



# SAFETY DATA SHEET

This safety data sheet was created pursuant to the requirements of:  
Hazardous Substances (Safety Data Sheets) Notice 2017 EPA Consolidation 30  
September 2022

**BOSTIK SIMSON ISR 70-03 GREY**  
Revision Number 1.01

**Revision date** 29-Apr-2025  
**Supersedes date** 05-Apr-2023

## Section 1: Identification

### Product identifier

**Product Name** BOSTIK SIMSON ISR 70-03 GREY

### Other means of identification

### Recommended use of the chemical and restrictions on use

**Recommended use** Adhesives

**Uses advised against** No information available

### Details of the supplier of the safety data sheet

#### Supplier

Bostik New Zealand Limited  
19 Eastern Hutt Road Wingate,  
Lower Hutt, New Zealand  
Tel: 04-567 5119  
Fax: 04-567 5412

#### Manufacturer

Bostik SA  
51 Esplanade du Général de Gaulle  
92800 Puteaux – La Défense  
FRANCE  
Tel: +33 (0)1 49 00 90 00

**E-mail address** SDS.AP@Bostik.com

### Emergency telephone number

**Emergency Telephone** 24 Hr: 0800 243 622  
International +64 4 917 9888  
Poison Centre : 0800 764 766

## Section 2: Hazard identification

### GHS Classification

Not a hazardous substance or mixture according to the Globally Harmonized System (GHS). Not classified.

### Label elements

### Hazard statements

### Other hazards which do not result in classification

Small amounts of methanol (CAS 67-56-1) are formed by hydrolysis and released upon curing.

## Section 3: Composition/information on ingredients

Chemical name	CAS No.	Weight-%
Carbonic acid, calcium salt (1:1)	471-34-1	20- <40
Precipitated nano calcium carbonate coated with calcium stearate	471-34-1	10 - <20
Trimethoxyvinylsilane	2768-02-7	1 - <3
1-Propanamine, 3-(trimethoxysilyl)-	13822-56-5	1 - <3

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Chemical name	CAS No.	Weight-%
Titanium dioxide	13463-67-7	1 - <3
Non-hazardous ingredients	Proprietary	Balance

## Section 4: First-aid measures

### Description of first aid measures

General advice	Show this safety data sheet to the doctor in attendance. If medical advice is needed, have product container or label at hand.
Inhalation	Remove to fresh air. If symptoms persist, call a physician.
Eye contact	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.
Skin contact	Wash skin with soap and water.
Ingestion	Small amounts of toxic methanol are released by hydrolysis. Small amounts of toxic methanol are released by hydrolysis. Call a physician immediately. Never give anything by mouth to an unconscious person. Rinse mouth thoroughly with water.

### Most important symptoms and effects, both acute and delayed

Symptoms	None known.
Effects of Exposure	No information available.

### Indication of any immediate medical attention and special treatment needed

Note to physicians	Small amounts of methanol (CAS 67-56-1) are formed by hydrolysis and released upon curing. Small amounts of methanol (CAS 67-56-1) are formed by hydrolysis and released, when the product is exposed to moisture or water. Treat symptomatically.
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## Section 5: Fire-fighting measures

### Suitable Extinguishing Media

Suitable Extinguishing Media	Water spray, carbon dioxide (CO <sub>2</sub> ), dry chemical, alcohol-resistant foam.
Large Fire	CAUTION: Use of water spray when fighting fire may be inefficient.
Unsuitable extinguishing media	Full water jet.

### Specific hazards arising from the chemical

Specific hazards arising from the chemical	Thermal decomposition can lead to release of irritating gases and vapors.
Hazardous combustion products	Carbon oxides. Carbon monoxide. Carbon dioxide (CO <sub>2</sub> ). Nitrogen oxides (NO <sub>x</sub> ). Silicon dioxide.

### Special protective actions for fire-fighters

Special protective equipment and precautions for fire-fighters	Wear self contained breathing apparatus for fire fighting if necessary.
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## Section 6: Accidental release measures

### Personal precautions, protective equipment and emergency procedures

**Personal precautions** Use personal protective equipment as required. Ensure adequate ventilation. Do not get in eyes, on skin, or on clothing.

