

This safety data sheet was created pursuant to the requirements of: Regulation (EC) No. 1907/2006 and Regulation (EC) No. 1272/2008 This SDS is for generic information purposes and does not reflect required country specific information for OEL

# BOSTIK SIMSON PREP CS

Supercedes Date: 06-May-2021

Revision date 06-May-2021 Revision Number 1.03

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

1.1. Product identifier

Product Name Pure substance/mixture BOSTIK SIMSON PREP CS Mixture

#### 1.2. Relevant identified uses of the substance or mixture and uses advised against

Recommended use Uses advised against Primers, Sealers, and Undercoaters. 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

Serious eye damage/eye irritation	Category 2 - (H319)
Specific target organ toxicity — single exposure	Category 3 - (H336)
Flammable liquids	Category 2 - (H225)

#### 2.2. Label elements

Contains Isopropyl alcohol



Signal word Danger

Hazard statements

H319 - Causes serious eye irritation. H336 - May cause drowsiness or dizziness.

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H225 - Highly flammable liquid and vapour.

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

P210 - Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking

P261 - Avoid breathing dust/fume/gas/mist/vapours/spray

P312 - Call a POISON CENTER or doctor if you feel unwell

P370 + P378 - In case of fire: Use dry chemical, CO2, water spray or alcohol-resistant foam to extinguish

P403 + P233 - Store in a well-ventilated place. Keep container tightly closed

P501 - Dispose of contents/ container to an approved waste disposal plant

### 2.3. Other hazards

In use, may form flammable/explosive vapour-air mixture.

#### 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
Isopropyl alcohol	200-661-7	67-63-0	80 - 100	Eye Irrit. 2 (H319) STOT SE 3 (H336) Flam. Liq. 2 (H225)		01-2119457558- 25-XXXX
Butyl titanate	227-006-8	5593-70-4	1 - <3	STOT SE 3 (H335) STOT SE 3 (H336) Skin Irrit. 2 (H315) Eye Dam. 1 (H318) Flam Liq. 3 (H226)		01-2119967423- 33-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 >=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. IF exposed or concerned: Get medical advice/attention.	
Eye contact	Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Keep eye wide open while rinsing. Remove contact lenses, if present and easy to do. Continue rinsing. Get medical attention if irritation develops and persists.	
Skin contact	Wash off immediately with soap and plenty of water. If skin irritation or rash occurs: Get medical advice/attention.	
Ingestion	Do NOT induce vomiting. If swallowed, rinse mouth with water (only if the person is conscious). Never give anything by mouth to an unconscious person. Call a doctor.	
Self-protection of the first aider	Remove all sources of ignition. Ensure that medical personnel are aware of the material(s) involved, take precautions to protect themselves and prevent spread of contamination. Use personal protective equipment as required. See section 8 for more information. Avoid contact with skin, eyes or clothing.	
4.2. Most important symptoms and	effects, both acute and delayed	
Symptoms	Inhalation of high vapour concentrations may cause symptoms like headache, dizziness, tiredness, nausea and vomiting. Prolonged contact may cause redness and irritation.	
4.3. Indication of any immediate m	edical attention and special treatment needed	
Note to doctors	Treat symptomatically.	
SECTION 5: Firefighting mea	asures	
5.1. Extinguishing media		
Suitable Extinguishing Media	Dry chemical. Carbon dioxide (CO2). Water spray. Alcohol resistant foam.	
Unsuitable extinguishing media	Full water jet.	
5.2. Special hazards arising from t	he substance or mixture	
Specific hazards arising from the chemical	Risk of ignition. Keep product and empty container away from heat and sources of ignition. In the event of fire, cool tanks with water spray.	
Hazardous combustion products	Carbon dioxide (CO2).	
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 relea	ase measures	
6.1. Personal precautions, protecti	ve equipment and emergency procedures	
Personal precautions	Ensure adequate ventilation. Use personal protective equipment as required. Avoid	

Personal precationsEnsure adequate ventilation: Ose personal protective equipment as required. Avoid<br/>contact with skin, eyes or clothing. ELIMINATE all ignition sources (no smoking, flares,<br/>sparks or flames in immediate area). Take precautionary measures against static<br/>discharges.Other informationVentilate the area. Refer to protective measures listed in Sections 7 and 8.For emergency respondersUse personal protection recommended in Section 8.

