



Silicone Products




## RS 625

# HARDEX HI-TEMP GREY RTV GASKET MAKER 100G

### SECTION I: CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

<b>Trade Name:</b>	Hardex Hi-Temp Grey RTV Gasket Maker 100g
<b>Manufacturer's Product Code:</b>	RS 625
<b>Use (s):</b>	Sealant and Adhesive
<b>Manufacturer/Supplier:</b>	Amerseal Industrial Sdn. Bhd.
<b>Address:</b>	No. 2A, Jalan IM 3/6, Kawasan Perindustrian IM 3, Indera Mahkota, 25200 Kuantan, Pahang D.M., Malaysia.
<b>Telephone Number:</b>	+609-5721063/1064/1065
<b>Fax:</b>	+609-5721066
<b>Email:</b>	<a href="mailto:info@hardexworld.com">info@hardexworld.com</a>
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<b>Emergency Telephone Number:</b>	+609-5721063 (24 hours)

### SECTION II: HAZARD IDENTIFICATION

<b>Classification of the Hazardous Chemical:</b>	Skin sensitization category 1.
<b>Label Elements:</b>	
<b>Signal Word:</b>	Warning.
<b>Hazard Statement:</b>	H317 May cause an allergic skin reaction.
<b>Precautionary Statement Prevention:</b>	P261 Avoid breathing fume/vapors. P272 Contaminated work clothing shall not be allowed out of the workplace.

<b>Precautionary Statement Response:</b>	P280 Wear protective gloves/protective clothing/eye protection/face protection P302 + P352 IF ON SKIN: Wash with plenty of soap and Water. P333 + P313 If skin irritation or rash occurs: Get medical advice/attention. P321 Specific treatment (see details on this label). P363 Wash contaminated clothing before reuse.
<b>Precautionary Statement Storage:</b>	No precautionary statement.
<b>Precautionary Statement Disposal:</b>	P501 Dispose of contents/container to an approved waste disposal plant in accordance to local regulation.

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### SECTION III: COMPOSITION AND INFORMATION ON INGREDIENTS

Chemical Name	CAS No.	Concentration (%)	Classification
Calcium Carbonate	471-34-1	30 - 60	Not classified
Limestone	1317-65-3	30 - 60	Not classified
Distillates(petroleum),hydrotreated middle	64742-46-7	5 - 10	Not classified
Silicon dioxide	7631-86-9	3 - <5	Not classified
Amorphous fumed silica	112945-52-5	3 - <5	Not classified
Methyltri(ethylmethylketoxime)silane	22984-54-9	3 - <5	Skin sensitization category 1
Titanium dioxide	13463-67-7	< 1	Not classified
N-(3-(Trimethoxysilyl)propyl)ethylenediamine	1760-24-3	< 1	Skin sensitization category 1
Quartz	14808-60-7	< 1	Not classified
Methyltri(ethylmethylketoxime)silane isomers And oligomers	Not assigned	< 1	Skin sensitization category 1
Vinyltri (methylethylketoxime) silane	2224-33-1	< 1	Skin sensitization category 1

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### SECTION IV: FIRST AID MEASURES

<b>General advice:</b>	In the case of accident or if you feel unwell, seek medical advice immediately. When symptoms persist or in all cases of doubt seek medical advice.
<b>If Inhaled:</b>	If inhaled, remove to fresh air. Get medical attention if symptoms occur.

<b>In Case of Skin Contact:</b>	In case of contact, immediately flush skin with soap and plenty of water. Remove contaminated clothing and shoes. Get medical attention. Wash clothing before reuse. Thoroughly clean shoes before reuse.
<b>In Case of Eye Contact:</b>	Flush eyes with water as a precaution. Get medical attention if irritation develops and persists.
<b>If swallowed:</b>	If swallowed, do not induce vomiting, Get medical attention if symptoms occur. Rinse mouth thoroughly with water.
<b>Most Important Symptoms and Effects, both Acute and Delayed:</b>	May cause an allergic skin reaction.
<b>Protection of First-Aiders:</b>	First Aid responders should pay attention to self-protection, and use the recommended personal protective equipment when the potential for exposure exists.
<b>Note to Physician:</b>	Treat symptomatically and supportively.

