

This safety data sheet was created pursuant to the requirements of:  
GHS: The Globally Harmonized System of Classification and Labeling of Chemicals

**ISR 70-03 WHITE**  
Revision Number 3.02

Revision date 15-Aug-2021  
Supersedes Date: 17-Jul-2019

## 1. Identification

### Product identifier

**Product Name** ISR 70-03 WHITE  
**Pure substance/mixture** Mixture

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

#### Responsible Party

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

#### Manufacturer

Bostik SA  
420 rue d'Estienne d'Orves  
92700 Colombes  
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  
+64 4 917 9888  
Poison Centre : 0800 764 766

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

**Recommended use** Adhesives and/or sealants  
**Restrictions on use** No information available

## 2. Hazard(s) identification

### Classification of the substance or mixture

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

### Label elements

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

### **Prevention**

P264 - Wash hands thoroughly after handling  
P281 - Use personal protective equipment as required

### **Skin**

P303 + P361 + P353 - IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower

### **Eyes**

P305 + P351 + P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing

### **Storage**

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

### **Disposal**

P501 - Dispose of contents/containers in accordance with local regulations

### Other hazards

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 upon curing May be harmful in contact with skin

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## 3. Composition/information on ingredients

### Substance

Not applicable.

### Mixture

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

Chemical name	CAS No.	Weight-%
Trimethoxyvinylsilane	2768-02-7	1 - <3
Titanium dioxide	13463-67-7	1 - <3
1-Propanamine, 3-(trimethoxysilyl)-	13822-56-5	1 - <3
Bis(2,2,6,6-tetramethyl-4-piperidyl) sebacate	52829-07-9	0.1- <1

\*\*\* Any remaining ingredients are not hazardous

## 4. First-aid measures

### Description of necessary first aid measures

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

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

**Symptoms** None known.

### For emergency responders

**Self-protection of the first aider** No information available.

### Note to physicians

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

## 5. Fire-fighting measures

### Extinguishing media

**Suitable extinguishing media** Water spray, carbon dioxide (CO<sub>2</sub>), dry chemical, alcohol-resistant foam.

**Unsuitable extinguishing media** Full water jet.

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

**Hazardous combustion products** Carbon monoxide. Carbon dioxide (CO<sub>2</sub>). Nitrogen oxides (NO<sub>x</sub>). Silicon oxides. Silicon dioxide.

### Special protective actions for

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## fire-fighters

Wear self contained breathing apparatus for fire fighting if necessary.

## 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** 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

Do not scatter spilled material with high pressure water streams. Do not scatter spilled material with high pressure water streams.

Pick up and transfer to properly labeled containers.

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

## 7. Handling and storage

### Precautions for safe handling

Handle in accordance with good industrial hygiene and safety practice.

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

See Section 8 for information on appropriate personal protective equipment

### Conditions for safe storage, including any incompatibilities

Protect from moisture. Keep away from food, drink and animal feeding stuffs.

Keep at temperatures between 50 and 95 °F / 10 and 35 °C.

## 8. Exposure controls/personal protection

### Occupational exposure limits

Chemical name	New Zealand	Australia	European Union
Titanium dioxide 13463-67-7	TWA: 10 mg/m <sup>3</sup>	10 mg/m <sup>3</sup> TWA	-

Chemical name	ACGIH TLV	NIOSH	OSHA PEL
Titanium dioxide 13463-67-7	TWA: 10 mg/m <sup>3</sup>	IDLH: 5000 mg/m <sup>3</sup> TWA: 2.4 mg/m <sup>3</sup> CIB 63 fine TWA: 0.3 mg/m <sup>3</sup> CIB 63 ultrafine, including engineered nanoscale	TWA: 15 mg/m <sup>3</sup> total dust (vacated) TWA: 10 mg/m <sup>3</sup> total dust

**Derived No Effect Level (DNEL)** No information available

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

### Engineering controls

Ensure adequate ventilation, especially in confined areas.