6.2. Environmental precautions	
Environmental precautions	Do not allow to enter into soil/subsoil. Prevent product from entering drains. Refer to protective measures listed in Sections 7 and 8.
6.3. Methods and material for cont	ainment and cleaning up
Methods for containment	Contain and collect spillage with non-combustible absorbent material, (e.g. sand, earth, diatomaceous earth, vermiculite) and place in container for disposal according to local / national regulations (see Section 13).
Methods for cleaning up	Take precautionary measures against static discharges. Take up mechanically, placing in appropriate containers for disposal.
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 st	orage
7.1. Precautions for safe handling	_

Advice on safe handling Ensure adequate ventilation. Avoid breathing vapours or mists. Use personal protection equipment. Avoid contact with skin, eyes or clothing. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Take necessary action to avoid static electricity discharge (which might cause ignition of organic vapours). **General hygiene considerations** Do not eat, drink or smoke when using this product. Wash hands before breaks and after work. Contaminated work clothing should not be allowed out of the workplace. 7.2. Conditions for safe storage, including any incompatibilities **Storage Conditions** Keep containers tightly closed in a dry, cool and well-ventilated place. Store in accordance with the particular national regulations. Keep away from heat, sparks, flame and other sources of ignition (i.e., pilot lights, electric motors and static electricity). **Recommended storage** Keep at temperatures between 5 and 25 °C. temperature 7.3. Specific end use(s) Specific use(s)

Primers, Sealers, and Undercoaters. **Identified uses** 

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.

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# Derived No Effect Level (DNEL)

No information available

Derived No Effect Level (DNEL)				
Isopropyl alcohol (67-63-0)				
Туре	Exposure route	Derived No Effect Level (DNEL)	Safety factor	
worker Long term Systemic health effects	Inhalation	500 mg/m³		
worker Long term Systemic health effects	Dermal	888 mg/kg bw/d		

Butyl titanate (5593-70-4)				
Туре	Exposure route	Derived No Effect Level (DNEL)	Safety factor	
worker	Inhalation	127 mg/m <sup>3</sup>		
Long term				
Systemic health effects				

Derived No Effect Level (DNEL)				
Isopropyl alcohol (67-63-0)				
Туре	Exposure route	Derived No Effect Level (DNEL)	Safety factor	
Consumer Long term Systemic health effects	Inhalation	89 mg/m³		
Consumer Long term Systemic health effects	Dermal	319 mg/kg bw/d		
Consumer Long term Systemic health effects	Oral	26 mg/kg bw/d		

Butyl titanate (5593-70-4)			
Туре	Exposure route	Derived No Effect Level (DNEL)	Safety factor
Consumer Long term Systemic health effects	Inhalation	152 mg/m³	
Consumer Long term Systemic health effects	Dermal	37.5 mg/kg bw/d	
Consumer Long term Systemic health effects	Oral	3.75 mg/kg bw/d	

**Predicted No Effect Concentration** No information available. **(PNEC)** 

Predicted No Effect Concentration (PNEC)		
Isopropyl alcohol (67-63-0)		
Environmental compartment	Predicted No Effect Concentration (PNEC)	
Freshwater	140.9 mg/l	
Marine water	140.9 mg/l	
Sewage treatment plant	2251 mg/l	
Freshwater sediment	552 mg/kg dry weight	
Marine sediment	552 mg/kg dry weight	
Soil	28 mg/kg dry weight	

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Butyl titanate (5593-70-4)		
Environmental compartment	Predicted No Effect Concentration (PNEC)	
Freshwater	0.08 mg/l	
Marine water	0.008 mg/l	
Microorganisms in sewage treatment	65 mg/l	
Freshwater sediment	0.069 mg/kg dry weight	
Marine sediment	0.007 mg/kg dry weight	
Soil	0.017 ma/kg dry weight	

### 8.2. Exposure controls

Engineering controls

Ensure adequate ventilation, especially in confined areas.