**For emergency responders** Use personal protection recommended in Section 8.

### Environmental precautions

**Environmental precautions** Prevent product from entering drains. Do not allow to enter into soil/subsoil. See Section 12 for additional Ecological Information.

### Methods and material for containment and cleaning up

**Methods for containment** Do not scatter spilled material with high pressure water streams.

**Methods for cleaning up** Pick up and transfer to properly labeled containers.

### Precautions to prevent secondary hazards

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

## Section 7: Handling and storage

### Precautions for safe handling

**Advice on safe handling** Handle in accordance with good industrial hygiene and safety practice.

**General hygiene considerations** Do not eat, drink or smoke when using this product. Wash hands before breaks and after work.

### Conditions for safe storage, including any incompatibilities

**Storage Conditions** Keep containers tightly closed in a cool, well-ventilated place. Protect from moisture. Keep away from food, drink and animal feeding stuffs.

**Recommended storage temperature** Keep at temperatures between 50 and 95 °F / 10 and 35 °C. Keep at temperatures between 50 and 95 °F / 10 and 35 °C.

**Incompatible materials** None known based on information supplied.

## Section 8: Exposure controls/personal protection

### Working area parameters, subject to mandatory control (MAC or TSEL)

**Exposure Limits** This product contains substances which in their raw state are powder form, however in this product they are in a non-respirable form. Inhalation of powder/dust particles is unlikely to occur from exposure to this product. Small amounts of methanol (CAS 67-56-1) are formed by hydrolysis and released upon curing. This product contains titanium dioxide in a non-respirable form. Inhalation of titanium dioxide is unlikely to occur from exposure to this product.

Chemical name	New Zealand	ACGIH TLV	United Kingdom	Australia
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Carbonic acid, calcium salt (1:1) 471-34-1	TWA: 10 mg/m <sup>3</sup> ;	-	-	TWA: 10 mg/m <sup>3</sup> ; inhalable dust
Precipitated nano calcium carbonate coated with calcium stearate 471-34-1	TWA: 10 mg/m <sup>3</sup> ;	-	-	TWA: 10 mg/m <sup>3</sup> ; inhalable dust
Titanium dioxide 13463-67-7	TWA: 10 mg/m <sup>3</sup> ;	TWA: 0.2 mg/m <sup>3</sup> nanoscale respirable particulate matter TWA: 2.5 mg/m <sup>3</sup> finescale respirable particulate matter	TWA: 10 mg/m <sup>3</sup> ; total inhalable TWA: 4 mg/m <sup>3</sup> ; respirable STEL: 30 mg/m <sup>3</sup> ; total inhalable STEL: 12 mg/m <sup>3</sup> ; respirable	TWA: 10 mg/m <sup>3</sup> ; inhalable dust
<b>Chemical name</b>	<b>New Zealand</b>	<b>ACGIH TLV</b>	<b>United Kingdom</b>	<b>Australia</b>
Methyl alcohol 67-56-1	TWA: 200 ppm; TWA: 262 mg/m <sup>3</sup> ; STEL: 250 ppm; STEL: 328 mg/m <sup>3</sup> ; dSk	TWA: 200 ppm STEL: 250 ppm pSk	TWA: 200 ppm; TWA: 266 mg/m <sup>3</sup> ; STEL: 250 ppm; STEL: 333 mg/m <sup>3</sup> ; pSk	TWA: 200 ppm; TWA: 262 mg/m <sup>3</sup> ; STEL: 250 ppm; STEL: 328 mg/m <sup>3</sup> ;

**Biological occupational exposure limits** This product, as supplied, does not contain any hazardous materials with biological limits established by the region specific regulatory bodies.

## Appropriate engineering controls

**Engineering controls** Showers  
Eyewash stations  
Ventilation systems.

## Individual protection measures, such as personal protective equipment

**Eye/face protection** No special protective equipment required.

**Hand protection** No special protective equipment required.

**Skin and body protection** No special protective equipment required.

**Respiratory protection** No protective equipment is needed under normal use conditions. If exposure limits are exceeded or irritation is experienced, ventilation and evacuation may be required.

