Silicone Products

RS 650
HARDEX RED GASKET MAKER 85.2G

SECTION I: CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Trade Name:	Hardex Red Gasket Maker 85.2g
Manufacturer's Product Code:	RS 650
Use (s):	Sealant and Adhesive
Manufacturer/Supplier:	Amerseal Industrial Sdn. Bhd.
Address:	No 2A, Jalan IM 3/6, Kawasan Perindustrian IM 3, Indera Mahkota, 25200, Kuantan, Pahang D.M Malaysia.
Telephone Number:	+609-5721063/1064/1065
Fax:	+609-5721066
Email:	info@hardexworld.com
Website:	http://www.hardexworld.com
Emergency Telephone Number:	+609-5721063 (24 hours)

SECTION II: HAZARD IDENTIFICATION

Classification of the Hazardous Chemical:	Not classified as hazardous substance.
Label Elements:	No hazardous substance or mixture.
Signal Word:	None
Hazard Statement:	None
Precautionary Statement Response:	None
Precautionary Statement Storage:	None
Precautionary Statement Disposal:	None

SECTION III: COMPOSITION AND INFORMATION ON INGREDIENTS

Chemical Name	CAS No.	Concentration (%)	Classification
Silicon dioxide	7631-86-9	5 - < 10	Not classified
Titanium dioxide	13463-67-7	< 1	Not classified
Octamethylcyclotetrasiloxane	556-67-2	< 1	Not classified

SECTION IV: FIRST AID MEASURES

General Advice: 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.

If Inhaled: If inhaled, remove to fresh air. Get medical attention if symptoms occur.

In Case of Skin Contact: 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.

In Case of Eye Contact: In case of contact, immediately flush eyes with plenty of water for at least 15 minutes. If easy to do, remove contact lens, if worn. Get medical attention.

Most Important Symptoms: And Effects, both Acute And Delayed: May cause an allergic skin reaction. Cause serious eye irritation.

Protection of First-Aiders: First aid responders should pay attention to self-protection and use the recommended personal protective equipment when the potential for exposure exists.

Note to Physician: Treat symptomatically and supportively

SECTION V: FIRE-FIGHTING MEASURES

Extinguishing Media

Suitable Extinguishing Media:

- Water spray
- Alcohol-resistant foam
- Dry chemical
- Carbon dioxide (CO_2)

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

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

Components	CAS- No.	Value type (Form of exposure)	Control parameter / Permissible concentration	Basis
Silicon dioxide	7631-86-9	TWA	10mg/m^3	MY PEL
Titanium dioxide	13463-67-7	TWA	10 mg/m^3	MY PEL
		TWA	10 mg/m^3 (Titanium dioxide)	ACGIH
Octamethylcyclotetrasiloxane	556-67-2	TWA	10 ppm	DCC OEL

Appropriate engineering control: Processing may form hazardous components (refer Section X)
Ensure adequate ventilation, especially in confined area.
Minimize workplace exposure concentration

Individual Protection Measures, such as Personal Protective Equipment

Eye Protection: Wear the following personal protective equipment:
Safety glasses

Skin Protection:	Wash at mealtime and end of shift. Contaminated clothing and shoes should be removed as soon as practical and thoroughly cleaned before reuse. Chemical protective gloves are recommended.
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:	Organic Vapor Type.
Hand Protection:	Chemical-resistant.
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.
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 reuse. 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

Physical Form	: Paste
Color	: Red
Odor	: Acetic acid
Odor Threshold	: No data available
pH	: Not applicable
Melting Point / Freezing point	: No data available
Initial Boiling Point and Boiling range	: Not applicable
Flash Point	: Not applicable
Evaporation Rate	: Not applicable
Flammability(solid, gas	: Not classified as a flammability hazard
Upper Explosion Limit:	: No data available
Lower Explosion Limit	: No data available
Vapor Pressure	: Not applicable
Relative vapor density	: No data available
Relative density	: 1.03

Solubility (ies)

Water solubility : No data available

Partition coefficient: n-octanol/water : No data available

Autoignition Temperature : No data available

Decomposition temperature : No data available

Viscosity

Viscosity, Dynamic : Not applicable

Explosive properties : Not explosive

Oxidizing properties : The substance or mixture is not classifies as oxidizing

Molecular weight : No data available.

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

SECTION X: STABILITY AND REACTIVITY

Reactivity: Not classified as a reactivity hazard.

Chemical Stability: Stable under normal conditions.

Possibility of Hazardous Reactions: Use at elevated temperatures may form highly hazardous compounds.
Can react with strong oxidizing agents.
Acetic acid is formed upon contact with water and humid air. Hazardous decomposition products will be formed at elevated temperature.

Conditions to Avoid: None known.

Incompatible Materials: Oxidizing agents

Hazardous Decomposition Products

Thermal Decomposition: Formaldehyde

SECTION XI: TOXICOLOGICAL INFORMATION

Not classified based on available information.

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.

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

SECTION XV: REGULATORY INFORMATION

Safety, health and environmental regulations specific for the hazardous chemical
Occupational Safety and Health (Classification, Labeling 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:

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

AICS **:** All ingredients listed or exempt.

IECSC	**:** All ingredients listed or exempt.
ENCS/ISHL	**:** All components are listed on ENCS/ ISHL or exempted from Inventory listing
KECI	**:** All ingredients listed, exempt or notified.
PICCS	**:** All ingredients listed or exempt.
TCSI	**:** All ingredients listed or exempt

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

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 hours 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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