# SAFETY DATA SHEET

**Issuing Date:** 27-Jan-2021 **Revision Date:** 27-Jan-2021

## 1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND OF THE COMPANY/UNDERTAKING

**Product identifier**
**SDS Number:** BXU562138
**Product Name:** Magnesium Sulfate in 5% Dextrose Injection

**Other means of identification**
**Synonyms:** None

**Recommended use of the chemical and restrictions on use**
**Product Use:** Pharmaceutical.
**Product Type:** Regulated Prescription Drug
**Uses advised against** No information available

**Details of the supplier of the safety data sheet**
BAXTER HEALTHCARE CORPORATION
1 BAXTER PARKWAY
DEERFIELD, ILLINOIS 60015
US: (800) 933-0303
Canada: (855)-584-1368
**Emergency telephone number**
Verisk 3E Global Incident Response Hotline +1 760 476 3962; Access Code 335625

## 2. HAZARDS IDENTIFICATION

**Classification**

**OSHA Regulatory Status**
This chemical is not considered hazardous by the 2012 OSHA Hazard Communication Standard (29 CFR 1910.1200)

Not a dangerous substance or mixture according to the Globally Harmonized System (GHS)

**Label Elements**

**Emergency Overview**

The product contains no substances which at their given concentration, are considered to be hazardous to health

**Hazards not otherwise classified (HNOC)**
**Other Information**
Unknown Acute Toxicity 1 % of the mixture consists of ingredient(s) of unknown toxicity

## 3. COMPOSITION/INFORMATION ON INGREDIENTS

| Chemical name | CAS No. | Weight-% |
|---|---|---|
| Magnesium Sulfate | 7487-88-9 | 1 |
| Dextrose | 5996-10-1 | 99 |

## 4. FIRST AID MEASURES

**Description of first aid measures**

**General Advice** Treat symptomatically and supportively.

**Eye contact:** In case of contact, immediately flush eyes with plenty of water for at least 15 minutes. Get medical attention if irritation develops.

**Skin contact:** In case of contact, immediately flush skin with plenty of water. Get medical attention if irritation develops.

**Inhalation:** If inhaled, remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical attention if symptoms occur.

**Ingestion:** Do NOT induce vomiting unless directed to do so by medical personnel. Never give anything by mouth to an unconscious person. If large quantities of this material are swallowed, call a physician immediately.

**Most important symptoms and effects, both acute and delayed**
No information available.

**Indication of any immediate medical attention and special treatment needed**
Treat symptomatically. See patient package insert in shipping carton for complete information.

## 5. FIRE-FIGHTING MEASURES

**Suitable extinguishing media**
Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

**Specific hazards arising from the chemical**
No information available.

**Special protective equipment for firefighters**
Fire fighters should wear positive pressure self-contained breathing apparatus (SCBA) and full turnout gear.

## 6. ACCIDENTAL RELEASE MEASURES

**Personal precautions, protective equipment and emergency procedures**
Use suitable protective equipment (Section 8). Follow all fire fighting procedures (Section 5).

**Environmental precautions**
See Section 12 for environmental precautions.

**Methods and material for containment and cleaning up**
**Methods for Containment:**
If emergency personnel are unavailable, contain spilled material.
**Methods for cleaning up:**
For small spills add absorbent (soil may be used in the absence of other suitable materials) scoop up material and place in a sealed, liquid-proof container for disposal. For large spills dike spilled material or otherwise contain material to ensure runoff does not reach a waterway. Place spilled material in an appropriate container for disposal.

## 7. HANDLING AND STORAGE

**Precautions for safe handling**

**Technical measures/precautions:** Wash thoroughly after handling.

**Conditions for safe storage, including any incompatibilities**

**Technical measures and storage conditions:** Keep containers tightly closed in a cool, well-ventilated place. Store between 20-25°C (68° to 77°F). Do not freeze.

