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Material Safety Data Sheet – Powdered & Powder-Free Latex Examination Gloves

Section 1 – Product Description

Product Name: Latex Examination Glove (Powdered, Powder-Free and Polymer Powder-Free)
Chemical Name: Natural Rubber Latex

Section 2 – Composition / Main Raw Material

Powdered: Calcium Carbonate, Corn Starch, Natural Rubber Latex, ZDBC, ZDEC, Zinc Oxide, Wingstay-L, Sulphur and Titanium
Powder-Free: Cyclaron-1, Natural Rubber latex, ZDBC, ZDEC, Zinc Oxide, Wingstay-L, Sulphur, Titanium Dioxide and Wax.
Powder-Free Polymer: Cyclaron-1, Polymer, Natural Rubber Latex, ZDBC, ZDEC, Zinc Oxide, Wingstay-L, Sulphur and Titanium Dioxide.

Section 3 – Main Characteristics

- a. Elastic and Flexible
- b. Use as protection method

Section 4 – Physical Hazards Due to Use of Products

The use of the products may cause the following possible hazards:

- 1. Transmission of disease
- 2. Skin Allergy
- 3. Contamination
- 4. Skin Irritation
- 5. Discomfort during using the product

Section 5 – Prevention by this Company to avoid Consequences Due to Hazards

The following steps have been taken to avoid/reduce the possibility of causing hazards.

1. Transmission of Diseases

- a. Causes

- Can be caused by pinholes. In any shipment of latex gloves, it may contain a few gloves with pinholes. If the pinhole is bigger, it can visually observed by putting on the hand or blowing the glove with air. If the pinhole is found, the particular piece needs to be discarded to avoid transmission of disease. Contaminated glove could also transfer disease. Please refer to item “IV” for prevention action to be taken.
- Can be caused by short length.

b. Preventions

- Mexpo International Inc. has implemented ISO 9001:2000 Quality Management System for the consistency and improvement of the quality.
- The System include Quality test at various stages of production from preproduction during production and post production test.
- Mexpo International Inc. also appoints an independent inspector to inspect consignment before delivery to customers.
- The physical properties of this company’s glove not only meet International Standard but exceed these standards which prevent tearing and other problems caused when wearing the gloves.
- Glove consignment that fails the random test will be checked 10% i.e. every single piece of glove will undergo QC process to ensure that only good gloves will reach our customer and default gloves are disposed off.

2. Skin Irritation

a. Causes

- Can be caused by chemical on the gloves

b. Prevention

- Mexpo International Inc. used only chemical, that are approved for usage in the production of gloves. Mexpo International Inc. does not use chemicals that are known or suspected to cause skin irritation. A test is performed to determine if the chemicals were leached out properly after production or not. The leaching tanks water is systematically regulated to allow proper washing off of chemicals.

3. Skin Allergy

a. Causes

- Can be caused by latex protein on gloves.

b. Prevention

- Mexpo International Inc. has good (reasonable temperature) and long leaching system to wash away latex protein. The water in the leaching system tank is systematically regulated which allows proper washing of latex. Mexpo International Inc. gloves are sent to a private laboratory

for testing of latex protein content level to guide the production process. Mexpo International Inc. Powder Free glove has a very low protein level (below 50ug/g).

4. Discomfort During Using of Gloves

a. Cause

– Can be caused by the wearing of wrong size of gloves.

b. Prevention

– Mexpo International Inc. has five sizes from extra small, small, medium, large and extra large to meet the various requirements from users.

– All sizes are within a small tolerance limit.

– There is no mixing of size in each box of gloves.

5. Contamination

a. Cause

Can be caused by micro-organism and chemicals in the gloves.

b. Prevention

– Mexpo International Inc. has long leaching facilities to wash off the micro-organisms and chemicals.

– Gloves are sending out regularly to the independent laboratory to test the level of contamination.

– Feed back from these tests are analyzed and production formulations are revised to prevent recurrence.

– Mexpo International Inc. requires suppliers to give us the certificate of analysis regarding the microbiological quality for every batch of corn-starch that they supplied to us.

– Proper storage of Corn-starch is stored in a dry place and closed container to avoid contamination.

– Fresh gloves from the production lines are put in the basket, stacked-up and stored in a dry and cool place.

Section 6 – Adequacy of Safety Measure

Mexpo International Inc. has taken steps to identify & analyze all possible risk at that may result from the use, thereby ensuring the gloves from Mexpo International Inc. is safe for usage by the public. Those gloves that do not comply with the above are re-inspected, i.e. individually gloves are checked and only those complaint gloves will not be shipped out.

Section 7 – Handling of Problem

The risk analysis is continuous process. Any test or customers complaint regarding the risk analysis problem will be handled by QA department to find out the cause of the problem and the solution for it. The procedures will be updated accordingly to solve the problem and this will be added into the risk analysis.