Personal protective equipment	
Eye/face protection	Tight sealing safety goggles. Eye protection must conform to standard EN 166.
Hand protection	Wear suitable gloves. Recommended Use:. Neoprene <sup>™</sup> . Nitrile rubber. Butyl 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 240 min. Gloves must conform to standard EN 374
Skin and body protection	Wear suitable protective clothing.
Respiratory protection	In case of inadequate ventilation wear respiratory protection. During spraying wear suitable respiratory equipment.
Recommended filter type:	Organic gases and vapours filter conforming to EN 14387. Wear a respirator conforming to EN 140 with Type A/P2 filter or better.
Respiratory protection	breakthrough time for specific gloves. The breakthrough time for the mentioned glove material is in general greater than 240 min. Gloves must conform to standard EN 374 Wear suitable protective clothing. In case of inadequate ventilation wear respiratory protection. During spraying wear suitable respiratory equipment. Organic gases and vapours filter conforming to EN 14387. Wear a respirator conformi

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 Appearance Colour Odour Odour threshold	Liquid Liquid clear Alcohol No information available	
Property pH pH (as aqueous solution) Melting point / freezing point Initial boiling point and boiling range	Values No data available 7 - 8 No data available >= 77 °C	<b>Remarks • Method</b> Not applicable Insoluble in water solution (1 %)
Flash point Evaporation rate Flammability Flammability Limit in Air Upper flammability or explosive limits Lower flammability or explosive limits		CC (closed cup)
Vapour pressure Relative vapour density Relative density Water solubility Solubility(ies) Partition coefficient Autoignition temperature Decomposition temperature Kinematic viscosity	< 1100 No data available 0.75 - 0.85 Reacts with water No data available No data available No data available No data available No data available No data available	hPa @ 50 °C None known

Dynamic viscosity	approx 2 mPa s @ 20 °C
Explosive properties Oxidising properties	No data available No data available
9.2. Other information Solid content (%) VOC Content (%) Liquid Density	No information available 0.8 g/cm <sup>3</sup>
SECTION 10: Stability and re	eactivity
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	Yes.
10.3. Possibility of hazardous reac	tions
Possibility of hazardous reactions	None under normal processing.

# **SECTION 11: Toxicological information**

#### 11.1. Information on toxicological effects

10.6. Hazardous decomposition products

### Information on likely routes of exposure

### **Product Information**

10.4. Conditions to avoid

10.5. Incompatible materials

**Conditions to avoid** 

Incompatible materials

Hazardous decomposition

products

Inhalation	May cause drowsiness or dizziness.
Eye contact	Causes serious eye irritation.
Skin contact	Based on available data, the classification criteria are not met.
Ingestion	Based on available data, the classification criteria are not met.

Heat, flames and sparks.

None known based on information supplied.

None under normal use conditions.

Symptoms related to the physical, chemical and toxicological characteristics

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Symptoms

Inhalation of high vapour concentrations may cause symptoms like headache, dizziness, tiredness, nausea and vomiting.

Numerical measures of toxicity

Acute toxicity

# **Component Information**

Chemical name	Oral LD50	Dermal LD50	Inhalation LC50
Isopropyl alcohol	>5000 mg/Kg	= 4059 mg/kg (Oryctolagus	=72600 mg/m3 (Rattus) 4 h
67-63-0		cuniculus)	
Butyl titanate	=3122 mg/kg (Rattus)	>5000 mg/Kg (Oryctolagus	
5593-70-4		cuniculus)	

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

Skin corrosion/irritation	Based on available data, the classification criteria are not met.	
Serious eye damage/eye irritation	Causes serious eye irritation.	
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	May cause drowsiness or dizziness.	
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		
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

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### 12.1. Toxicity

## Ecotoxicity

Chemical name	Algae/aquatic	Fish	Toxicity to	Crustacea	M-Factor	M-Factor
	plants		microorganisms			(long-term)
Isopropyl alcohol	EC50 72 h >	LC50 96 h >	-	EC50:		
67-63-0	1000 mg/L	1400000 ?g/L		=13299mg/L		
	(Desmodesmus	(Lepomis		(48h, Daphnia		
	subspicatus)	macrochirus)		magna)		
Butyl titanate	-	1825 mg/l	-	1300 mg/l		
5593-70-4				(Daphnia		
				magna)		

### 12.2. Persistence and degradability

Persistence and degradability No information available.

