

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-dibutyldithiocarbamate, 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.

<b>SECTION 8: EXPOSURE CONTROLS/ PERSONAL PROTECTION</b>					
<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 particles and are not subject to leaks or spills.					
<b>SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES</b>					
<b>APPEARANCE/ ODOR</b> Ambidextrous, Beaded Cuff, Micro-textured, Chlorinated, Powder Free, 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)	0.10 ± 0.02				
Palm (mm)	0.07 ± 0.02				
<b>TENSILE PROPERTIES</b>		<b>UNAGED</b>		<b>AGED</b>	
Tensile Strength (Mpa)		Min. 18.0 MPa		Min. 16.0 MPa	
Ultimate Elongation (%)		Min. 500%		Min. 400%	
<b>SECTION 10: STABILITY AND REACTIVITY</b>					
<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		
<b>SECTION 11: TOXICOLOGICAL INFORMATION</b>					
<b>STABILITY</b> Stable.			<b>CONDITIONS TO AVOID</b> Does not apply.		
<b>INCOMPATIBILITY (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.					
<b>SECTION 12: ECOLOGICAL INFORMATION</b>					
N/A					
<b>SECTION 13: DISPOSAL CONSIDERATION</b>					
<b>WASTE DISPOSAL METHOD</b> Consult current local, state and federal regulations for proper disposal methods.					
<b>SECTION 14: TRANSPORT INFORMATION</b>					
N/A					
<b>SECTION 15: REGULATORY INFORMATION</b>					
N/A					
<b>SECTION 16: OTHER INFORMATION</b>					
<b>RECOMMENDED USE AND RESTRICTION</b> The Nitrile Powder Free Gloves is a Single Use device.					