

# LIVINGSTONE INTERNATIONAL PT

100% PROUDLY AUSTRALIAN OWNED • SINCE 1984

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ABN: 66 052 001 144

### MATERIAL SAFETY DATA SHEET

PRODUCTCODE: GLVNTRPF100XL-M

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**VALID TILL: 27/04/2018** 

#### SECTION I - IDENTIFICATION

Product Name: NITRILE EXAMINATION GLOVE - POWDER FREE

#### SECTION II - PRIMARY MATERIAL AND INGREDIENTS INFORMATION

Primary Material: Gloves are made from Butadiene Acrylonitrile (NBR) Copolymer

Other Ingredients CAS No. Nitrile Rubber Proprietary Zinc Oxide 1314-13-2 Sulphur 7704-34-9 Zinc Diethyl Dithiocarbamate 14324-55-1 Zinc Dibutyl Dithiocarbamate 136-23-2 Titanium Dioxide 13463-67-7 Potassium Hydroxide 1310-58-3 Color Proprietary

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

### SECTION III - PHYSICAL DATA

Appearance and Color: Non-Sterile, Solid with textured surface, Powder free with polymer coating / chlorinated, color blue / deep blue / black / white

Reactivity in Water: Non-Reactive

#### Dimension, mm

Size	Palm Width	Length	Thickness (single wall)	Inspection level	<u>AQL</u>
Extra Small	$75 \pm 5$	min. 240	min. 0.05	S2	4.0
Small	$85 \pm 5$		Cuff (25 mm from bead)		
Medium	95 ± 5		Palm (centre of palm)		
Large	105 ± 5		Finger (13 mm from tip)		
Extra Large	115 ± 5				

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AQL

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Tensile Properties

Tensile Strength (Mpa)

Unaged Aged Inspection level AQL min. 14 min. 14 S2 4.0

**S4** 

Elongation At Break (%) min. 500 min. 400

Force at Break (N) min. 6 min. 6

Freedom from Holes

Inspection level AQL 1.5 Water Tight Test G1

Visual Defects (Major)

**AQL** Inspection level 2.5

Lump ≥ 2 mm, Dirt ≥ 1.5 mm, Sticky Pleat ≥ 5 mm, Sticky, Visible Hole

(Non-inflated), Discoloration, Mix Surface, Incomplete Bead,

Wrong Orientation

Visual Defects (Minor)

Inspection level AQL Lump < 2 mm, Dirt < 1.5 mm, Sticky Pleat < 5 mm, Rolled Bead, **S4** 4.0

Powder Mark

Powder Residue

Inspection level

N = 5N/A Max. 2.0 mg/glove

Inspection Method

ASTM D6319 (latest version), ASTM 6124 (latest version), EN 455 (latest version)

#### SECTION IV - 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

Gloves Usage Recommendation

Wear gloves that fit well and trim fingernails for effective use.

Gloves are for single use only.

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.

If during use, irritaion, allergic contact dermatitis or other signs of discomfort occur, discontinue use immediately and consult a physician.

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## SECTION V - STORAGE, SPILLS AND DISPOSAL INFORMATION

Storage: Store at room temperature, avoid direct sunlight and other types of UV radiation and away from excessive heat above 100°F (37°C). Products should be shielded from X-ray, moisture, ozone, etc. Improper storage may reduce shelf life.

Spills / Disposal: Discard in appropriately marked containers. Products should be disposed after single use.

Disposal after Use: Material may be incinerated or landfilled in compliance with federal, state and local environmental control regulations.

#### SECTION VI - FIRE AND EXPLOSION HAZARD DATA

Flash Point: Not Applicable

Flammable Limits: Not Applicable

Unsual Fire and Explosion Hazards: None

#### SECTION VII - REACTIVITY DATA

Stability: Avoid excessive heat

Imcompatibility: Not Established

Decomposition Products: By high heat or fire

#### SECTION VIII - CERTIFICATE APPROVED

1) EN ISO 13485:2012/AC:2012

ISO 13485:2003

Approved by: TÜV SÜD Product Service GmbH

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