



Per Vivo Labs, Inc.

Simple Solutions for Complex Problems

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ARCTICAQUA

MATERIAL SAFETY DATA SHEET

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1. PRODUCT INFORMATION AND DISTRIBUTOR IDENTIFICATION

| | |
|----------------------------|---|
| Trade Name | ArcticAqua |
| Intended Use | Non-Invasive Human Temperature Management |
| Distributor Address | 2002 Brookside Lane, Suite F Kingsport, TN 37660 |
| Phone Number | (423) 765-4007 ext.2 |
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| Website | www.pervivolabs.com |

2. HAZARDS IDENTIFICATION

| | |
|-------------------------------------|---|
| OSHA Regulatory Status | Consumer Products as defined by the U.S. Consumer Product Safety Act which are used as intended (typical consumer duration and frequency) are exempt from the OSHA Hazard Communication Standard. |
| Principle Routes of Exposure | Topical use in Polar Skin™ Ice Sheets (PSIS), Polar Skin™ C2E Ice Pack (PSC2EIP) Bundle, Polar Skin™ Cooling Hood, Polar Skin™ Cooling Collar, and the Polar Skin™ Head and neck cooling system. |
| General Hazards | ArcticAqua is a liquid component found in the Polar Skin™ family of products. The Polar Skin™ family of products are FDA Class I (exempt) Medical Devices that are safe for users and other consumers under normal and foreseeable use. |

3. COMPOSITION

| Ingredient | % |
|------------------------------|-------------|
| Potable Water | Proprietary |
| Propylene Glycol USP (99.9%) | Proprietary |

4. POTENTIAL HEALTH EFFECTS OF INGREDIENTS IN UNDILUTED FORM

Potable Water:

Eye: None.

Skin: None.

Ingestion: None.

Inhalation: None.

Chronic: None.

**Propylene Glycol USP (99.9%)
(Undiluted Form)**

Eye: May cause transitory stinging and tearing.

Skin: Mild irritant; especially with prolonged contact.

Ingestion: Relatively non-toxic. Ingestion of sizable amount (over 100ml) may cause some gastrointestinal upset and temporary central nervous system depression.

Inhalation: No adverse health effects.

Chronic: Lactic acidosis, stupor and seizures have been reported following chronic ingestion.

5. FIRST AID MEASURES

General Advice

No hazards which require special first aid measures. When symptoms persist or in all cases of doubt seek medical advice.

Eye

Rinse immediately with water. Remove contact lenses if present. If symptoms persist, call a physician.

Skin

If skin problems occur, discontinue use. If symptoms persist, call a physician.

Ingestion

Not an expected route of exposure.

Inhalation

If respiratory problems occur, discontinue use. If symptoms persist, call a physician.

Protection of First-Aiders

Not Applicable.

Most Important Symptoms/Effects

None Known.

Notes to Physician

Treat symptomatically.

6. FIRE FIGHTING MEASURES

Not Applicable

7. ACCIDENTAL RELEASE MEASURES

Not Applicable

8. EXPOSURE CONTROLS AND PERSONAL PROTECTION

Exposure Guidelines Not relevant when product is used as intended.

Engineering Measures Not Applicable.

Personal Protective Equipment

Eye No special protective equipment required.

Hand No special protective equipment required.

Skin and Body No special protective equipment required.

Respiratory No special protective equipment required.

Thermal Hazards Not Applicable.

Hygiene Measures None under normal use conditions.

9. PHYSICAL PROPERTIES

Physical State (20 C) Liquid.

Appearance Clear, slightly viscous liquid.

Odor None.

10. STABILITY AND REACTIVITY

Stability Stable under normal conditions.

Reactivity None under normal use conditions.

11. Toxicology Information

Acute Toxicity Product does not present an acute toxicity hazard based on known or supplied information.

12. Disposal Considerations

Waste from Residues/Unused Products No special considerations. Dispose in accordance with local regulations.

13. TRANSPORT INFORMATION

Not Applicable

Disclaimer: The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.

END OF MSDS