

## **SAFETY DATA SHEETS**

**This SDS packet was issued with item:**

070427682

**The safety data sheets (SDS) in this packet apply to the individual products listed below. Please refer to invoice for specific item number(s).**

070427609 070427666 070427674 070427690 070427708 070427716

**The safety data sheets (SDS) in this packet apply to one or more components included in the items listed below. Items listed below may require one or more SDS. Please refer to invoice for specific item number(s).**

070427617 070427625 070427633 070427641 070427658

# MATERIAL SAFETY DATA SHEET



# Hartalega

## SECTION 1: PRODUCT IDENTIFICATION

<b>NAME</b> Hartalega Sdn. Bhd.	<b>ADDRESS</b> C-G-9, Jalan Dataran SD1, Dataran SD, PJU 9, Bandar Sri Damansara, 52200 Kuala Lumpur
<b>TELEPHONE NUMBER</b> (603) 6277 1733	<b>DATE PREPARED</b> May 16 <sup>th</sup> , 2015
<b>COMMON NAME (USED ON LABEL)</b> Nitrile Powder Free Examination Gloves	<b>CHEMICAL FAMILY</b> Carboxylated Butadiene Acrylonitrile Polymer Latex
<b>APPLICATION</b> Medical and Dental	<b>TRADENAME &amp; SYNONYM</b> GLOVEON MAVERICK NITRILE PF (NTR28) NITRILE POWDER FREE EXAMINATION GLOVES (ABLU)

## SECTION 2: HAZARDOUS INGREDIENTS

HAZARDOUS COMPONENT	CAS #	%(WT)	TLV	PEL
N/A	N/A	N/A	N/A	N/A

PEL: Permissible Exposure Limit established by Occupational Safety and Health Administration (OSHA).

TLV: Threshold Limit Value established by the American Conference of Governmental Industrial Hygienists, 1987-1988.

## SECTION 3: COMPOSITION/ INFORMATION ON INGREDIENTS

### CHEMICAL COMPOSITION

All chemicals used are non-toxic/ non-hazardous.

Sodium Dodecylbenzenesulfonate, Zinc Di-n-butylthiocarbamate, Sulphur, Zinc Mercaptobenzothiazole, Zinc Oxide, Titanium Dioxide, Paraffin Wax Emulsion.

## SECTION 4: FIRST AID MEASURE

If reaction in the form of skin irritation is noticed, remove gloves immediately and wash affected part with saline water. If there is no relief, seek medical reactions.

## SECTION 5: FIRE FIGHTING MEASURE

<b>FLASHPOINT</b> N/A	<b>AUTOIGNITION TEMPERATURE</b> N/A	<b>FLAMMABLE LIMITS IN AIR</b> N/A
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### EXTINGUISHING MEDIA

Chemical foam and dry chemical may be used.

### FIRE-FIGHTING PROCEDURES

Use standard procedures for combustion material fires, including approved self-contained breathing apparatus.

### FIRE AND EXPLOSION HAZARDS

No fire or explosion hazards are associated with these products. They will melt at elevated temperatures.

## SECTION 6: ACCIDENTAL RELEASE MEASURES

### BIOCOMPATABILITY

The chemical formulation of the gloves and surface lubrication materials does not contain any substances normally known to be harmful to the user or to any person with whom the gloves come into contact.

### MEDICAL CONDITIONS GENERALLY AGGRAVATED BY EXPOSURE

Nitrile Powder Free Gloves are not expected to cause any adverse health effects.

## SECTION 7: HANDLING AND STORAGE

### PRECAUTIONS TO BE TAKEN IN HANDLING AND STORAGE

Store in a dry, cool and ventilated area. Do not store above 104 °F (40 °C). Shield open box from direct sunlight, fluorescent lighting and x-rays. Improper storage will decrease usable life.

**SECTION 8: EXPOSURE CONTROLS/ PERSONAL PROTECTION****EYE PROTECTION**

Not necessary under conditions of intended use.

