

ISR 70-05 China Grey  
Version 1

Revision Date 14-Jun-2017  
Supersedes Date: 14-Jun-2017

## Section 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

### 1.1. Product Identifier

**Product Name** ISR 70-05 China Grey  
**Pure substance/mixture** mixture

### 1.2. Relevant Identified Uses of the Substance or Mixture and Uses Advised Against

**Recommended use** Adhesives.  
**Uses Advised Against** No information available.

### 1.3. Details of the Supplier of the Safety Data Sheet

<b>Company Name</b>	Bostik Australia Pty Ltd
Bostik New Zealand Limited	51-71 High street,
19 Eastern Hutt Road Wingate,	Thomastown Victoria
Lower Hutt, New Zealand	Australia
Tel: 04-567 5119	Tel: 613 9279-9333
Fax: 04-567 5412	Fax: 613 9279-9342
	24-hr Emergency: 1800 033 111

### 1.4. Emergency Telephone Number

**Emergency Telephone** 24 Hr: 0800 243 622  
Poison Centre : 0800 764 766

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

## Section 2: HAZARD IDENTIFICATION

### 2.1. Classification of the Substance or Mixture

Not a dangerous substance or mixture according to the Globally Harmonised System (GHS)

**ERMA Group** Not applicable

### 2.2. Label Elements

Not a dangerous substance or mixture according to the Globally Harmonised System (GHS)

**Signal Word** None

### 2.3. Other Hazards

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## Section 3: COMPOSITION/INFORMATION ON INGREDIENTS

### 3.1 Substances

Not applicable

### 3.2 Mixtures

Not a dangerous substance or mixture according to the Globally Harmonised System (GHS)

Chemical Name	CAS No.	Weight-%
Carbonic acid, calcium salt (1:1)	471-34-1	40 - <80
Poly[oxy(methyl-1,2-ethanediyl)],.alpha.-[3-(dimethoxymethylsilyl)propyl]-.omega.-[3-(dimethoxymethylsilyl)propoxy-]	75009-88-0	40 - <80
Silane, ethenyltrimethoxy-	2768-02-7	1 - <3
Stearic acid, sodium salt	822-16-2	1 - <3
1-Propanamine, 3-(trimethoxysilyl)-	13822-56-5	1 - <3
Titanium dioxide	13463-67-7	1 - <3
Bis(2,2,6,6-tetramethyl-4-piperidyl)sebacate	52829-07-9	0.1- <1
2-(2H-benzotriazol-2-yl)-4,6-ditertpentylphenol	25973-55-1	0.1- <1
Pigment	--	0.1- <1
Silicic acid (H <sub>4</sub> SiO <sub>4</sub> ), tetraethyl ester, reaction products with bis(acetyloxy)dioctylstannane	93925-43-0	0.1- <1
Songwon	--	<0.01
Methyl silicate	681-84-5	<0.01

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

## Section 4: FIRST AID MEASURES

### 4.1. Description of First Aid Measures

<b>General Advice</b>	Remove contaminated clothing and shoes. If medical advice is needed, have product container or label at hand.
<b>Inhalation</b>	Remove victim to fresh air and keep at rest in a position comfortable for breathing. Get medical attention if symptoms occur.
<b>Skin Contact</b>	Wash off immediately with soap and plenty of water. In the case of skin irritation or allergic reactions see a physician.
<b>Eye contact</b>	Immediately flush with plenty of water. After initial flushing, remove any contact lenses and continue flushing for at least 15 minutes. Hold eyelids apart and consult an physician.
<b>Ingestion</b>	If swallowed, do not induce vomiting: seek medical advice immediately and show this container or label. If swallowed, rinse mouth with water (only if the person is conscious).
<b>Self-protection of the First Aider</b>	First aider: Pay attention to self-protection.

### 4.2. Most Important Symptoms and Effects, Both Acute and Delayed

**Symptoms** None known.

### 4.3. Indication of Any Immediate Medical Attention and Special Treatment Needed

**Note to physicians** Treat symptomatically.

### 4.4. Reference to Other Sections

**Reference to Other Sections** Section 8: EXPOSURE CONTROLS/PERSONAL PROTECTION. Section 11: TOXICOLOGY INFORMATION.

## Section 5: FIRE-FIGHTING MEASURES

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## 5.1. Extinguishing Media

**Suitable Extinguishing Media** Carbon dioxide (CO<sub>2</sub>). Extinguishing powder. Water spray or fog. Alcohol resistant foam.

