

MAP 5SAFETY DATA SHEET(1) IDENTIFICATION

**Name:** MAP 5

**Use:** For the safe defrosting of embryos and ova intended for implantaion.

**Supplier:** Vetoquinol USA (Tomlyn Products)  
4250 N. Sylvania Ave  
Fort Worth, TX 76137

**Tel:** ( 817)529-7500

**Fax:** (817)529-7506

**2. HAZARDS IDENTIFICATION****Emergency Overview**

CAUTION! Colour: clear, colourless Form: liquid Odour: odourless.  
Product poses little or no hazard if spilled and no unusual hazard if involved in a fire. May cause skin irritation. May cause eye irritation.

**Hazard Communication:** This material is not hazardous under the criteria of the Federal OSHA Hazardous Communication Standard 29 CFR 1910.1200

<b>Acute Skin Hazards</b>	Exposure during the end use of this product is expected to be minimal. May cause irritation with symptoms of reddening and itching.
<b>Acute Eye Hazards</b>	Exposure during the end use of this product is expected to be minimal. May cause irritation with symptoms of reddening, tearing and stinging.
<b>Acute Ingestion Hazards</b>	Expected to be non-toxic.
<b>Chronic Effects of Exposure</b>	No applicable information was found concerning any adverse chronic health effects from overexposure to this product.

No Carcinogenic substances as defined by IARC, NTP and/or OSHA

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### 3. COMPOSITION/INFORMATION ON INGREDIENTS

#### Hazardous Ingredients:

Weight percent	Components	CAS-No.
60 - 100%	Hyaluronic acid, sodium salt	9067-32-7

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### 4. FIRST AID MEASURES

**General advice:** Take off all contaminated clothing immediately.

**If inhaled:** Remove to fresh air. Call a physician immediately.

**In case of skin contact:** After contact with skin, wash immediately with plenty of soap and water. If skin reactions occur, contact a physician.

**In case of eye contact:** In the case of contact with eyes, rinse immediately with plenty of water and seek medical advice.

**If swallowed:** If swallowed, seek medical advice immediately and show this container or label.

Contact Number: Use the Vetoquinol USA Phone Number in Section 16

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### 5. FIRE-FIGHTING MEASURES

**Suitable extinguishing media:** Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.

**Unsuitable extinguishing media:** High volume water jet

**Specific hazards during fire fighting:** Fire may cause evolution of: Carbon monoxide Carbon dioxide (CO<sub>2</sub>)

**Special protective equipment for fire-fighters:** In the event of fire, wear self-contained breathing apparatus.

**Further information:** Prevent fire extinguishing water from contaminating surface water or the ground water system.

## 6. ACCIDENTAL RELEASE MEASURES

**Personal precautions:** Use personal protective equipment.

**Methods for cleaning up:** Cover spilt product with liquid-binding material (sand, silica gel, acid binder, universal binder, hybilat). Take up mechanically and fill into labelled, closable containers.

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## 7. HANDLING AND STORAGE

### Handling:

Avoid formation of aerosol. Avoid contact with skin, eyes and clothing.

Take measures to prevent the build-up of electrostatic charge. Keep away from open flames, hot surfaces and sources of ignition.

### Storage:

Store in a cool dry place.

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## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

### Respiratory protection:

Recommended Filter type: Organic vapor with prefilter

### Hand protection:

Chemically resistant gloves.

### Eye protection:

Safety glasses

### Other protective measures:

Wear suitable protective equipment.

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## 9. PHYSICAL AND CHEMICAL PROPERTIES

Colour:	clear, colourless
Odour:	odourless
Boiling point/boiling range:	no data available
Density:	no data available
Vapour pressure:	no data available

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Viscosity, dynamic:	no data available
Miscibility with water:	no data available
pH: (25°C)	6.8 – 7.5 at ( 77 °F
Partition coefficient (n-octanol/water):	no data available
Flash point:	> 200 °F (93.3 °C)
Ignition temperature:	not determined

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## 10. STABILITY AND REACTIVITY

**Conditions to avoid:** none

**Materials to avoid:** Oxidizing agents

**Hazardous reactions:** None known.

**Thermal decomposition:**

no data available

**Hazardous decomposition products:**  
Carbon monoxide, Carbon dioxide (CO<sub>2</sub>)

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## 11. TOXICOLOGICAL INFORMATION

**Other information on toxicity:**

No data is available on the product itself.

**Acute oral toxicity:**  
LD50 rat: 1,230 mg/kg

**Skin irritation:**  
rabbit  
Result: non-irritant

**Eye irritation:**  
rabbit  
Result: Mild eye irritation

**Genotoxicity in vitro: None observed**Result: negative

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**12. ECOLOGICAL INFORMATION****General advice:**

Do not allow to enter surface waters or groundwater. No data is available on the product itself.

**Toxicity to fish:**

Acute Fish toxicity: LC50 10 mg/l

Test species: *Lepomis macrochirus* (Bluegill) Duration of test: 96 h**Toxicity to daphnia and other aquatic invertebrates:**

EC50 400 mg/l

Test species: *Daphnia magna* (Water flea) Duration of test: 24 h

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**13. DISPOSAL CONSIDERATIONS**

If discarded in its purchased form, this product would not be a hazardous waste either by listing or by characteristic. However, under RCRA, it is the responsibility of the product user to determine at the time of disposal, whether a material containing the product or derived from the product should be classified as a hazardous waste. (40 CFR 261.20-24)

Waste disposal should be in accordance with existing federal, state and local environmental control laws.

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**14. TRANSPORT INFORMATION****Land transport (DOT)**

Non-Regulated

**Inland waterway transport**

Non-Regulated

**Railway transport**

Non-Regulated

**Sea transport (IMDG)**

Non-Regulated

**Air transport (ICAO / IATA cargo aircraft only)**  
Non-Regulated

**Air transport (ICAO / IATA passenger and cargo aircraft)**  
Non-Regulated

**15. REGULATORY INFORMATION**

**US. Toxic Substances Control Act**      This product is exempt from TSCA under Section 3 (2)(B)(vi) when used for pharmaceutical application.

**US. EPA Emergency Planning and Community Right-To-Know Act (EPCRA) SARA Title III Section 302 Extremely Hazardous Substance (40 CFR 355, Appendix A) Components**  
None

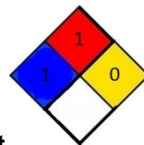
**SARA Section 311/312 Hazard Categories**                      Exempt from SARA Section 311/312

**US. EPA Emergency Planning and Community Right-To-Know Act (EPCRA) SARA Title III Section 313 Toxic Chemicals (40 CFR 372.65) - Supplier Notification Required Components**  
None

**US. EPA CERCLA Hazardous Substances (40 CFR 302)Components**  
None

**California Prop. 65**

**To the best of our knowledge, this product does not contain any of the listed chemicals, which state of California has found to cause cancer, birth defects or other reproductive harm.**



**OSHA Hazcom Standard Rating**      Irritant

**NEPA 704M Rating:** 0=Insignificant 1=Slight 2=Moderate 3=High 4=Extreme

(16) **OTHER INFORMATION**

**Uses:** Intravenous injection for the treatment of joint dysfunction.

**Further product information:** Consult MAP 5 technical leaflet or Vetoquinol USA website [www.vetoquinolUSA.com](http://www.vetoquinolUSA.com) for further information.

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Vetoquinol USA

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**TELEPHONE NUMBER:** (817)529-7500







