

MATERIAL SAFETY DATA SHEET

Section 1 - Product and Company Information

Product Name **MAGNESIUM CHLORIDE**

Product Number M9272

Manufacturer: Pursuit Industries Pvt Ltd., Corp. Off: 401, Angel Square, B/S Royal Square, Utran | Surat-395007, Gujarat, India

Section 2 - Composition/Information on Ingredient

Substance Name CAS # SARA 313

MAGNESIUM CHLORIDE HEXAHYDRATE 7791-18-6 No

Formula $MgCl_2 \cdot 6H_2O$

RTECS Number: OM2975000

Section 3 - Hazards Identification

EMERGENCY OVERVIEW Caution: Avoid contact and inhalation. Target organ(s): Central nervous system. Kidneys.

HMIS RATING

HEALTH: 1*

FLAMMABILITY: 0

REACTIVITY: 1

NFPA RATING

HEALTH: 1

FLAMMABILITY: 0

REACTIVITY: 1

For additional information on toxicity, please refer to **Section 11**.

Section 4 - First Aid Measures

ORAL EXPOSURE

If swallowed, wash out mouth with water provided person is conscious. Call a physician.

INHALATION EXPOSURE

If inhaled, remove to fresh air. If breathing becomes difficult, call a physician.

DERMAL EXPOSURE

In case of contact, immediately wash skin with soap and copious amounts of water.

EYE EXPOSURE

In case of contact with eyes, flush with copious amounts of water for at least 15 minutes. Assure adequate flushing by separating the eyelids with fingers. Call a physician.

Section 5 - Fire Fighting Measures

FLASH POINT N/A

AUTOIGNITION TEMP N/A

FLAMMABILITY N/A

EXTINGUISHING MEDIA

Suitable: Water spray. Carbon dioxide, dry chemical powder, or appropriate foam.

FIREFIGHTING Protective Equipment: Wear self-contained breathing apparatus and protective clothing to prevent contact with skin and eyes. Specific Hazard(s): Emits toxic fumes under fire conditions.

Section 6 - Accidental Release Measures

PROCEDURE(S) OF PERSONAL PRECAUTION(S)

Exercise appropriate precautions to minimize direct contact with skin or eyes and prevent inhalation of dust.

METHODS FOR CLEANING UP

Sweep up, place in a bag and hold for waste disposal. Avoid raising dust. Ventilate area and wash spill site after material pickup is complete.

Section 7 - Handling and Storage

HANDLING

User Exposure: Avoid inhalation. Avoid contact with eyes, skin, and clothing. Avoid prolonged or repeated exposure.

STORAGE Suitable: Keep tightly closed. SPECIAL REQUIREMENTS Moisture sensitive. Hygroscopic

Section 8 - Exposure Controls / PPE

ENGINEERING CONTROLS - Safety shower and eye bath. Mechanical exhaust required.

PERSONAL PROTECTIVE EQUIPMENT

Respiratory: Wear dust mask.

Hand: Protective gloves.

Eye: Chemical safety goggles.

GENERAL HYGIENE MEASURES

SIGMA - M9272 www.sigma-aldrich.com Wash thoroughly after handling.

Section 9 - Physical/Chemical Properties Appearance Physical State: Solid Property Value At Temperature or Pressure

Molecular Weight 203.31 AMU

PH N/A

BP/BP Range N/A

MP/MP Range N/A

Freezing Point N/A

Vapor Pressure N/A

Vapor Density N/A

Saturated Vapor Conc. N/A

SG/Density 1.57 g/cm³

Bulk Density N/A

Odor Threshold N/A

Volatile% N/A

VOC Content N/A

Water Content N/A

Solvent Content N/A

Evaporation Rate N/A

Viscosity N/A

Surface Tension N/A

Partition Coefficient N/A

Decomposition Temp. N/A

Flash Point N/A

Explosion Limits N/A

Flammability N/A

Autoignition Temp N/A

Refractive Index N/A

Optical Rotation N/A

Miscellaneous data N/A

Solubility N/A

N/A = not available

Section 10 - Stability and Reactivity

STABILITY

Stable: Stable.

Conditions to Avoid: Moisture.

Materials to Avoid: Strong oxidizing agents.

HAZARDOUS DECOMPOSITION PRODUCTS

Hazardous Decomposition Products: Hydrogen Chloride gas, Magnesium oxide.

HAZARDOUS POLYMERIZATION

Hazardous Polymerization: Will not occur

Section 11 - Toxicological Information

ROUTE OF EXPOSURE

Skin Contact: May cause skin irritation.

Skin Absorption: May be harmful if absorbed through the skin.

Eye Contact: May cause eye irritation.

Inhalation: May be harmful if inhaled. Material may be irritating to mucous membranes and upper respiratory tract.

Ingestion: May be harmful if swallowed.

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TARGET ORGAN(S) OR SYSTEM(S)

Central nervous system. Kidneys. G.I. System.

SIGNS AND SYMPTOMS OF EXPOSURE

Can cause CNS depression. