

1. IDENTIFICATION OF PRODUCT AND SUPPLIER

Product name: Magnesium-XB (CATALOG No. HM929, HM729, HM429, OM929)
Product Use: For the quantitative determination of Magnesium concentration in serum.
Supplier: POINTE SCIENTIFIC INC.
5449 Research Drive
Canton, Michigan 48188
Ph: 1-734-487-8300
Fax: 1-734-483-1592
Email: info@pointescientific.com
Emergency: Pointe Scientific, Inc. Tel. 1-800-445-9853

2. HAZARD(S) IDENTIFICATION

R1:

Hazard Classifications:

Skin corrosion/irritation (Category 2)
Serious eye damage/eye irritation (Category 2)
Specific target organ toxicity, single exposure; Respiratory tract irritation (Category 3)

Hazard Statements

H315: Causes skin irritation
H319: Causes serious eye irritation
H335: May cause respiratory irritation

Precautionary Statements

Prevention:

P261 Avoid breathing dust/fume/gas/mist/vapors/spray.
P264 Wash skin thoroughly after handling.
P271 Use only in a well-ventilated area.
P280 Wear protective gloves/protective clothing/eye protection/face protection.

Response:

P312 Call a POISON CENTER or doctor/physician if you feel unwell.
P362 Take off contaminated clothing and wash before reuse.
P302 + P352 IF ON SKIN: wash with plenty of soap and water.
P304 + P340 IF INHALED: Remove victim to fresh air and Keep at rest in a position comfortable for breathing.
P305 + P351 + P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do.
Continue rinsing.
P332 + P313 IF SKIN irritation occurs: Get medical advice/attention.
P337 + P313 IF eye irritation persists: Get medical advice/attention.

Storage:

P403 + P233 Store in a well-ventilated place. Keep container tightly closed.

Disposal:

P501: Dispose of contents into sewer system after diluting with large volumes of water, if in accordance with local regulations.



Signal Word: Warning

R2:

Hazard Classifications:

Skin corrosion/irritation (Category 2)
Serious eye damage/eye irritation (Category 2)

Hazard Statements

H315: Causes skin irritation
H319: Causes serious eye irritation

Precautionary Statements

Prevention:

P264 Wash skin thoroughly after handling..
P280 Wear protective gloves/protective clothing/eye protection/face protection.



Signal Word: Warning

Response:

P362 Take off contaminated clothing and wash before reuse.

P302 + P352 IF ON SKIN: wash with plenty of soap and water.

P305 + P351 + P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P332 + P313 IF SKIN irritation occurs: Get medical advice/attention.

P337 + P313 IF eye irritation persists: Get medical advice/attention.

Storage:

None

Disposal:

None

3. COMPOSITION / INFORMATION ON INGREDIENTS

R1: 1,6-Diaminohexane (CAS # 124-09-4) 2.50%
Potassium Cyanide (CAS # 151-50-8) 0.04%

R2: DMSO (CAS # 67-68-5) 20%
Xylidyl Blue (CAS # 14936-97-1) 0.01%

4. FIRST AID MEASURES

SKIN: In case of contact, immediately flush area with plenty of water.
EYES: Immediately flush eyes with plenty of water for at least 15 minutes and get medical attention.
ORAL: If ingested drink plenty of fluids and contact a physician.
INHALATION: If inhaled move victim to fresh air. If not breathing give artificial respiration. If breathing is difficult give oxygen, and call physician.

5. FIRE-FIGHTING MEASURES

Flammable: NO
Extinguishing media: As appropriate for fire in surrounding materials.
Flash point: Not Applicable
Upper flammable limit: Not Applicable
Lower flammable limit: Not Applicable
Autoignition temperature: Not Applicable
Hazardous combustion products: No data

Explosion data

Sensitivity to mechanical impact: Not Applicable
Sensitivity to static discharge: Not Applicable
Unusual fire and explosion hazards: No Data

6. ACCIDENTAL RELEASE MEASURES

Local exhaust: Not Required
Protective clothing: Lab Coat
Protective gloves: Rubber/Latex
Eye protection: Safety glasses
Respiratory protection: Required for R1 if inadequate ventilation.
Leak and spill procedure: Absorb small leaks or spills with sponge, mop up large spills with plenty of soap and water.

7. HANDLING AND STORAGE

Handling: Normal precautions for handling chemicals must be observed.
Storage: Store at room temperature.
Shipping regulations: Not regulated

8. EXPOSURE CONTROLS / PERSONNEL PROTECTION

Local exhaust:	Not Required
Protective clothing:	Lab Coat
Protective gloves:	Rubber/Latex
Eye protection:	Safety glasses
Respiratory protection:	Required for R1 if inadequate ventilation.
Other precautions:	Avoid contact and inhalation, do not get in eyes, on skin or clothing. Do not pipet by mouth. Wash contaminated clothing before reuse.

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical state:	Reagent is provided as a two part liquid.
Appearance and odor:	R1 is clear and colorless. R2 is clear and red to ruby in color.
Odor threshold:	Slight odor
Vapor pressure:	Not Available
Vapor density:	Not Available
Specific gravity:	Not Available
Evaporation rate:	Not Available
Melting point:	Not Available
Boiling point:	Not Available
Solubility in water:	Not Applicable
pH:	Reagent = R1: 11.0 R2: 6.5
Coefficient of oil/water distribution:	Not Available

10. STABILITY AND REACTIVITY

Stable:	Yes
Hazardous polymerization:	Will not occur.
Incompatibility with other substances:	R1: Avoid contacts with acids.
Hazardous decomposition products:	R1: Decomposition with acid to liberate cyanide gas.

11. TOXICOLOGICAL INFORMATION

ROUTE OF ENTRY/EXPOSURE

SKIN CONTACT: [x] EYE CONTACT: [x] INHALATION: [x] INGESTION: [x] SKIN ABSORPTION [x]

Effects of acute exposure:

SKIN CONTACT:	May cause irritation.
EYE CONTACT:	May cause irritation.
INGESTION:	May be harmful if ingested.
INHALATION:	May cause irritation to mucous membranes and upper respiratory tract.

Effects of chronic exposure: No data available.

SENSITIZATION TO PRODUCT:	Not Available
SYNERGISTIC PRODUCTS:	Not Available
LD50: MOPSO:	Not Available

12. ECOLOGICAL INFORMATION

Water Hazard Class: Data not yet available.

13. DISPOSAL CONSIDERATIONS

Waste disposal: Dilute with large volumes of water and dispose of into sewer system, if in accordance with local regulations.

14. TRANSPORT INFORMATION

Shipping information: Not regulated

15. REGULATORY INFORMATION

Not applicable.

16. OTHER INFORMATION

The information herein is believed to be correct as of the date hereof but is provided without warranty of any kind. The recipient of our products is responsible for observing any laws and guidelines applicable.

Document number: SDS-HM929

Rev. 5/15