**SKIN PROTECTION**

Not necessary under conditions of intended use.

**RESPIRATORY PROTECTION**

Not necessary under conditions of intended use.

**VENTILATION**

Not necessary under conditions of intended use.

**STEPS TO BE TAKEN IN CASE MATERIAL IS LEAKED OR SPILLED**

These products are solid articles and are not subject to leaks or spills.

**SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES****APPEARANCE/ ODOR**

Ambidextrous, Beaded Cuff, Micro-textured, Chlorinated, Powder Free, Aqua Blue.

DIMENSION	X-SMALL	SMALL	MEDIUM	LARGE	X-LARGE
Length (mm)	Minimum 230 (same for all)				
Width (mm)	76 ± 4	86 ± 4	98 ± 4	107 ± 4	115 ± 4

**THICKNESS (mm) - SINGLE WALL MEASUREMENT (same for all)**

Finger (mm)	Minimum 0.11
Palm (mm)	Minimum 0.08

**TENSILE PROPERTIES****UNAGED****AGED**

Tensile Strength (Mpa)	Min. 18.0 MPa	Min. 16.0 MPa
Ultimate Elongation (%)	Min. 500%	Min. 400%

**SECTION 10: STABILITY AND REACTIVITY****BOILING POINT**

N/A

**VAPOR PRESSURE (mm Hg)**

N/A

**VAPOR DENSITY (air=1)**

N/A

**SPECIFIC GRAVITY (water=1)**

N/A

**SOLUBILITY IN WATER**

Insoluble

**% VOLATILE BY VOLUME**

N/A

**EVAPORATION RATE**

N/A

**VISCOSITY**

N/A

**SECTION 11: TOXICOLOGICAL INFORMATION****STABILITY**

Stable

**CONDITIONS TO AVOID**

Does not apply

**INCOMPATIBILITY (MATERIALS TO AVOID)**

High polar solvent like methyl ethyl ketone, acetone.

**HAZARDOUS DECOMPOSITION PRODUCTS**

In a fire, these products may produce a black smoke. Carbon Dioxide, Carbon Monoxide, Oxides of Nitrogen, aromatic/ aliphatic hydrocarbons.

**HAZARDOUS POLYMERIZATION**

Will not occur.

**SECTION 12: ECOLOGICAL INFORMATION**

N/A

**SECTION 13: DISPOSAL CONSIDERATION****WASTE DISPOSAL METHOD**

Consult current local, state and federal regulations for proper disposal methods.

**SECTION 14: TRANSPORT INFORMATION**

N/A

**SECTION 15: REGULATORY INFORMATION**

N/A

**SECTION 16: OTHER INFORMATION****RECOMMENDED USE AND RESTRICTION**

The Nitrile Powder Free Gloves is a Single Use device.



# MATERIAL SAFETY DATA SHEET



# Hartalega

## SECTION 1: PRODUCT IDENTIFICATION

<b>NAME</b> Hartalega Sdn. Bhd.	<b>ADDRESS</b> C-G-9, Jalan Dataran SD1, Dataran SD, PJU 9, Bandar Sri Damansara, 52200 Kuala Lumpur
<b>TELEPHONE NUMBER</b> (603) 62771733	<b>DATE PREPARED</b> October 15, 2014
<b>COMMON NAME (USED ON LABEL)</b> Nitrile Powder Free Examination Gloves	<b>CHEMICAL FAMILY</b> Carboxylated Butadiene Acrylonitrile Polymer Latex
<b>APPLICATION</b> Medical and Dental	<b>TRADENAME &amp; SYNONYM</b> GLOVEON EUREKA (NTR61) NITRILE POWDER FREE EXAMINATION GLOVES (DKBU)