**Environmental exposure controls** No information available.

## **Section 9: Physical and chemical properties**

### Information on basic physical and chemical properties

**Physical state** Solid

**Appearance** Paste

**Color** Gray

**Odor** Slight.

**Odor threshold** Not applicable

<u>Property</u>	<u>Values</u>	<u>Remarks • Method</u>
<b>pH</b>	No data available	Reacts with water
Not applicable		<b>Melting point / freezing point</b> No data available

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Not applicable	Initial boiling point and boiling range	No data available
CC (closed cup)	Flash point	No data available
None known	Evaporation rate	No data available
	Flammability	No data available
	Flammability Limit in Air	
None known	Upper flammability or explosive limits	No data available
	Lower flammability or explosive limits	No data available
Not applicable	Vapor pressure	No data available
Not applicable	Relative vapor density	No data available
None known	Relative density	No data available
Reacts with water	Water solubility	Reacts with water
None known	Solubility(ies)	No data available
None known	Partition coefficient	No data available
None known	Autoignition temperature	No data available
	Decomposition temperature	
None known	Kinematic viscosity	No data available
None known	Dynamic viscosity	10000 - Pa.s
@ 20 °C		
<b>Explosive properties</b>		No information available.
<b>Oxidizing properties</b>		No information available.
<b>Other information</b>		
<b>Softening point</b>		No information available
<b>Molecular weight</b>		No information available
<b>VOC content</b>		No information available
<b>Liquid Density</b>		1.48 g/ml
<b>Bulk density</b>		No information available
<b>Particle characteristics</b>		Not applicable

## Section 10: Stability and reactivity

### Reactivity

**Reactivity** Product cures with moisture.

### Chemical stability

**Stability** Stable under normal conditions.

### Explosion data

**Sensitivity to mechanical impact** None.

**Sensitivity to static discharge** None.

### Possibility of hazardous reactions

**Possibility of hazardous reactions** None under normal processing.

### Conditions to avoid

**Conditions to avoid** Product cures with moisture. Protect from moisture. Exposure to air or moisture over prolonged periods. Do not freeze. Keep away from open flames, hot surfaces and sources of ignition.

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## Incompatible materials

**Incompatible materials** None known based on information supplied.

## Hazardous decomposition products

**Hazardous decomposition products** None under normal use conditions. Small amounts of methanol (CAS 67-56-1) are formed by hydrolysis and released upon curing.

## Section 11: Toxicological information

### Acute toxicity

### Information on likely routes of exposure

#### Product Information

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

**Eye contact** The test item induced a mean In-vitro irritancy score  $\leq 3$ , the test item was considered as a test chemical not requiring classification for eye irritation or serious eye damage (UN GHS No Category).

**Skin contact** Based on available data, the classification criteria are not met. May cause sensitization in susceptible persons.

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

**Symptoms** No information available.

### Acute toxicity

#### Numerical measures of toxicity

#### The following ATE values have been calculated for the mixture

ATEmix (oral) 39,973.50 mg/kg  
ATEmix (dermal) >5000 mg/kg  
ATEmix (inhalation-gas) >20000 ppm  
ATEmix (inhalation-vapor) 331.90 mg/l  
ATEmix (inhalation-dust/mist) >5 mg/l

#### Component Information

Chemical name	Oral LD50	Dermal LD50	Inhalation LC50
Carbonic acid, calcium salt (1:1)	LD50 > 2000 mg/kg (Rattus) OECD 420	LD50 >2000 mg/kg (Rattus) OECD 402	LC50 (4h) >3mg/ml (Rattus)
Precipitated nano calcium carbonate coated with calcium stearate	= 6450 mg/kg ( Rat )	> 2000 mg/kg ( Rat )	> 3.003 mg/L ( Rat ) 4 h
Trimethoxyvinylsilane	LD50 = 7120 -7236 mg/kg (Rattus) OECD 401	= 3540 mg/kg (Oryctolagus cuniculus)	LC50 (4hr) 16.8 mg/l (Rattus) OECD TG 403
1-Propanamine, 3-(trimethoxysilyl)-	LD50 (Rattus) > 2000 mg/ kg (2,97 ml/kg) (OECD 401)	LD50 (Oryctolagus cuniculus) > 2000 mg/kg 11,3 ml/kg) OECD 402	-
Titanium dioxide	>10000 mg/kg (Rattus)	LD50 > 5000 mg/Kg	= 5.09 mg/L ( Rattus ) 4 h

### 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.

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Trimethoxyvinylsilane (2768-02-7)

Method	Species	Exposure route	Effective dose	Exposure time	Results
	Rabbit	Dermal	0.5 mL	24 hours	Non-irritant

Titanium dioxide (13463-67-7)

Method	Species	Exposure route	Effective dose	Exposure time	Results
OECD Test No. 404: Acute Dermal Irritation/Corrosion	Rabbit	Dermal			Non-irritant

**Serious eye damage/eye irritation** No classification is proposed, based on conclusive negative data. By analogy to another tested similar product: No irritation after contact to the eyes. (H319 is void).

