

## Product Data Sheet

### CryoSkin® Scientific Gloves

CryoSkin® gloves have been designed to provide protection when working with cryogenic liquids, such as liquid nitrogen and other cryogenic hazards. CryoSkin® Scientific gloves and aprons are made from a combination of technical, state of the art materials. The unique multilayer construction maximises thermal protection without compromising dexterity and comfort.

#### Features

- Cryogenic protection for ultra-cold applications down to -196°C
- Waterproof, breathable durable Polyester outer shell material
- Good grip and dexterity
- Excellent liquid nitrogen protection
- Waterproof breathable Porelle® moisture barrier
- 3M™ Thinsulate™ Thermal Liner
- Length: 420mm and 650mm
- Hanging loop for easy storage

#### Materials

- Outer: Polyester with PU Coating
- Moisture Barrier: Porelle® ePTFE waterproof & breathable membrane
- Thermal Liner: 3M™ Thinsulate™

#### Applications

Cryoskin® Gloves are ideal for Bio-Medical, Food Preparation, Laboratories, Liquid Nitrogen Handling and Pharmaceutical applications.



#### Testing and Certification

CryoSkin® Scientific gloves have been independently tested and are Certified by BSI to the following Australian and International Standards.



Part Number - 420mm	Description	Part Number - 650mm	Description	Size
CSGSG42SML	420mm Elbow Length	CSGSG65SML	650mm Shoulder Length	SML
CSGSG42MED	420mm Elbow Length	CSGSG65MED	650mm Shoulder Length	MED
CSGSG42LRG	420mm Elbow Length	CSGSG65LRG	650mm Shoulder Length	LRG
CSGSG42XLG	420mm Elbow Length	CSGSG65XLG	650mm Shoulder Length	XLG
CSGSG422XL	420mm Elbow Length	CSGSG652XL	650mm Shoulder Length	2XL

**IMPORTANT:** These gloves have been specifically designed for use when handling liquid gas where there is no risk of ignition. The user should not be exposed to low temperatures for extended periods of time. No gloves designed to protect against cryogenic liquids should be purposefully immersed in cryogenic liquids.

These gloves have been designed to protect the hands in the working environment in accordance with EN388:2016, EN420:2003+A1:2009 for physical and mechanical aggressions and EN511:2006 for cold. When selecting a glove based on risk analysis it should be understood that the protection is limited to the risk level and standards mentioned above.

### Precautions for use

1. It is recommended to check that the gloves are suitable for the intended use, because the conditions of use in the workplace may differ from the tests performed in the laboratory.
2. New and used gloves should be thoroughly inspected before use. Avoid using heavily soiled, damaged or worn gloves.
3. Put the gloves on dry, clean hands.
4. Ensure the insides of the gloves are dry before putting them on again.
5. These gloves have a high resistance to tearing and should not be used if likely to be caught in moving machinery.

### Care Instructions

#### Cleaning

Washing is not recommended. Do not wring. Do not tumble dry. Do not use bleach. Gloves may be rinsed in water and allowed to drip dry in ambient temperatures. Reshape whilst still damp.

#### Storage

1. Store gloves in original packaging, in a dry and cool place.
2. Keep away from direct sunlight, heat and flame.

#### Warnings

Guidance on maximum permissible exposure time to cold temperatures is given in Annex B of EN 511:2006. These gloves have been specifically designed for use when handling non-flammable liquid gas and the user should not be exposed to the low temperatures for sustained periods. Not intended for immersion in liquid nitrogen or other cryogenic liquids.

Test results apply to the gloves in the as received condition and may differ if cleaned. Do not use near moving machinery due to entanglement hazard. Overall classification may not reflect the performance of only the outermost layer. These gloves are not suitable for protection against sharply pointed objects such as hypodermic needles. Gloves may lose their insulative properties when wet inside so always place dry hands inside the gloves.