## SECTION 2: HAZARDOUS INGREDIENTS

HAZARDOUS COMPONENT	CAS #	%(WT)	TLV	PEL
N/A	N/A	N/A	N/A	N/A

PEL : Permissible Exposure Limit established by Occupational Safety and Health Administration (OSHA).  
TLV : Threshold Limit Value established by the American Conference of Governmental Industrial Hygienists, 1987-1988

## SECTION 3: COMPOSITION/ INFORMATION ON INGREDIENTS

### CHEMICAL COMPOSITION

All chemicals used are non-toxic/non-hazardous.  
Butadiene-Acrylonitrile Latex, Sodium Dodecylbenzenesulfonate, Sulphur, Titanium Dioxide, Zinc-n-dibutyldithiocarbamate, Zinc Oxide, Paraffin Wax Emulsion

## SECTION 4: FIRST AID MEASURE

If reaction in the form of skin irritation is noticed, remove gloves immediately and wash affected part with saline water. If there is no relief, seek medical reactions.

## SECTION 5: FIRE FIGHTING MEASURE

<b>FLASHPOINT</b> N/A	<b>AUTOIGNITION TEMPERATURE</b> N/A	<b>FLAMMABLE LIMITS IN AIR</b> N/A
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### EXTINGUISHING MEDIA

Chemical foam and dry chemical may be used

### FIRE-FIGHTING PROCEDURES

Use standard procedures for combustion material fires, including approved self-contained breathing apparatus

### FIRE AND EXPLOSION HAZARDS

No fire or explosion hazards are associated with these products. They will melt at elevated temperatures

## SECTION 6: ACCIDENTAL RELEASE MEASURES

### BIOCOMPATABILITY

The chemical formulation of the gloves and surface lubrication materials does not contain any substances normally known to be harmful to the user or to any person with whom the gloves come into contact.

### MEDICAL CONDITIONS GENERALLY AGGRAVATED BY EXPOSURE:

Nitrile Powder Free Gloves are not expected to cause any adverse health effects.

## SECTION 7: HANDLING AND STORAGE

### PRECAUTIONS TO BE TAKEN IN HANDLING AND STORAGE

Store in a dry, cool and ventilated area. Do not store above 104°F (40°C). Shield open box from direct sunlight, fluorescent lighting and x-rays. Improper storage will decrease usable life.

SECTION 8: EXPOSURE CONTROLS/ PERSONAL PROTECTION					
<b>EYE PROTECTION</b> Not necessary under conditions of intended use.			<b>SKIN PROTECTION</b> Not necessary under conditions of intended use.		
<b>RESPIRATORY PROTECTION</b> Not necessary under conditions of intended use.			<b>VENTILATION</b> Not necessary under conditions of intended use.		
<b>STEPS TO BE TAKEN IN CASE MATERIAL IS LEAKED OR SPILLED</b> These products are solid articles and are not subject to leaks or spills.					
SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES					
<b>APPEARANCE/ODOR</b> Ambidextrous, Beaded Cuff, Micro-textured, Chlorinated, Powder Free, Dark Violet Blue.					
<b>DIMENSION</b>	<b>EXTRA-SMALL</b>	<b>SMALL</b>	<b>MEDIUM</b>	<b>LARGE</b>	<b>EXTRA-LARGE</b>
Length (mm)	Minimum 230 (same for all)				
Width (mm)	76 ± 4	86 ± 4	98 ± 4	107 ± 4	115 ± 4
<b>THICKNESS (mm) - SINGLE WALL MEASUREMENT (same for all)</b>					
Finger (mm)	Minimum 0.07				
Palm (mm)	Minimum 0.05				
<b>TENSILE PROPERTIES</b>		<b>UNAGED</b>		<b>AGED</b>	
Tensile Strength (Mpa)		Min. 14.0 MPa		Min. 14.0 MPa	
Ultimate Elongation (%)		Min. 500%		Min. 400%	
SECTION 10: STABILITY AND REACTIVITY					
<b>BOILING POINT</b> N/A		<b>VAPOR PRESSURE (mm Hg)</b> N/A		<b>VAPOR DENSITY (air=1)</b> N/A	
<b>SPECIFIC GRAVITY (water=1)</b> N/A		<b>SOLUBILITY IN WATER</b> Insoluble		<b>% VOLATILE BY VOLUME</b> N/A	
<b>EVAPORATION RATE</b> N/A			<b>VISCOSITY</b> N/A		
SECTION 11: TOXICOLOGICAL INFORMATION					
<b>STABILITY</b> Stable			<b>CONDITIONS TO AVOID</b> Does not apply		
<b>INCOMPATABILITY (MATERIALS TO AVOID)</b> High polar solvent like methyl ethyl ketone, acetone.					
<b>HAZARDOUS DECOMPOSITION PRODUCTS:</b> In a fire, these products may produce a black smoke. Carbon Dioxide, Carbon Monoxide, Oxides of Nitrogen, aromatic/aliphatic hydrocarbons.					
<b>HAZARDOUS POLYMERIZATION</b> Will not occur					
SECTION 12: ECOLOGICAL INFORMATION					
NA					
SECTION 13: DISPOSAL CONSIDERATION					
<b>WASTE DISPOSAL METHOD</b> Consult current local, state and federal regulations for proper disposal methods.					
SECTION 14: TRANSPORT INFORMATION					
NA					
SECTION 15: REGULATORY INFORMATION					
NA					
SECTION 16: OTHER INFORMATION					
<b>RECOMMENDED USE AND RESTRICTION</b> The Nitrile Powder Free Gloves is a Single Use device					