Method	Species	Exposure route	Effective dose	Exposure time	Results
OECD 437 Bovine Corneal Opacity and Permeability (BCOP) test	Bovine	Corneal	Product 100 %	10 minutes	Product score <3 Non-irritant

Component Information

Trimethoxyvinylsilane (2768-02-7)

Method	Species	Exposure route	Effective dose	Exposure time	Results
OECD Test No. 405: Acute Eye Irritation/Corrosion	Rabbit	eye		24 hours	Non-irritant

1-Propanamine, 3-(trimethoxysilyl)- (13822-56-5)

Method	Species	Exposure route	Effective dose	Exposure time	Results
OECD Test No. 405: Acute Eye Irritation/Corrosion	Rabbit	eye		72 hours	irritant

Titanium dioxide (13463-67-7)

Method	Species	Exposure route	Effective dose	Exposure time	Results
OECD Test No. 405: Acute Eye Irritation/Corrosion	Rabbit	Eye			Non-irritant

**Respiratory or skin sensitization** OECD Test No. 406: Skin Sensitization. No sensitization responses were observed. No classification is proposed, based on conclusive negative data. May cause sensitization in susceptible persons.

Method	Species	Exposure route	Results
OECD Test No. 406: Skin Sensitization	Guinea pig	Dermal	No sensitization responses were observed

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

Trimethoxyvinylsilane (2768-02-7)

Method	Species	Results
OECD Test No. 471: Bacterial Reverse Mutation Test	in vitro	Not mutagenic

**Carcinogenicity** This product contains substances which in their raw state are powder form, however in this product they are in a non-respirable form. Inhalation of powder/dust particles is unlikely to occur from exposure to this product.

The table below indicates whether each agency has listed any ingredient as a carcinogen.

Chemical name	New Zealand	IARC
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Titanium dioxide - 13463-67-7	-	Group 2B
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## Legend

**IARC (International Agency for Research on Cancer)**  
Group 2B - Possibly Carcinogenic to Humans

**Reproductive toxicity** Based on available data, the classification criteria are not met.

Trimethoxyvinylsilane (2768-02-7)

Method	Species	Results
OECD Test No. 422: Combined Repeated Dose Toxicity Study with the Reproduction/Developmental Toxicity Screening Test	Rat	Not Classifiable

**STOT - single exposure** Based on available data, the classification criteria are not met.

**Narcotic effects** No information available.

**STOT - repeated exposure** Based on available data, the classification criteria are not met.

Trimethoxyvinylsilane (2768-02-7)

Method	Species	Exposure route	Effective dose	Exposure time	Results
OECD Test No. 413: Subchronic Inhalation Toxicity: 90-day Study	Rat	Inhalation vapor		90 days	0.058 NOAEL

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

## Section 12: Ecological information

### Ecotoxicity

#### Ecotoxicity

#### Aquatic ecotoxicity

Chemical name	Algae/aquatic plants	Fish	Crustacea
Carbonic acid, calcium salt (1:1)	IC50 72H Algae >1000 mg/l	CL50 96H >1000 mg/l	EC50 48H Daphnia >1000 mg/l
Trimethoxyvinylsilane	EC 50 (72h) > 957 mg/l (Desmodesmus subspicatus) EU Method C.3	LC50 (96h) = 191 mg/l (Oncorhynchus mykiss)	EC50(48hr) 168.7mg/l (Daphnia magna)
1-Propanamine, 3-(trimethoxysilyl)-	EC50 (72h) > 1000 mg/l (Desmodesmus subspicatus) EU Method C.3 (Algal Inhibition test)	LC50 (96h) > >934 mg/L (Danio rerio) OECD 203	EC50 (48h) = 331 mg/L (Daphnia magna) OECD 202
Titanium dioxide	LC50 (96h) >10000 mg/l (Cyprinodon variegatus) OECD 203	-	-

**Terrestrial ecotoxicity** There is no data for this product.

**Persistence and degradability** No information available.



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## Bioaccumulative potential Bioaccumulation Component Information

Chemical name	Partition coefficient
Trimethoxyvinylsilane	1.1

## Mobility in soil

**Mobility** No information available.

## Other adverse effects

No information available.

