

# Tempshield

P.O. Box 199 Mt. Desert, ME 04660 USA

## Notice of Use: **Cryo-Industrial® Apron**


Issue Date: 05/01/19 Rev.: D

**Statement of Use:** Cryo-Industrial® Aprons are multi-layer protective cryogenic aprons designed to provide a high level of protection to the torso and upper legs from transmission of cold through direct contact with cold objects and from splashes from cold liquids. The aprons are intended for use in a variety of applications and under a wide range of conditions.

- The aprons have adjustable straps at the neck and waist to provide a secure fit. First secure and adjust the waist strap so that it fits comfortably at the waistline. Then secure and adjust the neck strap so that the top of the apron lays against the chest but does not pull the neck forward.
- Emergency removal is accomplished by releasing the quick-release buckle at the waist, leaning forward so that the apron hangs away from the body, and releasing the quick-release buckle at the neck.
- When handling cryogenic liquids, Cryo-Industrial® Gloves or Waterproof Cryo-Gloves® should be used along with the apron.
- Periodically inspect the condition of your apron - replace aprons that are damaged or that show excessive wear.

**Limits of Use:** The maximum duration of exposure at ultra cold temperatures is dependent on many variables, including atmospheric conditions, the task being performed and the user’s physiology. The thermal flux transmitted through the apron is sufficiently low to allow the user adequate time to safely remove themselves from the hazard.

**Warning:** Cryo-Industrial® Aprons are not intended to protect any part of the body from immersion in liquid nitrogen (LN<sub>2</sub>) or any other liquid cryogen. Not for protection against heat. Do not use near open flames or ignition sources.

**Care instructions:** Store in a clean dry space. Do not store underneath heavy objects that could compress the insulation. Do not machine wash or dry.\* 

\* Cryo-Industrial® Aprons were not submitted for CE wash testing.

**Packaging:** Cryo-Industrial® Aprons are individually packaged in poly bags.  
For shipping: Individually packaged aprons shall be additionally packaged in a suitable packing carton constructed to meet all applicable freight requirements.

**Cryo-Industrial® Aprons** satisfy all the basic health and safety requirements of the PPE Regulation (EU) 2016/425. They are ergonomically designed, absent of risks and nuisance factors, contain no materials known to cause allergies or health hazards, and are comfortable to wear for extended periods.

<b>Performance:</b> ISO 5085-1:1989	<b>Level</b>	<b>Performance:</b> EN ISO 13688:2013 Cryo-Industrial® Apron available sizes and styles:	<b>Performance:</b> EN 388:2016	<b>Level</b>
Contact Cold .....	2	<b>Model</b> <b>Sizes: Waist Width</b> <b>Length</b>	Point 6.1 - Abrasion Resistance.....	2
		CI-A 36                      61cm / 24”                      91cm / 36”	Point 6.4 - Tear Resistance.....	4
		CI-A 42                      61cm / 24”                      107cm / 42”		
		CI-A 48                      61cm / 24”                      122cm / 48”		
		CI-A 54                      61cm / 24”                      137cm / 54”		
<b>Performance:</b> EN ISO 2286-3:1989 + ISO 4675: 1990	<b>Level</b>	<b>Performance:</b> EN 20811:1993	<b>Performance:</b> EN ISO 7854:1997 - Method A	<b>Level</b>
Extreme Cold Flexibility.....	Pass	Textiles - Resistance to Water Penetration.....	Flex Cracking.....	Pass
		>1000		

Retain this document for your records. Additional copies can be obtained from our Customer Service Department at [info@tempshield.com](mailto:info@tempshield.com). Copies of the EU Declaration of Conformity may be obtained at the following web address: <https://tempshield.com/pages/eu-declaration-of-conformity>.

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