**Incompatible materials:** Salicylates, Alkali carbonates.

## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

### Occupational Exposure Limits

**Exposure Limits:** This product, as supplied, does not contain any hazardous materials with occupational exposure limits established by the region specific regulatory bodies.

| Chemical name | OSHA- Time Weighted Average: | OSHA- Short Term Exposure Limit: | OSHA- Ceiling Limits | ACGIH- Time Weighted Average: | ACGIH- Short Term Exposure Limit: | ACGIH- Ceiling Limit Value: |
|---|---|---|---|---|---|---|
| Magnesium Sulfate 7487-88-9 | None | None | None | None | None | None |
| Dextrose 5996-10-1 | None | None | None | None | None | None |

**Appropriate engineering controls**

**Engineering Measures** No special containment is required. Good general ventilation should be sufficient to control airborne levels.

**Individual protection measures, such as personal protective equipment**

**Eye protection** Eye protection not required for normal final product use. Safety glasses with side-shields are recommended for laboratory and manufacturing use.

**Hand protection** Use chemical resistant, impervious gloves.

**Skin and body protection** Work uniform or laboratory coat.

**Respiratory protection** No personal respiratory protective equipment normally required.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

**Information on basic physical and chemical properties**

| | |
|---|---|
| **Physical state:** | Liquid |
| **Appearance:** | Aqueous solution. |
| **Color:** | Clear Colorless to light yellow. |
| **Odor:** | No information available |
| **Odor Threshold:** | No information available |
| **pH:** | 3.5 - 6.5 |
| **Melting point / melting range:** | No information available |
| **Boiling point / boiling range:** | No information available |
| **Flash point:** | No information available |
| **Evaporation rate:** | No information available |
| **Flammability (solid, gas):** | No information available |
| **Flammable limits in air-upper (%):** | No information available |
| **Flammable limits in air-lower (%):** | No information available |
| **Vapor pressure:** | No information available |
| **Vapor density** | No information available |
| **Density:** | No information available |
| **Solubility:** | Soluble in water. |
| **Partition coefficient (n-octanol/water):** | No information available |

**Autoignition temperature:** No information available
**Decomposition temperature** No information available
**Viscosity:** No information available
**Explosive Properties:** No information available
**Oxidizing Properties:** No information available

**Other information**

## 10. STABILITY AND REACTIVITY

**Reactivity**
No data available

**Chemical stability**
Stable under recommended storage conditions

**Possibility of hazardous reactions**
None under normal use conditions

**Conditions to Avoid**
Do not freeze.

**Incompatible materials**
Salicylates, Alkali carbonates

**Hazardous decomposition products**
Sulphur oxides. Magnesium oxide.

## 11. TOXICOLOGICAL INFORMATION

| Chemical name | Inhalation LC50 | Dermal LD50 | Oral LD50 |
|---|---|---|---|
| Magnesium Sulfate<br>7487-88-9 | - | > 2000 mg/kg (Rat) | > 2000 mg/kg (Rat) |
| Dextrose<br>5996-10-1 | - | - | - |

**Information on likely routes of exposure**

**Inhalation:** Inhalation not likely under normal use conditions.

**Eye contact:** No data available. Avoid contact with eyes.

**Skin contact:** No data available. Avoid contact with skin.

**Ingestion:** Sweating, Hypotension. Ingestion may cause low body temperature, difficulty breathing, drowsiness, symptoms of drunkenness, and paralysis. CNS depression. Hypocalcemia. Central Nervous System depressant (may include drowsiness, confusion, hallucinations, convulsions, visual disturbances, headache, coma).

