

SAFETY DATA SHEET

MISUMI (THAILAND) CO., LTD.

SECTION 1: PRODUCT IDENTIFICATION

NAME MISUMI (THAILAND) CO., LTD.	ADDRESS 300/24 MOO 1, EASTERN SEABOARD INDUSTRIAL ESTATE SOI 5, T.TASITH, A. PLUAKDANG, RAYONG 21140
TELEPHONE NUMBER +66-3895-9200	DATE PREPARED January 10, 2020
COMMON NAME (USED ON LABEL) Nitrile Powder Free Examination Gloves.	CHEMICAL FAMILY Carboxylated Butadiene Acrylonitrile Polymer Rubber
APPLICATION Medical and Dental.	TRADENAME & SYNONYM NITRILE POWDER FREE EXAMINATION GLOVES 3.0MIL (WHITE)

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, Zinc Di-n-butyldithiocarbamate, Sulphur, Zinc Oxide, Titanium Dioxide, Parafin 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

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.

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, Chlorinated, Powder Free, White.

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

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SECTION 4: FIRST AID MEASURE

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SECTION 5: FIRE FIGHTING MEASURE

FLASHPOINT N/A	AUTOIGNITION TEMPERATURE N/A	FLAMMABLE LIMITS IN AIR N/A
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RESPIRATORY PROTECTION Not necessary under conditions of intended use.			VENTILATION Not necessary under conditions of intended use.		
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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.		
INCOMPATABILITY (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					
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SECTION 13: DISPOSAL CONSIDERATION					
WASTE DISPOSAL METHOD Consult current local, state and federal regulations for proper disposal methods.					
SECTION 14: TRANSPORT INFORMATION					
N/A					
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