

Date: 17<sup>th</sup> June, 2009Former date: 21<sup>st</sup> September 2006

<b>1. IDENTIFICATION OF THE CHEMICAL AND OF THE MANUFACTURER, IMPORTER OR OTHER UNDERTAKING</b>			
<b>1.1 Identification of the substance or preparation</b>			
Trade name Ice Power Instant Cold compress			
<b>1.2 Use of the chemical</b>			
<b>1.2.1 The intended use</b> Cold therapy first aid			
<b>1.3 Identification of the manufacturer, importer or other undertaking</b>			
<b>1.3.1 Manufacturer, importer, other undertaking</b> Fysioline Oy Pharma			
<b>1.3.2 Contact information:</b>			
<b>Street address</b>		Arvionkatu 2	
<b>Postcode and post office</b>		33840 Tampere, Finland	
<b>E-mail</b>		info@fysioline.fi	
<b>Telephone number</b>		+358 32330 300	
<b>Telefax</b>		+358 32330 333	
<b>Y code</b>		FI 0927611-8	
<b>1.3.3 Information on foreign manufacturer</b>			
<b>1.4 Emergency telephone</b>			
<b>1.4.1 Telephone number, name and address</b> Hospital Distric of Helsinki and uusimaa, Intoxication Information Central (24h) PL 340, Haartmanninkatu 4 00029 HUS, Finland			
<b>2. COMPOSITION AND INFORMATION ON INGREDIENTS</b>			
<b>2.1 Hazardous ingredients</b>			
<b>2.1.1 CAS number or other code</b>	<b>2.1.2 Name of the ingredient</b>	<b>2.1.3 Concentration</b>	<b>2.1.4 Warning symbol, R phrases and other data on the ingredient</b>
6484-52-2, 229-347-8	Ammoniumnitrate	30 – 60 %	Xn, R8, R44
<b>3. HAZARDS IDENTIFICATION</b>			
The product is not classified hazardous.			
<b>4. FIRST AID MEASURES</b>			
<b>4.1 Special instructions</b> ---			
<b>4.2 Inhalation</b> The granules of ammonium nitrate might lightly irritate respiratory organs. This only appears if the instant cold pack is broken and the granules have not yet dissolved to the water inside the pack.			
<b>4.3 Skin contact</b> If used package breaks, remove contaminated clothes immediately and rinse disposed skin with plenty of water and soap. Rinse contaminated clothes, too.			
<b>4.4 Eye contact</b> Rinse with plenty of running water for 5-10 minutes with eye lids open. If irritation occurs after rinsing, seek medical help.			
<b>4.5 Ingestion</b> If the package is broken and ammonium nitrate is swallowed, rinse the mouth and drink some glasses of water. Do not induce vomiting. If a large quantity of ammonium nitrate is swallowed, see doctor.			
<b>4.6 Information to doctor or other trained persons giving first aid</b> ---			
<b>5. FIRE-FIGHTING MEASURES</b>			
<b>5.1 Suitable extinguishing media</b>			

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Water

5.2 **Extinguishing media which must not be used for safety reasons**

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5.3 **Special exposure hazards in a fire**

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5.4 **Special protective equipment for fire-fighters**

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5.5 **Other instructions**

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## 6. ACCIDENTAL RELEASE MEASURES

6.1 **Personal precautions**

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6.2 **Environmental precautions**

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6.3 **Methods for cleaning up**

Wash with water.

6.4 **Other instructions**

Small amounts of ammonium nitrate solid can be collected in a clean and dry container.

## 7. HANDLING AND STORAGE

7.1 **Handling**

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7.2 **Storage**

Stored in room temperature.

7.3 **Specific use(s)**

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## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1 **Exposure limit values**

8.1.1 **HTP values**

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8.1.2 **Other limit values**

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8.1.3 **Limit values in other countries**

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8.2 **Exposure controls**

8.2.1 **Occupational exposure controls**

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8.2.1.1 **Respiratory protection**

Avoid breathing ammonium nitrate dust if the pack is broken.

8.2.1.2 **Hand protection**

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8.2.1.3 **Eye protection**

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8.2.1.4 **Skin protection**

Use clothing or a towel between skin and cold compress to avoid freezing.

8.2.2 **Environmental exposure controls**

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## 9. PHYSICAL AND CHEMICAL PROPERTIES

9.1 **General information (physical state, colour and odour)**

Inodorous, granules and water bag inside white and blue plastic bag pack.

9.2 **Important health, safety and environmental information**

9.2.1 **pH**

Ammoniumnitrate inside the package: 5.4 (0.1M water suspension).

9.2.2 **Boiling point/boiling range**

Ammoniumnitrate inside the package: 210 celsius (break down).