### Individual protection measures, such as personal protective equipment

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<b>Eye/face protection</b>	Wear safety glasses with side shields (or goggles).
<b>Hand protection</b>	Wear suitable gloves. Recommended Use: Neoprene™. Nitrile rubber. Butyl rubber. Glove thickness > 0.7mm. The breakthrough time for the mentioned glove material is in general greater than 480 min. Ensure that the breakthrough time of the glove material is not exceeded. Refer to glove supplier for information on breakthrough time for specific gloves.
<b>Skin and body protection</b>	None under normal use conditions.
<b>Respiratory protection</b>	In case of inadequate ventilation wear respiratory protection. Wear a respirator conforming to EN 140 with Type A/P2 filter or better. Ensure adequate ventilation, especially in confined areas.
<b>Recommended filter type:</b>	Organic gases and vapors filter conforming to EN 14387. White. Brown.
<b>Environmental exposure controls</b>	Do not allow uncontrolled discharge of product into the environment.

## 9. Physical and chemical properties

### Information on basic physical and chemical properties

<b>Appearance</b>	Paste
<b>Color</b>	White
<b>Physical state</b>	Solid
<b>Odor</b>	Slight
<b>Odor threshold</b>	Not applicable

<u>Property</u>	<u>Values</u>	<u>Remarks • Method</u>
<b>pH</b>	7	
<b>pH (as aqueous solution)</b>	No data available	
<b>Melting point / freezing point</b>	No data available	
<b>Initial boiling point and boiling range</b>	No data available	
<b>Flash point</b>	No data available	
<b>Evaporation rate</b>	No data available	
<b>Flammability</b>	Not applicable for liquids	
<b>Flammability Limit in Air</b>		
<b>Upper flammability or explosive limits</b>	No data available	
<b>Lower flammability or explosive limits</b>	No data available	
<b>Vapor pressure</b>	No data available	
<b>Relative vapor density</b>	No data available	
<b>Relative density</b>	No data available	
<b>Water solubility</b>	Insoluble in water	
<b>Solubility(ies)</b>	No data available	
<b>Partition coefficient</b>	No data available	
<b>Autoignition temperature</b>	No data available	
<b>Decomposition temperature</b>	No data available	
<b>Kinematic viscosity</b>	No data available	
<b>Dynamic viscosity</b>	7000 - 13000 Pa.s	@ 20 °C

### Additional information

<b>Oxidizing properties</b>	No information available
<b>Solid content (%)</b>	No information available
<b>Density</b>	1.50 g/ml

## 10. Stability and reactivity

<b>Reactivity</b>	Product cures with moisture.
<b>Stability</b>	Stable under normal conditions.
<b>Sensitivity to mechanical impact</b>	None.
<b>Sensitivity to static discharge</b>	None.

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

**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.

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

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

## 11. Toxicological information

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

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

**Skin contact** May be harmful in contact with skin.

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

### Acute Toxicity

#### Numerical measures of toxicity

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

ATEmix (dermal) 4,133.50 mg/kg  
ATEmix (inhalation-vapor) 394.20 mg/l

#### Component Information

Chemical name	Oral LD50	Dermal LD50	Inhalation LC50
Trimethoxyvinylsilane	LD50 = 7120 -7236 mg/kg (Rattus) OECD 401	= 3540 mg/kg (Oryctolagus cuniculus)	LC50 (4hr) 16.8 mg/l (Rattus) OECD TG 403
Titanium dioxide	>10000 mg/kg (Rattus)	LD50 > 10000 mg/Kg	>5 mg/l
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	-
Bis(2,2,6,6-tetramethyl-4-piperidyl) sebacate	LD50 (Rattus)> 2000 mg/kg OECD 423	LD50 (Rattus) > 3 170 mg/kg OECD 402	=500 mg/m <sup>3</sup> (Rattus) 4 h

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

#### Component Information

##### 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					Non-irritant

##### Bis(2,2,6,6-tetramethyl-4-piperidyl) sebacate (52829-07-9)

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

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

Product Information					
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

Bis(2,2,6,6-tetramethyl-4-piperidyl) sebacate (52829-07-9)					
Method	Species	Exposure route	Effective dose	Exposure time	Results
OECD Test No. 405: Acute Eye Irritation/Corrosion	Rabbit	eye			Eye Damage

