

FLEXITECH SDN. BHD.
MATERIAL SAFETY DATA SHEET

Latex Medical Examination Gloves

MSDS Number : MP02
 Issue Date : 21/07/2014
 Supersedes : MP01

Section 1 : Manufacturer Identification

Millenia Productions, LLC
 DBA La Palm Spa Products
 3201 N Mead, Wichita, KS 67219
 Ph- (316) 425-2500 fx- (316) 425-2300

Section 2 : Primary Material and Ingredients Information

Primary Material

Gloves are made from natural rubber (NR) latex

Other Ingredients

<u>Other Ingredients</u>	<u>CAS No.</u>	<u>Content (%)</u>
Natural Latex	9010-81-5	96.94
Zinc Oxide	1314-13-2	0.48
Sulphur	7704-34-9	0.73
Titanium Dioxide (White Pigment)	13463-67-7	0.73
Zinc Dibutyl Dithiocarbamate	136-23-2	0.29
Sodium Napthalene Sulfonate Formaldehyde Condensate	532-20-5	0.05
Butylated Reactive Product of P-Cresol and Dicyclopentadiene	N/A	0.73
Potassium Hydroxide	1310-58-3	0.05
Defoamer	N/A	0.01

All the above chemicals used are non toxic or non hazardous.

Section 3 : Gloves Physical Data

Dimension

<u>Size</u>	X-Small	Small	Medium	Large	X-Large	XX-Large
Palm Width (mm)	70-79	80-89	90-99	100-109	110-119	120-129
Length (mm)	240 / 300					

Single Wall Thickness

Finger (at 13 ± 3 mm from finger tip), (± 0.02 mm)	0.14
Palm (at center of palm), (± 0.02 mm)	0.12
Cuff (at 25 ± 5 mm from cuff edge), (± 0.02 mm)	0.10

<u>Physical Properties</u>	<u>Before Aged</u>	<u>After Aged</u>
Tensile Strength (Mpa)	21	16
Elongation (%)	700	500
Remark : 10% lower for textured surface gloves		

Palm Surface	Smooth / Textured
Orientation	Ambidextrous
Cuff	Rounded Bead
Sterility	Non Sterile

Packaging	100 pieces / box; 10 boxes / carton
Quality	ASTM D3578-00, FDA 510K Registered

<u>Quality Level Control</u>	<u>Related Defects</u>	<u>Inspection Level</u>	<u>AQL</u>
Air Test	Holes	100% Inspection	1.5
Water Tight Test	Holes	G-1, Single Sampling	1.5
Dimension	Width, Length, Thickness	S-2, Single Sampling	4.0
Visual	Pleats, Dirt, Discolouration	S-4, Single Sampling	2.5

Section 4 : Hazards Identification

Similar type of powder-free examination gloves have been tested for following study and no irritation was observed :

- Skin irritation study in rabbit
- Sensitisation study in guinea pig
- Cytotoxicity test (using ISO agarose overlay method in the L-929 mouse fibroblast cell line)

Gloves Usage Recommendation

- Wear gloves that fit well and trim fingernails for effective use.
- Gloves are for single use only. Do not reuse gloves.
- Change gloves frequently, wash and dry hands thoroughly in between changes.
- Apply any suitable non-greasy hand lotion periodically.
- User is responsible for determining the proper application of the gloves in any given procedure or practice.
- Gloves are easily contaminated while in contact with copper materials.
- Gloves contain natural rubber latex which may cause allergic reaction in some individuals.
- If new user experience any discomfort, please discontinue use and consult with a physician.

Section 5 : Storage and Disposal Consideration

Storage

Store gloves in original packing in a cool, dry and well-ventilated area, away from dust, direct sunlight, moisture, X-Ray and excessive heat above 100°F (37°C). Improper storage may reduce shelf life.

Final Disposal

Dispose the used gloves according to the local regulation.
 Main ingredient is natural latex that is biodegradable.



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Section 6: Accidental Release Measures

Spills/leaks: N/A

Section 7: Handling and Storage

Precautions: Store in a cool dry place away from excessive heat or open Flame. Keep container closed when not in use. Wash hands and clothing thoroughly after handling.

Section 8: Personal Protection

Ventilation protection: N/A

Respiration protection: If airborne dust levels exceed those listed, approved respiratory protection should be worn.

Eye protection: N/A

Skin protection: Practice good personal hygiene, wash after handling.

Section 9: Physical Properties

Appearance: N/A

Odor: None.

Boiling point: N/A

Taste: None.

Melting point: N/A

Specific gravity: N/A

Solubility in water: N/A

Vapor density: N/A

Vapor pressure: N/A

Volatility: N/A

Section 10: Stability

Stability: This product is stable.

Incompatibility: Slightly reactive with oxidizing agents.

Hazardous decomposition products: N/A

Section 11: Toxicological Information

Oral LD50: Not determined.

Dermal LD50: Not determined.

Inhalation LC50: Not determined.



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Section 12: Ecological Information

Environmental impact: This product has not been tested for ecological (physical and/or biological) hazards, or data is not available. Any products of degradation are not known to be hazardous.

Section 13: Disposal Consideration

RCRA wastetype: Not listed as banned.
Disposal methods: Dispose of in accordance with applicable federal, state and local regulations. Recycle if possible.

Section 14: Transport Information

Freight description: Fibers, NOI, in bags, bales or boxes
NMFC 068310
Primary hazard class Not regulated as hazardous material
UN/NA No: N.A.
Packing group: N.A.

Section 15: Regulations Information

Federal and state regulations: This product does not contain any toxic components greater than Trace quantities, subject to the reporting requirements of the Health and Safety reporting list.
CERCLA: This product does not contain any components subject to the reporting requirements of the Comprehensive Environmental Response, Compensation and Liability Act of 1980 (CERCLA).
TSCA 12(b): This product does not contain any components subject to TSCA 12(b) Annual Export Notification.
WHMIS: This product does not contain any components subject to reporting under WHMIS (Canada).

Section 16: Other Information/ Additional Comments

This information is believed to be accurate and represents the best information currently provided to us by the manufacturers of this material. However, we make no warranty of merchantability or any other warranty, express or implied, with respect to such information, and we assume no liability resulting from its use. Users should make their own investigations to determine the suitability of the information for their particular purposes. All materials may present unknown hazards and should be used with caution. Although certain hazards are described herein, we cannot guarantee that these are the only hazards which exist.