



Silicone Products



## HA 3000W HARDEX GENERAL PURPOSE SILICONE-WHITE

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### SECTION I: CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

<b>Trade Name:</b>	Hardex General Purpose Silicone -White
<b>Manufacturer's Product Code:</b>	HA 3000W
<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
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<b>Emergency Telephone Number:</b>	+609-5721063 (24 hours)

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### SECTION II: HAZARD IDENTIFICATION

<b>Classification of the Hazardous Chemical:</b>	Not classified as hazardous substance.
<b>Label Elements:</b>	Not classified as hazardous substance or mixture.
<b>Signal Word:</b>	None
<b>Hazard Statement:</b>	None
<b>Precautionary Statement Response:</b>	None
<b>Precautionary Statement Storage:</b>	None
<b>Precautionary Statement Disposal:</b>	None

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**SECTION III: COMPOSITION AND INFORMATION ON INGREDIENTS**

Chemical Name	CAS No.	Concentration (%)	Classification
Distillates (petroleum), hydrotreated middle	64742-46-7	10 - < 30	Not classified
Silicon dioxide	7631-86-9	5 - < 10	Not classified
Titanium dioxide	13463-67-7	1 - < 3	Not classified

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**SECTION IV: FIRST AID MEASURES**

<b>If Inhaled:</b>	If inhaled, remove to fresh air. Get medical attention if symptoms occur.
<b>In Case of Skin Contact:</b>	Wash with water and soap as a precaution. Get medical attention if symptoms occur.
<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>	None known.
<b>Protection of First-Aiders:</b>	No special precautions are necessary for first aid responders.
<b>Note to Physician:</b>	Treat symptomatically and supportively.

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**SECTION V: FIRE-FIGHTING MEASURES**
**Extinguishing Media**

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

### 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 Methods: 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:** 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 MSDS 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 CONTROLS/PERSONAL PROTECTION section.

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 the environment.

**Storage****Conditions for Safe Storage, including any Incompatibilities**

Conditions for Safe Storage: Keep in properly labelled 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
Distillates (petroleum), hydrotreated middle	64742-46-7	TWA (mist)	5 mg/m <sup>3</sup>	MY PEL
Silicon dioxide	7631-86-9	TWA	10 mg/m <sup>3</sup>	MY PEL
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 hazard.**

Silicone dioxide

Titanium dioxide

**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: Skin should be washed after contact.

Hand Protection

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

*Note: These precautions are for room temperature handling.*

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## SECTION IX: PHYSICAL AND CHEMICAL PROPERTIES

<b>Appearance:</b>	Paste
<b>Colour:</b>	White
<b>Odour:</b>	Acetic acid
<b>Odour Treshold:</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>	100°C Method: Closed cup
<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 Vapour Density:</b>	No data available
<b>Relative Density:</b>	0.95
<b>Solubility(ies)</b>	
<b>Water Solubility:</b>	No data available
<b>Partition Coefficient:</b>	
<b>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 classified 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. Acetic acid is formed upon contact with water or humid air. Hazardous decomposition products will be formed at elevated temperatures.
<b>Conditions to Avoid:</b>	None known.
<b>Incompatible Materials:</b>	Oxidizing agents

### Hazardous Decomposition Products

Thermal Decomposition:	Formaldehyde
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## SECTION XI: TOXICOLOGICAL INFORMATION

Not classified based on available information.

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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.

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**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.

REACH: All ingredients (pre-) registered or exempt.

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.

TCSI: All ingredients listed or exempt.

PICCS: All ingredients listed 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 INFORMATION****Full Text of 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
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 determine 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 as warranted.**

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