**Respiratory or skin sensitization** Based on available data, the classification criteria are not met.

Product Information			
Method	Species	Exposure route	Results
OECD Test No. 406: Skin Sensitization	Guinea pig	Dermal	Not a skin sensitizer
OECD Test No. 406: Skin Sensitization	Guinea pig	Dermal	No sensitization responses were observed

Component Information			
Trimethoxyvinylsilane (2768-02-7)			
Method	Species	Exposure route	Results
OECD Test No. 406: Skin Sensitization	Guinea pig	Dermal	Not a skin sensitizer

1-Propanamine, 3-(trimethoxysilyl)- (13822-56-5)			
Method	Species	Exposure route	Results
OECD Test No. 406: Skin Sensitization	Guinea pig	Dermal	Did not cause sensitization on laboratory animals

Bis(2,2,6,6-tetramethyl-4-piperidyl) sebacate (52829-07-9)			
Method	Species	Exposure route	Results
OECD Test No. 406: Skin Sensitization	Guinea pig		No sensitization responses were observed

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

Component Information		
Trimethoxyvinylsilane (2768-02-7)		
Method	Species	Results
OECD Test No. 471: Bacterial Reverse Mutation Test	in vitro	Not mutagenic

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## Carcinogenicity

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

Chemical name	China	IARC
Titanium dioxide	Possibly carcinogenic to humans	Group 2B

## 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.

Component Information		
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

  

1-Propanamine, 3-(trimethoxysilyl)- (13822-56-5)		
Method	Species	Results
OECD Test No. 408: Repeated Dose 90-Day Oral Toxicity Study in Rodents	Rat	Not Classifiable

  

Bis(2,2,6,6-tetramethyl-4-piperidyl) sebacate (52829-07-9)		
Method	Species	Results
OECD Test No. 414: Prenatal Development Toxicity Study	Rat, Rabbit	Reproductive toxicant

**Specific target organ toxicity (single exposure)** Based on available data, the classification criteria are not met.

**Specific target organ toxicity (repeated exposure)** Based on available data, the classification criteria are not met.

Component Information					
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

**Target organ effects** Eyes. Lungs. Respiratory system. Skin. Reproductive system.  
**Aspiration hazard** Based on available data, the classification criteria are not met.

## 12. Ecological information

### Ecotoxicity

Chemical name	Algae/aquatic plants	Fish	Crustacea
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)
Titanium dioxide	LC50 (96h) >10000 mg/l	-	-

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	(Cyprinodon variegatus) OECD 203		
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
Bis(2,2,6,6-tetramethyl-4-piperidyl) sebacate	EC50 72Hr 0.705 mg/l (Pseudokirchnerella subcapitata)	LC50 (96h) = 5.29 mg/l (Oryzias latipes)	LC50 48Hr 8.58 mg/l (Daphnia magna)

**Persistence and degradability** No information available.

**Bioaccumulative potential** There is no data for this product.

## Component Information

Chemical name	Partition coefficient
Trimethoxyvinylsilane	1.1
Bis(2,2,6,6-tetramethyl-4-piperidyl) sebacate	0.35

Chemical name	PBT and vPvB assessment
Trimethoxyvinylsilane 2768-02-7	The substance is not PBT / vPvB
Titanium dioxide 13463-67-7	The substance is not PBT / vPvB PBT assessment does not apply
1-Propanamine, 3-(trimethoxysilyl)- 13822-56-5	The substance is not PBT / vPvB
Bis(2,2,6,6-tetramethyl-4-piperidyl) sebacate 52829-07-9	The substance is not PBT / vPvB

**Mobility in soil** No information available.

## 13. Disposal considerations

### Waste chemicals

**Waste from residues/unused products** Uncured product should be disposed of as hazardous waste. 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.

## 14. Transport information

**IMDG** Not regulated

**IATA** Not regulated

**ADR** Not regulated

### Special precautions for user

Please refer to the applicable dangerous goods regulations for additional information.

## 15. Regulatory information

### National regulations

**ERMA Group** Not applicable



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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

## 16. Other information

### Abbreviations and acronyms

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

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

**Prepared By** Product Safety & Regulatory Affairs  
**Revision date** 15-Aug-2021  
**Revision note** SDS sections updated. 3. 11. 12.

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

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

### 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**