**Information on Toxicological Effects**

**Symptoms:** No information available.

**Delayed and immediate effects as well as chronic effects from short and long-term exposure**

**Irritation:** Not classified.

**Corrosivity:** Not classified.

**Sensitization:** Not classified.

**Mutagenic effects:** Not classified.

**Carcinogenic effects:** Not classified.

| Chemical name | ACGIH | IARC | NTP | OSHA |
|---|---|---|---|---|
| Magnesium Sulfate 7487-88-9 | - | - | - | - |
| Dextrose 5996-10-1 | - | - | - | - |

**Reproductive toxicity:** Not classified.

**STOT - single exposure:** Not classified.

**STOT - repeated exposure:** Not classified.

**Aspiration Hazard:** Not classified.

**Numerical measures of toxicity - Product Information**

**Unknown Acute Toxicity** 1 % of the mixture consists of ingredient(s) of unknown toxicity

## 12. ECOLOGICAL INFORMATION

| Chemical name | Ecotoxicity - Water Flea Data | Fish Species Ecotoxicity | Ecotoxicity - Freshwater Algae Data | Ecotoxicity - Microtox Data |
|---|---|---|---|---|
| Magnesium Sulfate 7487-88-9 | 266.4 - 417.3 mg/L EC50 48 h<br>1700 mg/L EC50 24 h | 2610 - 3080 mg/L LC50 Pimephales promelas 96 h<br>19000 mg/L LC50 Lepomis macrochirus 24 h | 2700 mg/L 72 h | None. |
| Dextrose 5996-10-1 | None. | None. | None. | None. |

**Ecotoxicity**
No information available
0 % of the mixture consists of components(s) of unknown hazards to the aquatic environment

**Persistence and degradability**
No information available.

**Bioaccumulative potential**
Bioaccumulative potential

**Mobility in soil**
No information available

**Other adverse effects**
No information available

## 13. DISPOSAL CONSIDERATIONS

**Waste treatment methods**

**Waste from residues/unused products** In accordance with local and national regulations

**Contaminated Packaging** In accordance with local and national regulations.

## 14. TRANSPORT INFORMATION

**DOT** Not regulated

## 15. REGULATORY INFORMATION

**U.S. Regulations:**

**TSCA Inventory List -** The product is exempt from TSCA, it is FDA Regulated

**OTHER REGULATIONS:**

| Chemical name | Weight-% | RCRA Status: | CERCLA Reportable Quantity: | CERCLA/SARA - 302 Ext. haz. substances: | Listed as Sara 313 title III: |
|---|---|---|---|---|---|
| Magnesium Sulfate 7487-88-9 | 1 | Not Listed | Not Listed | Not Listed | Not Listed |
| Dextrose 5996-10-1 | 99 | Not Listed | Not Listed | Not Listed | Not Listed |

**STATE REGULATIONS:**

| Chemical name | California Prop. 65 | Minnesota Right-To-Know: | Florida Right-to-Know Reporting List: | Rhode Island Right-to-Know List: | Massachusetts Right-to-Know List: | Pennsylvania Right-to-Know: | New Jersey Right-to-Know: |
|---|---|---|---|---|---|---|---|
| Magnesium Sulfate 7487-88-9 | Not Listed | Not Listed | Not Listed | Not Listed | Not Listed | Not Listed | Not Listed |
| Dextrose 5996-10-1 | Not Listed | Not Listed | Not Listed | Not Listed | Not Listed | Not Listed | Not Listed |

**CANADIAN REGULATIONS:**

**Canada DSL Inventory List -** This product does not comply with DSL

## 16. OTHER INFORMATION

**This data sheet contains changes from the previous version in section(s):**
None

**Additional information:**
Not Available.

**Prepared by:** Baxter Research & Development
**Issuing Date:** 27-Jan-2021
**Revision Date:** 27-Jan-2021

To the best of our knowledge, the information contained herein is accurate. However, neither the above named supplier nor any of its subsidiaries assumes any liability whatsoever for the accuracy or completeness of the information contained herein. Final determination of suitability of any material is the sole responsibility of the user. All materials may present unknown hazards and should be used with caution. Although certain hazards are described herein, we cannot guarantee that these are the only hazards that exist.

**End of Safety Data Sheet**