**Unsuitable Extinguishing Media** No information available.

## 5.2. Special Hazards Arising from the Substance or Mixture

**Specific Hazards Arising from the Chemical** Thermal decomposition can lead to release of toxic/corrosive gases and vapors. Carbon monoxide. Carbon dioxide (CO<sub>2</sub>).

## 5.3. Advice for Firefighters

**Special Protective Equipment for Fire-fighters** Wear self-contained breathing apparatus and protective suit.

## **Section 6: ACCIDENTAL RELEASE MEASURES**

### 6.1. Personal Precautions, Protective Equipment and Emergency Procedures

**Personal Precautions** Use personal protection equipment. Avoid contact with skin, eyes or clothing.

### 6.2. Environmental Precautions

**Environmental Precautions** Prevent entry into waterways, sewers, basements or confined areas. Do not allow to enter into soil/subsoil.

### 6.3. Methods and Material for Containment 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 up mechanically, placing in appropriate containers for disposal.

### 6.4. Reference to other sections

**Reference to Other Sections** Section 7: HANDLING AND STORAGE  
Section 8: EXPOSURE CONTROLS/PERSONAL PROTECTION  
Section 13: DISPOSAL CONSIDERATIONS

## **Section 7: HANDLING AND STORAGE**

### 7.1. Precautions for Safe Handling

**Advice on Safe Handling** Avoid contact with skin, eyes or clothing. Use personal protective equipment as required. Fire prevention measures. No special measures are necessary.

### 7.2. Conditions for Safe Storage, including any Incompatibilities

**General Hygiene Considerations** Handle in accordance with good industrial hygiene and safety practice. Do not eat, drink or smoke when using this product. Wash hands thoroughly after handling. Avoid contact with skin, eyes or clothing. Take off contaminated clothing and wash before reuse.

**Storage Conditions** Protect from moisture. Keep container tightly closed in a cool place. Keep away from food, drink and animal feeding stuffs. Recommended storage temperature. 10 - 35 °C.

**Incompatible Materials** No information available

### 7.3. Specific End Use(s)

**Specific Use(s)** Sealant. Observe technical data sheet.

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**Other Information** No information available.

## 7.4. References to Other Sections

**Reference to Other Sections** Section 13: DISPOSAL CONSIDERATIONS. Section 10: STABILITY AND REACTIVITY.

## Section 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

### 8.1. Control Parameters

#### Exposure Limits

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

Chemical Name	New Zealand	Australia	European Union
Carbonic acid, calcium salt (1:1) 471-34-1	TWA: 10 mg/m <sup>3</sup>	10 mg/m <sup>3</sup>	-
Stearic acid, sodium salt 822-16-2	TWA: 10 mg/m <sup>3</sup>	10 mg/m <sup>3</sup>	-
Titanium dioxide 13463-67-7	TWA: 10 mg/m <sup>3</sup>	10 mg/m <sup>3</sup>	-
Methyl silicate 681-84-5	TWA: 1 ppm TWA: 6 mg/m <sup>3</sup>	1 ppm 6 mg/m <sup>3</sup>	-

Chemical Name	ACGIH TLV	NIOSH IDLH	OSHA PEL
Carbonic acid, calcium salt (1:1) 471-34-1	-	TWA: 10 mg/m <sup>3</sup> total dust TWA: 5 mg/m <sup>3</sup> respirable dust	-
Stearic acid, sodium salt 822-16-2	TWA: 10 mg/m <sup>3</sup> except stearates of toxic metals	-	-
Titanium dioxide 13463-67-7	TWA: 10 mg/m <sup>3</sup>	IDLH: 5000 mg/m <sup>3</sup>	TWA: 15 mg/m <sup>3</sup> total dust
Methyl silicate 681-84-5	TWA: 1 ppm	TWA: 1 ppm TWA: 6 mg/m <sup>3</sup>	-

