

SAFETY DATA SHEETS

This SDS packet was issued with item:

078036132

The safety data sheets (SDS) in this packet apply to the individual products listed below. Please refer to invoice for specific item number(s).

078036140

MAP 5**SAFETY 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

Acute Skin Hazards	Exposure during the end use of this product is expected to be minimal. May cause irritation with symptoms of reddening and itching.
Acute Eye Hazards	Exposure during the end use of this product is expected to be minimal. May cause irritation with symptoms of reddening, tearing and stinging.
Acute Ingestion Hazards	Expected to be non-toxic.
Chronic Effects of Exposure	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

3. COMPOSITION/INFORMATION ON INGREDIENTS

Hazardous Ingredients:

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

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

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 (CO₂)

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.

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.

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.

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

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

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 (CO₂)

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

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

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.

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

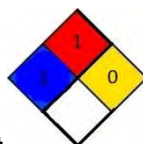
None

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 for further information.

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SDS Dated: 20, August 2015

Supersedes: MSDS dated 08, October 2013

TELEPHONE NUMBER: (817)529-7500

Vetoquinol  *a Sign of Passion*

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