## Disposal methods

**Waste from residues/unused products** Not applicable. Not Hazardous. Dispose of contents/container in accordance with local, regional, national, and international regulations as applicable.

**Contaminated packaging** Not applicable. Not Hazardous. Handle contaminated packages in the same way as the product itself.

## Section 14: Transport information

IATA Not regulated

IMDG Not regulated

**Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code**  
No information available

ADR Not regulated

## Section 15: Regulatory information

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

#### National regulations

**EPA New Zealand HSNO approval code or group standard** Not applicable

**National regulations** There are no applicable tolerable exposure limits or environmental exposure limits according to the EPA Controls for Hazardous Substances

#### **Certified handlers, tracking and controlled substance license requirements**

Certified handlers are required for some substances. This includes substances requiring a controlled substance license, and most explosives, vertebrates toxic agents, and certain fumigants. Acutely toxic substances which are a Category 1 or 2, such as pesticides also require Certified handlers. Please check the Health and Safety at Work Act 2015 for further information  
Tracking is required for some highly hazardous substances. These substances need to be under the control of an appropriately trained person or appropriately secured. Please check the Health and Safety at Work Act 2015 for further information  
Controlled substance licenses are required to possess certain explosives, vertebrate toxic agents and fumigants. See Part 7 of the Health and Safety at Work Regulation 2017 for more information

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## International Regulations

**The Montreal Protocol on Substances that Deplete the Ozone Layer** Not applicable

**The Stockholm Convention on Persistent Organic Pollutants** Not applicable

**The Rotterdam Convention** Not applicable

## Europe

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

#### **SVHC: Substances of Very High Concern for Authorization:**

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 16: Other information**

**Prepared By** Product Safety & Regulatory Affairs

**Revision date** 29-Apr-2025

#### **Revision Note**

SDS sections updated. 1. 2. 3. 8. 9. 11. 12. 15.

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

#### **Legend**

SVHC: Substances of Very High Concern for Authorization:

PBT: Persistent, Bioaccumulative, and Toxic (PBT) Substances

vPvB: Very Persistent and very Bioaccumulative (vPvB) Substances

STOT: Specific Target Organ Toxicity

ATE: Acute Toxicity Estimate

LC50: 50% Lethal Concentration

LD50: 50% Lethal Dose

#### **Legend Section 8: EXPOSURE CONTROLS/PERSONAL PROTECTION**

TWA TWA (time-weighted average)

STEL

STEL (Short Term Exposure Limit)

Ceiling Maximum limit value

Sk\*

Skin designation

\*\* Hazard Designation

+

Sensitizers

C Carcinogen

#### **Key literature references and sources for data used to compile the SDS**

Agency for Toxic Substances and Disease Registry (ATSDR)

U.S. Environmental Protection Agency ChemView Database

European Food Safety Authority (EFSA)

Environmental Protection Agency

Acute Exposure Guideline Level(s) (AEGl(s))

U.S. Environmental Protection Agency Federal Insecticide, Fungicide, and Rodenticide Act

U.S. Environmental Protection Agency High Production Volume Chemicals

Food Research Journal

Hazardous Substance Database

International Uniform Chemical Information Database (IUCLID)

National Institute of Technology and Evaluation (NITE)

Australia National Industrial Chemicals Notification and Assessment Scheme (NICNAS)

NIOSH (National Institute for Occupational Safety and Health)

National Library of Medicine's ChemID Plus (NLM CIP)

National Library of Medicine's PubMed database (NLM PUBMED)

U.S. National Toxicology Program (NTP)

New Zealand's Chemical Classification and Information Database (CCID)

Organization for Economic Co-operation and Development Environment, Health, and Safety Publications

Organization for Economic Co-operation and Development High Production Volume Chemicals Program

Organization for Economic Co-operation and Development Screening Information Data Set

World Health Organization

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## 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**