



MATERIAL SAFETY DATA SHEET

1. **Product Name:** Textured Powder Free Latex Examination Gloves – Black

2. **COMPOSITION / INFORMATION INGREDIENTS**

All chemicals are non-toxic / non-hazardous

Chemical Composition: Natural Rubber, Zinc Dibutyldithiocarbamate, Zinc Diethyldithiocarbamate, Potassium Hydroxide, Sulphur, Titanium Dioxide, Antioxidant, Zinc Oxide, Carbon (Black Pigment)

3. **HAZARDOUS IDENTIFICATION**

Non-toxic / Non-hazardous

4. **PHYSICAL DATA**

| SIZE | X-SMALL | SMALL | MEDIUM | LARGE | X-LARGE | TOLERANCE |
|-----------------------------|---------|---------|----------|-----------|-----------|-----------|
| Length | 240 | 240 | 240 | 240 | 240 | - |
| Width (mm) | 70 - 80 | 80 - 90 | 90 - 100 | 101 - 110 | 110 - 120 | - |
| Thickness(mm) *single layer | | | | | | |
| Palm (centre of palm) | 0.08 | 0.08 | 0.08 | 0.08 | 0.08 | Min |
| Finger(13±3mm from tip) | 0.08 | 0.08 | 0.08 | 0.08 | 0.08 | Min |

Physical Appearance: Beaded Cuff, Ambidextrous, gloves are in black color.

5. **STABILITY & REACTIVITY**

| Tensile Properties | UNAGED | | AGED (7 days @ 70°C) | |
|-----------------------------|----------------|-------------|----------------------|-------------|
| Specifications | ASTM D 3578-05 | EN 455-2:00 | ASTM D 3578-05 | EN 455-2:00 |
| Force at break (min), N | - | Med ≥ 9 | - | Med ≥ 6 |
| Tensile Strength (min), MPa | 18 | - | 14 | - |
| Elongation @ break (min) % | 650 | - | 500 | - |

Stability : Stable when stored in dry and cool room.

Condition to Avoid : Freezing, extreme heat and ozone.

6. **HEALTH AND HAZARD DATA**

Extractable Protein Content: Max 50 µg/dm²

Powder Content: Max 2 mg/glove

7. QUALITY ASSURANCE CONFORMITY

Conformity: FDA 1000ml Watertight Test
EN 455 parts 1, 2 & 3
ASTM D3578 – 05
ASTM D5151 – 06

8. FIRE & EXPLOSION HAZARD DATA

Flash Point: None
Extinguishing Media: Water spray, chemical foam or dry chemical may be used

9. ECOLOGICAL INFORMATION

Bio-Compatibility: The chemical formulation of the gloves and surface lubricating materials do not contain any substances normally known to be harmful to the user or to any person with whom the gloves contact.

10. DISPOSAL CONSIDERATION

It is mandatory to know and follow your local, state and federal regulations on the proper handling and disposal of this material. Follow the universal precaution every time there is a suspicion that the gloves come in contact with potentially infectious materials.

Product is non-hazardous, non-toxic and biodegradable

11. TRANSPORTATION INFORMATION

No special requirements

12. SPECIAL PRECAUTIONS

Store away from heat, moisture (>50%RH), direct sunlight and other types of ultra-violet radiation. Store from sources of ozone, such as electrical equipment, x-ray machines, generators, fans, etc. These are known to be detrimental to the properties of natural rubber latex.

In a large inventory, break the stack cartons on each pallet apart and restack or reconfigure cartons to facilitate cooling ventilation.

13. PREPARATION OF MSDS

This data was prepared from current, reliable sources. However Tekmedic (M) Sdn Bhd makes no warranty regarding its accuracy. Because of conditions beyond our control, it is the user's responsibility to determine safe conditions for usage.

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