#### 12.3. Bioaccumulative potential

**Bioaccumulation** 

There is no data for this product.

### **Component Information**

Chemical name	Partition coefficient	Bioconcentration factor (BCF)
Isopropyl alcohol 67-63-0	0.05	-
Butyl titanate 5593-70-4	0.84	-

# 12.4. Mobility in soil

Mobility in soil No information available.

#### 12.5. Results of PBT and vPvB assessment

### PBT and vPvB assessment

Chemical name	PBT and vPvB assessment
Isopropyl alcohol	The substance is not PBT / vPvB
67-63-0	PBT assessment does not apply
Butyl titanate 5593-70-4	The substance is not PBT / vPvB

### 12.6. Other adverse effects

Other adverse effects No i

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	Handle contaminated packages in the same way as the product itself. Empty containers

	pose a potential fire and explosion hazard. Do not cut, puncture or weld containers.
European Waste Catalogue	08 04 09* waste adhesives and sealants containing organic solvents or other dangerous substances
	15 01 10*: Packaging containing residues of or contaminated by 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:	The shipping descriptions shown here are for bulk shipments only, and may not apply to shipments made in non-bulk packages (see regulatory definition). The information shown here, may not always agree with the bill of lading shipping description for the material.
Land transport (ADR/RID) 14.1 UN number or ID number 14.2 Proper Shipping Name 14.3 Transport hazard class(es) Labels 14.4 Packing group Description 14.5 Environmental hazards 14.6 Special Provisions Classification code Tunnel restriction code Limited Quantity (LQ) ADR Hazard Id (Kemmler Number)	UN1993 Flammable liquid, n.o.s. (Isopropyl alcohol, Butyl titanate) 3 II UN1993, Flammable liquid, n.o.s. (Isopropyl alcohol, Butyl titanate), 3, II, (D/E) Not applicable 274, 601, 640C F1 (D/E) 1 L 33
IMDG 14.1 UN number or ID number 14.2 Proper Shipping Name 14.3 Transport hazard class(es) 14.4 Packing group Description 14.5 Marine pollutant 14.6 Special Provisions Limited Quantity (LQ) EmS-No 14.7 Transport in bulk according	UN1993 Flammable liquid, n.o.s. (Isopropyl alcohol, Butyl titanate) 3 II UN1993, Flammable liquid, n.o.s. (Isopropyl alcohol, Butyl titanate), 3, II, (12°C c.c.) NP 274 1 L F-E, S-E to Annex II of MARPOL and the IBC Code Not applicable
Air transport (ICAO-TI / IATA-DGR 14.1 UN number or ID number 14.2 Proper Shipping Name 14.3 Transport hazard class(es) 14.4 Packing group Description 14.5 Environmental hazards 14.6 Special Provisions Limited Quantity (LQ) ERG Code	UN1993 Flammable liquid, n.o.s. (Isopropyl alcohol, Butyl titanate) 3 II UN1993, Flammable liquid, n.o.s. (Isopropyl alcohol, Butyl titanate), 3, II Not applicable A3 1 L 3H

# Section 15: REGULATORY INFORMATION

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

# European Union

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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 >=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)

#### Dangerous substance category per Seveso Directive (2012/18/EU)

P5a - FLAMMABLE LIQUIDS P5b - FLAMMABLE LIQUIDS P5c - FLAMMABLE LIQUIDS

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
Isopropyl alcohol	RG 84
67-63-0	

#### <u>Germany</u>

Ordinance on Industrial Safety and Health - Germany - BetrSichV Flammable liquid (R11), EEC: refer to Annex III No. 1 (fire and explosion hazards) and § 7 paragraph 4

Water hazard class (WGK)	slightly hazardous to water (WGK 1)
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# TRGS - 510 Storage Class Storage Class 3 : Flammable liquids

#### Netherlands

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

DenmarkRegistration number(s) (P-no.)No information availableNorwayRegistration number(s) (PRN-no.)No information available

### 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

H225 - Highly flammable liquid and vapour
H226 - Flammable liquid and vapour
H315 - Causes skin irritation
H318 - Causes serious eye damage
H319 - Causes serious eye irritation
H335 - May cause respiratory irritation
H336 - May cause drowsiness or dizziness

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	06-May-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,

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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