# MATERIAL SAFETY DATA SHEET



# Hartalega

## SECTION 1: PRODUCT IDENTIFICATION

<b>NAME</b> Hartalega Sdn. Bhd.	<b>ADDRESS</b> C-G-9, Jalan Dataran SD1, Dataran SD, PJU 9, Bandar Sri Damansara, 52200 Kuala Lumpur.
<b>TELEPHONE NUMBER</b> (603) 62771733	<b>DATE PREPARED</b> September 22, 2014
<b>COMMON NAME (USED ON LABEL)</b> Nitrile Powder Free Examination Gloves.	<b>CHEMICAL FAMILY</b> Carboxylated Butadiene Acrylonitrile Polymer Latex.
<b>APPLICATION</b> Medical and Dental.	<b>TRADENAME &amp; SYNONYM</b> GLOVEON CELESTE (NTR58) NITRILE POWDER FREE EXAMINATION GLOVES (VBLU).

## SECTION 2: HAZARDOUS INGREDIENTS

HAZARDOUS COMPONENT	CAS #	%(WT)	TLV	PEL
N/A	N/A	N/A	N/A	N/A

PEL : Permissible Exposure Limit established by Occupational Safety and Health Administration (OSHA).  
TLV : Threshold Limit Value established by the American Conference of Governmental Industrial Hygienists, 1987-1988.

## SECTION 3: COMPOSITION/ INFORMATION ON INGREDIENTS

### CHEMICAL COMPOSITION

All chemicals used are non-toxic/ non-hazardous.  
Sodium Dodecylbenzenesulfonate, Sulphur, Titanium Dioxide, Zinc Di-n-dibutylthiocarbamate, Zinc Mercaptobenzothiazole, Zinc Oxide, Paraffin Wax Emulsion.

## SECTION 4: FIRST AID MEASURE

If reaction in the form of skin irritation is noticed, remove gloves immediately and wash affected part with saline water. If there is no relief, seek medical reactions.

## SECTION 5: FIRE FIGHTING MEASURE

<b>FLASHPOINT</b> N/A	<b>AUTOIGNITION TEMPERATURE</b> N/A	<b>FLAMMABLE LIMITS IN AIR</b> N/A
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### EXTINGUISHING MEDIA

Chemical foam and dry chemical may be used.

### FIRE-FIGHTING PROCEDURES

Use standard procedures for combustion material fires, including approved self-contained breathing apparatus.

