxicity)	LD50 > 5000 mg/kg (Rattus) EPA OPPTS 870.1200 (Acute Dermal Toxicity)	

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

Skin corrosion/irritation Causes skin irritation.

Serious eye damage/eye irritation Causes serious eye damage.

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.

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

SECTION 12: Ecological information

12.1. Toxicity

Ecotoxicity

Chemical name	Algae/aquatic plants	Fish	Toxicity to Micro-organisms	Crustacea	M-Factor	M-Factor (long-term)
Silanetriol, methyl-, potassium salt	-	LC 50 > 500 mg/l (Danio)	-	EC50 >100 mg/l (Daphnia)		

SAFETY DATA SHEET

KIESEY HORIZONTALSTOPP
Supersedes Date: 12-Mar-2019

Revision date 28-Apr-2020
Revision Number 1.02

31795-24-1		erio) EU Method C.1		magna) OECD 202		
POTASSIUM SILICATE (MR SiO ₂ /K ₂ O > 2.6) 1312-76-1	-	LC50: =3185mg/L (96h, Brachydanio erio) LC50: 301 - 478mg/L (96h, Lepomis macrochirus)	-	EC50: =216mg/L (96h, Daphnia magna)		

12.2. Persistence and degradability

Persistence and degradability No information available.

12.3. Bioaccumulative potential

Bioaccumulation No information available.

12.4. Mobility in soil

Mobility in soil No information available.

12.5. Results of PBT and vPvB assessment

PBT and vPvB assessment . The components in this formulation do not meet the criteria for classification as PBT or vPvB.

Chemical name	PBT and vPvB assessment
Silanetriol, methyl-, potassium salt 31795-24-1	The substance is not PBT / vPvB
POTASSIUM SILICATE (MR SiO ₂ /K ₂ O > 2.6) 1312-76-1	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

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 Do not reuse empty containers. 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

SAFETY DATA SHEET

KIESEY HORIZONTALSTOPP
Supersedes Date: 12-Mar-2019

Revision date 28-Apr-2020
Revision Number 1.02

Land transport (ADR/RID)

14.1 UN 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	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 73/78 and the IBC Code	Not applicable

Air transport (ICAO-TI / IATA-DGR)

14.1 UN 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:

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

SAFETY DATA SHEET

KIESEY HORIZONTALSTOPP
Supersedes Date: 12-Mar-2019

Revision date 28-Apr-2020
Revision Number 1.02

Persistent Organic Pollutants
Not applicable

National Regulations

France

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 12 : Non-combustible liquids

Netherlands

List of Carcinogenic, mutagenic and reproductive toxin substances in accordance with Inspectorate SZW (Netherlands)
Not Listed

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

H314 - Causes severe skin burns and eye damage
H315 - Causes skin irritation
H318 - Causes serious eye damage
H319 - Causes serious eye irritation
H335 - May cause respiratory irritation

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

SAFETY DATA SHEET

KIESEY HORIZONTALSTOPP
Supersedes Date: 12-Mar-2019

Revision date 28-Apr-2020
Revision Number 1.02

Revision date 28-Apr-2020

Indication of changes

Revision note SDS sections updated, 1, 3, 8, 16.

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