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

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

**Other Information** No information available

### 8.2. Exposure Controls

**Engineering Controls** Ensure adequate ventilation, especially in confined areas.

#### PPE - Personal Protection Equipment

<b>Eye/Face Protection</b>	Wear safety glasses with side shields (or goggles).
<b>Skin and Body Protection</b>	Wear suitable protective clothing. No special technical protective measures are necessary under normal conditions.
<b>Hand Protection</b>	Wear suitable chemical resistant gloves. The selection of suitable gloves does not only depend on the material, but also on further marks of quality and various manufacturers.
<b>Respiratory Protection</b>	No protective equipment is needed under normal use conditions. Respiratory protection required in insufficiently ventilated working areas and during spraying. An air-fed mask, or for short periods of work, a combination of professional filter is recommended.
<b>General Hygiene Considerations</b>	Do not eat, drink or smoke when using this product. Wash hands thoroughly after handling. Avoid contact with skin, eyes or clothing. Take off contaminated clothing and wash before reuse.

**Environmental Exposure Controls** No information available.

## Section 9: PHYSICAL AND CHEMICAL PROPERTIES

### 9.1. Information on Basic Physical and Chemical Properties

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Appearance Paste  
Color Grey  
Odor Odorless  
Odor Threshold Not applicable

<u>Property</u>	<u>Values</u>	<u>Remarks • Method</u>
pH	No information available	
Melting Point/Freezing Point	No information available	
Boiling Point	No information available	
Flash Point	No information available	
Evaporation Rate	No information available	
Flammability (solid, gas)	No information available	
Flammability Limit in Air		
Upper Flammability Limit	No information available	
Lower Flammability Limit	No information available	
Vapor Pressure	No information available	
Vapor Density	No information available	
Relative Density	No information available	
Water Solubility	No information available	
Solubility in Other Solvents	No information available	
Partition Coefficient	No information available	
Autoignition Temperature	No information available	
Decomposition Temperature	No information available	
Kinematic Viscosity	No information available	
Dynamic Viscosity	No information available	
Explosive Properties	No information available	
Oxidizing Properties	No information available	
<u>9.2. Other Information</u>		
Softening Point	No information available	
Molecular Weight	No information available	
Solvent Content (%)	No information available	
Solid Content (%)	No information available	
Density	1.5 g/cm <sup>3</sup>	
Bulk Density	No information available	
VOC		

## Section 10: STABILITY AND REACTIVITY

### 10.1. Reactivity

Reactivity None under normal use conditions.

### 10.2. Chemical Stability

### 10.3. Possibility of Hazardous Reactions

Possibility of Hazardous Reactions None under normal processing.

Hazardous Polymerization None under normal processing.

### 10.4. Conditions to Avoid

Conditions to Avoid Heat, flames and sparks.

### 10.5. Incompatible Materials

Incompatible Materials No information available.

### 10.6. Hazardous Decomposition Products

Hazardous Decomposition None under normal use conditions.

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## Products

### Section 11: TOXICOLOGY INFORMATION

#### 11.1. Information on Toxicological Effects

##### Acute Toxicity

<b>Product Information</b>	Product does not present an acute toxicity hazard based on known or supplied information.
<b>Inhalation</b>	No Data Available.
<b>Eye contact</b>	No Data Available.
<b>Skin Contact</b>	No Data Available.
<b>Ingestion</b>	No Data Available.

#### Numerical measures of toxicity

##### Unknown acute toxicity

Chemical Name	Oral LD50	Dermal LD50	Inhalation LC50
Carbonic acid, calcium salt (1:1) 471-34-1	= 6450 mg/kg ( Rat )	>2000 mg/kg	LC50 (4h) >3mg/ml (Rat)
Silane, ethenyltrimethoxy- 2768-02-7	LD 50 = 7120 -7236 mg/kg ( Rat ) OECD 401	= 3360 µL/kg ( Rabbit )	-
1-Propanamine, 3-(trimethoxysilyl)- 13822-56-5	LD50 (rat) > 2000 mg/ kg (2,97 ml/kg)	LD50 (rabbit) > 2000 mg/kg ( 11,3 ml/kg)	-
Titanium dioxide 13463-67-7	> 10000 mg/kg ( Rat )	-	-
Bis(2,2,6,6-tetramethyl-4-piperidyl) sebacate 52829-07-9	LD50 (rat)> 2000 mg/kg OECD 423	LD50 (rat) > 3 170 mg/kg OECD 402	= 500 mg/m <sup>3</sup> ( Rat ) 4 h
2-(2H-benzotriazol-2-yl)-4,6-ditertp entylphenol 25973-55-1	> 2325 mg/kg ( Rat )	-	-
Methyl silicate 681-84-5	-	= 17 mL/kg ( Rabbit )	-

