

MATERIAL SAFETY
DATA SHEET



Hartalega

SECTION 1: PRODUCT IDENTIFICATION

NAME Hartalega Sdn. Bhd.	ADDRESS C-G-9, Jalan Dataran SD1, Dataran SD, PJU 9, Bandar Sri Damansara, 52200 Kuala Lumpur.
TELEPHONE NUMBER (603) 62771733	DATE PREPARED December 08, 2014
COMMON NAME (USED ON LABEL) Nitrile Powder Free Examination Gloves.	CHEMICAL FAMILY Carboxylated Butadiene Acrylonitrile Polymer Latex.
APPLICATION Medical, Dental and Electronic Industry.	TRADENAME & SYNONYM NITRILE SEMICONDUCTOR GLOVES 4.5MIL.

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.
Zinc Di-n-butylthiocarbamate, Potassium Hydroxide, Zinc Oxide, Sulphur, Titanium Dioxide.

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

FLASHPOINT N/A	AUTOIGNITION TEMPERATURE N/A	FLAMMABLE LIMITS IN AIR 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.
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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 Ambidextrous, Beaded Cuff, Finger Textured, Semiconductor, Powder Free, Extended Cuff, White.					
DIMENSION	EXTRA-SMALL	SMALL	MEDIUM	LARGE	EXTRA-LARGE
Length (mm)	Minimum 280 (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)	0.15 ± 0.02				
Palm (mm)	0.11 ± 0.02				
Cuff (mm)	0.08 ± 0.02				
TENSILE PROPERTIES		UNAGED		AGED	
Tensile Strength (Mpa)		Min. 14.0 Mpa		Min. 14.0 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.					