### FIRE AND EXPLOSION HAZARDS

No fire or explosion hazards are associated with these products. They will melt at elevated temperatures.

## SECTION 6: ACCIDENTAL RELEASE MEASURES

### BIOCOMPATABILITY

The chemical formulation of the gloves and surface lubrication materials does not contain any substances normally known to be harmful to the user or to any person with whom the gloves come into contact.

### MEDICAL CONDITIONS GENERALLY AGGRAVATED BY EXPOSURE:

Nitrile Powder Free Gloves are not expected to cause any adverse health effects.

## SECTION 7: HANDLING AND STORAGE

### PRECAUTIONS TO BE TAKEN IN HANDLING AND STORAGE

Store in a dry, cool and ventilated area. Do not store above 104°F (40°C). Shield open box from direct sunlight, fluorescent lighting and x-rays. Improper storage will decrease usable life.

**SECTION 8: EXPOSURE CONTROLS/ PERSONAL PROTECTION****EYE PROTECTION**

Not necessary under conditions of intended use.

**SKIN PROTECTION**

Not necessary under conditions of intended use.

**RESPIRATORY PROTECTION**

Not necessary under conditions of intended use.

**VENTILATION**

Not necessary under conditions of intended use.

**STEPS TO BE TAKEN IN CASE MATERIAL IS LEAKED OR SPILLED**

These products are solid particles and are not subject to leaks or spills.

**SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES****APPEARANCE/ ODOR**

Amidextrous, Beaded Cuff, Micro-textured, Chlorinated, Powder Free, Violet Blue.

DIMENSION	EXTRA-SMALL	SMALL	MEDIUM	LARGE	EXTRA-LARGE
Length (mm)	Minimum 230 (same for all)				
Width (mm)	76 ± 4	86 ± 4	98 ± 4	107 ± 4	115 ± 4
<b>THICKNESS (mm) - SINGLE WALL MEASUREMENT (same for all)</b>					
Finger (mm)	0.10 ± 0.02				
Palm (mm)	0.07 ± 0.02				

**TENSILE PROPERTIES****UNAGED****AGED**

Tensile Strength (Mpa)

Min. 18.0 MPa

Min. 16.0 MPa

Ultimate Elongation (%)

Min. 500%

Min. 400%

**SECTION 10: STABILITY AND REACTIVITY****BOILING POINT**

N/A

**VAPOR PRESSURE (mm Hg)**

N/A

**VAPOR DENSITY (air=1)**

N/A

**SPECIFIC GRAVITY (water=1)**

N/A

**SOLUBILITY IN WATER**

Insoluble.

**% VOLATILE BY VOLUME**

N/A

**EVAPORATION RATE**

N/A

**VISCOSITY**

N/A

**SECTION 11: TOXICOLOGICAL INFORMATION****STABILITY**

Stable.

**CONDITIONS TO AVOID**

Does not apply.

**INCOMPATIBILITY (MATERIALS TO AVOID)**

High polar solvent like methyl ethyl ketone, acetone.

**HAZARDOUS DECOMPOSITION PRODUCTS:**

In a fire, these products may produce a black smoke. Carbon Dioxide, Carbon Monoxide, Oxides of Nitrogen, aromatic/ aliphatic hydrocarbons.

**HAZARDOUS POLYMERIZATION**

Will not occur.

**SECTION 12: ECOLOGICAL INFORMATION**

N/A

**SECTION 13: DISPOSAL CONSIDERATION****WASTE DISPOSAL METHOD**

Consult current local, state and federal regulations for proper disposal methods.

**SECTION 14: TRANSPORT INFORMATION**

N/A

**SECTION 15: REGULATORY INFORMATION**

N/A

**SECTION 16: OTHER INFORMATION****RECOMMENDED USE AND RESTRICTION**

The Nitrile Powder Free Gloves is a Single Use device.