## SECTION V: FIRE-FIGHTING MEASURES

### Extinguishing Media

Suitable Extinguishing Media:	Water spray Alcohol-resistant foam Dry chemical Carbon dioxide (CO <sub>2</sub> )
Unsuitable Extinguishing Media:	None known

### Physicochemical Hazards Arising from the Chemical

Specific Hazards during Fire-Fighting:	Exposure to combustion products may be a hazard to health.
Hazardous Combustion Products:	Carbon oxides Silicon oxides Formaldehyde Metal oxides Nitrogen oxides (NO <sub>x</sub> )

### Special Protective Equipment and Precautions for Fire-Fighters

Special Protective Equipment for Fire-Fighters	Wear self-contained breathing apparatus for firefighting if necessary. Use personal protective equipment.
Special extinguishing method:	Use extinguishing measures that are appropriate to local

circumstances and the surrounding environment.

Use water spray to cool unopened containers.

Remove undamaged containers from fire area if it safe to do so.

Evacuate area.

## SECTION VI: ACCIDENTAL RELEASE MEASURE

**Personal Precautions, Protective Equipment and Emergency Procedures:** Use personal protective equipment. Follow safe handling advice and personal protective equipment recommendations.

**Environmental Precautions:** Discharge into the environment must be avoided. Prevent further leakage or spillage if safe to do so. Retain and dispose of contaminated wash water. Local authorities should be advised if significant spillages cannot be contained.

**Methods and Materials for Containment and Cleaning Up:** Soak up with inert absorbent material. For large spills, provide dyking or other appropriate containment to keep material from spreading. If dyked material can be pumped, store recovered material in appropriate container. Clean up remaining materials from spill with suitable absorbent. Local or national regulations may apply to releases and disposal of this material, as well as those materials and items employed in the cleanup of releases. You will need to determine which regulations are applicable. Section XIII and XV of this SDS provide information regarding certain local or national requirements.

## SECTION VII: SAFE HANDLING AND STORAGE

### Handling

#### Precautions for safe handling

Technical measures: See engineering measures under EXPOSURE CONTROL/ PERSONAL PROTECTION section VIII.

Local/Total ventilation: Use only with adequate ventilation.

Advice on safe handling: Handle in accordance with good industrial hygiene and safety practice. Take care to prevent spills, waste and minimize release to environment.

**Storage****Conditions for safe storage, including any incompatibilities**

Condition for safe storage: Keep in properly labeled containers.  
Store in accordance with the particular national regulations.

Materials to avoid: Do not store with the following product types.  
Strong oxidizing agents.

**SECTION VIII: EXPOSURE CONTROL AND PERSONAL PROTECTION****Control Parameters**

Chemical Name	CAS No.	Value Type (Form of Exposure)	Control Parameters/ Permissible Concentration	Basis
Amorphous fumed silica	112945-52-5	TWA	10 mg/m <sup>3</sup>	MY PEL
Silicon dioxide	7631-86-9	TWA	10 mg/m <sup>3</sup>	MY PEL
Distillates (petroleum), hydrotreated middle	64742-46-7	TWA (mist)	5 mg/m <sup>3</sup>	MY PEL
Calcium carbonate	471-34-1	TWA (particulate)	10 mg/m <sup>3</sup> ( calcium carbonate)	MY PEL
	Further information: The value is for particulate matter containing no asbestos and < 1% crystalline silica			
Limestone	1317-65-3	TWA (particulate)	10 mg/m <sup>3</sup> (calcium carbonate)	MY PEL
	Further information: The value is for particulate matter containing no asbestos and < 1% crystalline silica			
Quartz	14808-60-7	TWA (Respirable fraction)	0.1 mg/m <sup>3</sup>	MY PEL
		PEL (Respirable dust)	0.1 mg/m <sup>3</sup>	MY PEL
		TWA (Respirable fraction)	0.025 mg/m <sup>3</sup> (silica)	ACGIH
Titanium dioxide	13463-67-7	TWA	10 mg/m <sup>3</sup>	MY PEL
		TWA	10 mg/m <sup>3</sup> (titanium dioxide)	ACGIH