#### Delayed and Immediate Effects as well as Chronic Effects from Short and Long-term Exposure

<b>Skin Corrosion/Irritation</b>	No information available.
<b>Serious Eye Damage/Eye Irritation</b>	No information available.
<b>Sensitization</b>	No information available.
<b>Germ Cell Mutagenicity</b>	No information available.
<b>Reproductive Toxicity</b>	No information available.
<b>STOT - Single Exposure</b>	No information available.
<b>STOT - Repeated Exposure</b>	No information available.
<b>Target Organ Effects</b>	Eyes, Lungs, Respiratory system, Skin.
<b>Aspiration Hazard</b>	No information available.
<b>Carcinogenicity</b>	No information available.

Chemical Name	IARC	China	Japan
Titanium dioxide	Group 2B	-	Group 2B

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

### Section 12: ECOLOGICAL INFORMATION

#### 12.1. Toxicity

##### Ecotoxicity

##### Product Information

None known.

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## Component Information

No information available

Chemical Name	Algae/Aquatic Plants	Fish	Crustacea
Carbonic acid, calcium salt (1:1) 471-34-1	IC50 72H Algae >1000 mg/l	CL50 96H Fish >1000 mg/l	EC50 48H Daphnia >1000 mg/l
Silane, ethenyltrimethoxy- 2768-02-7	EC 50 (72h) > 957 mg/l (Desmodesmus subspicatus) EU Method C.3	L50 (96h) = 191 mg/l (Oncorhynchus mykiss)	EC50(48hr) 168.7mg/l (Daphnia magna)
1-Propanamine, 3-(trimethoxysilyl)- 13822-56-5	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 52829-07-9	EC50 72Hr 0.705 mg/l (Pseudokirchnerella subcapitata)	LC50 5.29 mg/l (Oryzias latipes)	LC50 48Hr 8.58 mg/l (Daphnia magna)

## 12.2. Persistence and Degradability

No information available.

## 12.3. Bioaccumulative Potential

No information available.

## 12.4. Mobility in Soil

No information available.

## 12.5. Results of PBT and vPvB Assessment

This preparation contains substances considered to be very persistent and very bioaccumulating (vPvB). This preparation contains substances considered to be persistent, bioaccumulating and toxic (PBT). or to be very persistent or very bioaccumulating (vPvB).

Chemical Name	REACH (1907/2006) - Registered Substances Considered to be PBT/vPvB
2-(2H-benzotriazol-2-yl)-4,6-ditertpentylphenol	Listed

## 12.6. Other Adverse Effects

No information available.

## **Section 13: DISPOSAL CONSIDERATIONS**

### 13.1. Waste Treatment Methods

**Waste from Residues/Unused Products** Disposal should be in accordance with applicable regional, national and local laws and regulations.

**Contaminated Packaging** Disposal should be in accordance with applicable regional, national and local laws and regulations.

## **Section 14: TRANSPORTATION INFORMATION**

**IMDG** Not regulated

**IATA** Not regulated

**ADR** Not regulated

## **Section 15: REGULATORY INFORMATION**

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## National Regulations

### **Section 16: OTHER INFORMATION**

#### **Key or Legend to Abbreviations and Acronyms Used in the Safety Data Sheet**

No information available

#### **Key Literature References and Sources for Data**

No information available

**Prepared By** Product Safety & Regulatory Affairs

**Revision Date** 14-Jun-2017

**Revision Note** Not applicable.

**Training Advice** No information available

#### **Disclaimer**

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**End of Safety Data Sheet**