9.2.3 **Flash point**

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9.2.4 **Flammability (solid, gas)**

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<b>9.2.5</b>	<b>Explosive properties</b>
<b>9.2.5.1</b>	<b>Lower explosive limit</b> ---
<b>9.2.5.2</b>	<b>Upper explosive limit</b> ---
<b>9.2.6</b>	<b>Oxidising properties</b> Ammoniumnitrate inside the package: Strong oxidating agent.
<b>9.2.7</b>	<b>Vapour pressure</b> ---
<b>9.2.8</b>	<b>Relative density</b> ---
<b>9.2.9</b>	<b>Solubility</b>
<b>9.2.9.1</b>	<b>Water solubility</b> Ammoniumnitrate inside the package: good water soluble (2 500 g/l).
<b>9.2.9.2</b>	<b>Fat solubility (solvent-oil to be specified)</b> Ammoniumnitrate inside the package: Dissolves to the acetone, ethanol (38 g/l), chloroform, methanol (171 g/l) and bases. Indissolve to the ethers.
<b>9.2.10</b>	<b>Partition coefficient: n-octanol/water</b> Ammonium nitrate inside the pack: $P_{ow}=0,8 \times 10^{-3}$ , $\log P_{ow}=-3,1$ , no affinity for lipids.
<b>9.2.11</b>	<b>Viscosity</b> ---
<b>9.2.12</b>	<b>Vapour density</b> ---
<b>9.2.13</b>	<b>Evaporation rate</b> ---
<b>9.3</b>	<b>Other information</b> ---
<b>10.</b>	<b>STABILITY AND REACTIVITY</b>
<b>10.1</b>	<b>Conditions to avoid</b> ---
<b>10.2</b>	<b>Materials to avoid</b> Ammoniumnitrate inside the pack: Combustible substances, agents, acids, alkali, sulphur, chlorates, chlorides, chromates, nitrites, permanganates, metal powders and substances containing copper, nickel, cobalt, zinc and alloys of any aforementioned materials.
<b>10.3</b>	<b>Hazardous decomposition products</b> Ammoniumnitrate inside the pack: In contact with alkaline metals: ammonia. Intensive heating in closed premises: may cause active reaction or explosion.
<b>11.</b>	<b>TOXICOLOGICAL INFORMATION</b>
<b>11.1</b>	<b>Acute toxicity</b> ---
<b>11.2</b>	<b>Irritation and corrosiveness</b> Ammoniumnitrate inside the package might irritate eyes and skin.
<b>11.3</b>	<b>Sensitisation</b> ---
<b>11.4</b>	<b>Sub-acute, sub-chronic and prolonged toxicity</b> ---
<b>11.5</b>	<b>Empirical data on effects on humans</b> ---
<b>11.6</b>	<b>Other information on health effects</b> ---
<b>12.</b>	<b>ECOLOGICAL INFORMATION</b>
<b>12.1</b>	<b>Ecotoxicity</b>
<b>12.1.1</b>	<b>Aquatic toxicity</b> Ammoniumnitrate inside the pack: Toxicity to the aquatic organisms depends on waters pH. Ammoniumnitrate is harmful for aquatic organisms.
<b>12.1.2</b>	<b>Toxicity to other organisms</b> ---
<b>12.2</b>	<b>Mobility</b>

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Completely soluble in water.

<b>12.3</b>	<b>Persistence and degradability</b>
<b>12.3.1</b>	<b>Biodegradation</b> Ammoniumnitrate is biologically disintegrable.
<b>12.3.2</b>	<b>Chemical degradation</b> ---
<b>12.4</b>	<b>Bioaccumulative potential</b> Not accumulative in the foodchain.
<b>12.5</b>	<b>Other adverse effects</b> ---
<b>13.</b>	<b>DISPOSAL CONSIDERATIONS</b> Can be disposed together with domestic waste. Ammoniumnitrate can be used by fertilizer if the package has been broken.
<b>14.</b>	<b>TRANSPORT INFORMATION</b>
<b>14.1</b>	<b>UN number</b> ---
<b>14.2</b>	<b>Packing group</b> ---
<b>14.3</b>	<b>Land transport</b>
<b>14.4</b>	<b>Sea transport</b>
<b>14.5</b>	<b>Air transport</b>
<b>15.</b>	<b>REGULATORY INFORMATION</b>
<b>15.1</b>	<b>Information on the warning label</b>
<b>15.1.1</b>	<b>Letter code of the warning symbol and indications of danger for the preparation</b> ---
<b>15.1.2</b>	<b>Names of the ingredients given on the warning label</b> ---
<b>15.1.3</b>	<b>R phrases</b> ---
<b>15.1.4</b>	<b>S phrases</b> ---
<b>16.</b>	<b>OTHER INFORMATION</b>
<b>16.1</b>	<b>List of the relevant R phrases</b> ---
<b>16.2</b>	<b>Training advice</b> ---
<b>16.3</b>	<b>Restrictions on use</b> ---
<b>16.4</b>	<b>Further information</b> ---
<b>16.5</b>	<b>Sources of key data used</b> Material safety data sheet delivered by raw material manufacturer.
<b>16.6</b>	<b>Information which has been added, deleted or revised</b>