**These substance(s) are inextricably bound in the product and therefore do not contribute to a dust inhalation hazards.**

Silicone dioxide  
Titanium dioxide  
Quartz  
Amorphous fumed silica  
Calcium carbonate

**Appropriate Engineering Controls:** Processing may form hazardous compounds (see section X).  
Ensure adequate ventilation, especially in confined areas.  
Minimize workplace exposure concentrations.

### **Individual Protection Measures, such as Personal Protective Equipment**

**Eye/Face Protection:** Wear the following personal protective equipment:  
Safety glasses.

**Skin Protection:** Select appropriate protective clothing based on chemical resistance data and an assessment of the local exposure potential. Skin contact must be avoided by using impervious protective clothing (gloves, aprons, boots, etc).

**Hand Protection Material:** Chemical-resistant gloves.

**Remarks:** Choose gloves to protect hands against chemicals depending on the concentration and quantity of the hazardous substance and specific to place of work. Breakthrough time is not determined for the product. Change gloves often. For special applications, we recommend clarifying the resistance to chemicals of the aforementioned protective gloves with the glove manufacturer. Wash hands before breaks and at the end of workday.

**Respiratory Protection:** Use respiratory protection unless adequate local exhaust ventilation is provided or exposure assessment demonstrates that exposures are within recommended exposure guidelines.

**Filter Type:** Combined particulates and organic vapour type.

**Hygiene Measures:** Ensure that eye flushing systems and safety showers are located close to the working place.  
When using do not eat, drink or smoke  
Wash contaminated clothing before re-use.  
These precautions are for room temperature handling. Use at elevated temperature or aerosol/spray applications may require added precautions.

**SECTION IX: PHYSICAL AND CHEMICAL PROPERTIES**

<b>Physical Form</b>	: Paste
<b>Color</b>	: Grey
<b>Odor</b>	: Slight
<b>Odor Threshold</b>	: No data available
<b>pH</b>	: Not applicable
<b>Melting Point/ Freezing Point</b>	: No data available
<b>Initial Boiling Point and Boiling Range</b>	: Not applicable
<b>Flash Point</b>	: Not applicable
<b>Evaporation Rate</b>	: Not applicable
<b>Flammability (solid, gas)</b>	: Not classified as a flammability hazard
<b>Self-ignition</b>	: The substance or mixture is not classified as pyrophoric. The substance or mixture is not classified as self heating.
<b>Upper Explosion Limit</b>	: No data available.
<b>Lower Explosion Limit</b>	: No data available.
<b>Vapor Pressure</b>	: Not applicable
<b>Relative vapor density</b>	: Not data available.
<b>Relative density</b>	: 1.36
<b>Solubility (ies)</b>	
<b>Water solubility</b>	: No data available
<b>Partition coefficient: n-octanol/water</b>	: No data available
<b>Auto ignition Temperature</b>	: No data available.
<b>Decomposition temperature</b>	: No data available
<b>Viscosity</b>	
<b>Viscosity, Dynamic</b>	: Not applicable
<b>Explosive properties</b>	: Not explosive
<b>Oxidizing properties</b>	: The substance or mixture is not classifies as oxidizing
<b>Molecular weight</b>	: No data available

*The above information is not intended for use in preparing product specifications*

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**SECTION X: STABILITY AND REACTIVITY**

<b>Reactivity:</b>	Not classified as a reactivity hazard.
<b>Chemical Stability:</b>	Stable under normal conditions.
<b>Possibility of Hazardous Reactions:</b>	Use at elevated temperatures may form highly hazardous compounds. Can react with strong oxidizing agents. Hazardous decomposition products will be formed at elevated temperature.

