

# Safety Data Sheet

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## MediChill 'Cool Cube' Ice Pads and Ice Bandages

MediChill Ice Pads are comprised of three main components

1. Film,
2. Fabric and
3. Super Absorbent Polymer

The pad as constructed contains no dioxins or other dangerous additives and indeed the components have been in widespread use for human contact both internal and external for many years.

### COMPONENT 1

#### Film

All film material used in MediChill products are suitable for food contact and conform to Australian Standard Regulations AS2070. MediChill film should not create a safety hazard of any type, but if ingested seek medical advice immediately.

### COMPONENT 2

#### Fabric

The fabric used in MediChill products is a Bicomponent Spunbond material manufactured to the highest toxicological and ecological international standards.

The fabric is biodegradable and non toxic, allergy free to skin contact and inhalation consequently does not have any adverse human health hazards however, should discomfort be experienced apply the following First Aid measures.

**Eye Contact:** In the remote event of eye contact rinse the eye thoroughly in clean water.

**Skin Contact:** After long and continuous contact with fabric wash with soap and water and rinse thoroughly

**Inhalation:** In the remote event of inhaling fabric fibres, move to fresh air and seek medical advice.

**Ingestion:** In the unlikely event of ingesting some fabric, rinse mouth with clean water and seek medical advice.

### COMPONENT 3

#### Super Absorbent Polymer

This ingredient is an approved FDA (Food and Drug Authority) Indirect Food Additive Polymer identified with CAS Number 166164-74-5 ensuring compliance in all categories.

#### Physical Data

**Appearance:** White powders

**Bulk Density:** Approx 0.64

**Solubility in water:** Swells in water to form a viscous gel

#### Chemical Type

Cross linked polyacrylamides, sodium polyacrylates and copolymers thereof.

Polyacrylamides are generally recognised as being non-toxic. Their major uses are as flocculants, thickeners and dispersants.

As such, they are cleared throughout the world for use in potable water, in the purification of foodstuffs (eg. clarification of liquors in sugar refining) and in paper-making where paper will be used as food wrapping.

The use of polyacrylamides on growing crops is exempt from tolerance levels by the EPA in the USA.

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## MediChill 'Cool Cube' Ice Pads and Ice Bandages continued

### TESTING

Extensive environmental and toxicological testing has been completed on a wide range of micro organisms, fish, earthworms, birds and vegetables with no adverse effects to any of the samples used. These positive results enforce the claim that Super Absorbent Polymer is safe and not toxic to living being as well as being inert to the environment.

However, should exposure occur and discomfort experienced apply the following First Aid measures:

**Eye Contact:** Flush eyes thoroughly with clean water.

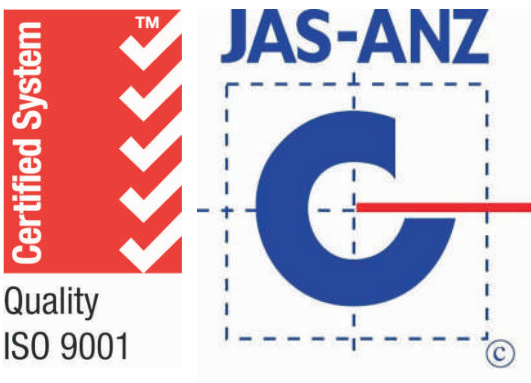
**Skin Contact:** Wash with soap and water and rinse thoroughly.

**Inhalation:** Remove to a source of fresh air and seek medical advice.

**Ingestion:** Rinse mouth thoroughly with clean water and seek medical advice if discomfort continues. Super Absorbent Polymers can be ingested with no adverse effects to health.

### SUMMARY

The three components of MediChill Ice Pads, the film, fabric and Super Absorbent Polymer are all produced from the highest quality materials and meet stringent Australian Standard Regulations. MediChill Ice Pads pose no adverse effects to health through manufacture or use.



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