Hazardous decomposition products will be formed at elevated temperatures.

**Conditions to Avoid:** Exposure to moisture

**Incompatible Materials:** Oxidizing agents  
Water

**Hazardous Decomposition Products**

Contact with Water or Humid Air: Ethyl methyl ketoxime

Thermal Decomposition: Formaldehyde

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**SECTION XI: TOXICOLOGICAL INFORMATION**

**Possible Health Effects**

**Skin:** May cause allergic skin reaction.

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**SECTION XII: ECOLOGICAL INFORMATION**

**Environmental Fate and Distribution:**

Solid material, insoluble in water. No adverse effects are predicted.

**Environmental Effects:**

No adverse effects on aquatic organisms are predicted.

Bioaccumulation: No bioaccumulation potential.

**Fate and Effects in Waste Water Treatment Plants:**

No adverse effects on bacteria are predicted.

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**SECTION XIII: DISPOSAL INFORMATION**

**Disposal Methods**

**Waste from Residues:** Disposal of waste to be in accordance with the Environmental Quality (Scheduled Wastes) Regulations and other guidelines issuance by DOE and/local authorities.

**Contaminated Packaging:** Dispose of as unused product.  
Empty containers should be taken to an approved waste handling site for recycling or disposal.



**SECTION XIV: TRANSPORTATION INFORMATION****International Regulation****UNRTDG**

Not regulated as a dangerous good.

**IATA-DGR**

Not regulated as a dangerous good.

**IMDG-Code**

Not regulated as a dangerous good.

**Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code**

Not applicable for product as supplied.

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**SECTION XV: REGULATORY INFORMATION****Safety, Health and Environmental Regulations Specific for the Hazardous Chemical**

Occupational Safety and Health (Classification, Labelling and Safety Data Sheet of Hazardous Chemicals) Regulations 2013

Occupational Safety and Health (Use and Standards of Exposure of Chemical Hazardous to Health) Regulations 2000

**The components of this product are reported in the following inventories:**

KECI: All ingredients listed, exempt or notified.

AICS: All ingredients listed or exempt.

IECSC: All ingredients listed or exempt.

PICCS: All ingredients listed or exempt.

NZloC: All ingredients listed or exempt

TSCA: All chemical substances in this material are included on or exempted from listing on the TCSA Inventory of Chemical Substances

DSL: All chemical substances in this material comply with the CEPA 1999 and NSNR are on Or exempt from listing on the Canadian Domestic Substances List (DSL)

REACH: All ingredients (pre) registered or exempt

**Inventories:**

AICS (Australia), DSL (Canada), IECSC (China), REACH (European Union), ENCS (Japan), ISHL (Japan), KECI (Korea), NZIoC (New Zealand), PICCS (Philippines), TCSI (Taiwan), TSCA (USA)

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**SECTION XVI: OTHER INFORMATIONS****Full text or other abbreviations**

ACGIH	: USA.ACGIH Threshold Limit Values (TLV)
MY PEL	: Malaysia. Occupational Safety and Health (Use and Standards of Exposure of Chemical Hazardous to Health) Regulations 2000.
ACGIH/TWA	: 8 hour, time weighted average
DCC OEL/TWA	: Time weighted average
MY PEL/TWA	: Eight-hour time-weighted average airborne concentration.

**WARRANTY**

**The information and data contained herein is believed to be accurate and reliable: however, it is the user's responsibility to determined suitability of use. Since the supplier cannot know all the uses or the conditions of use to which this product may be put, no warranties concerning fitness or suitability for a particular use or purpose are made. The supplier warrants only that its products will meet its specifications. There is not a warranty of merchantability or fitness for use, nor any other express or implied warranty. The user's exclusive remedy and supplier's sole liability is limited to refund of the purchase price or replacement of any product shown to be otherwise than was warranted.**

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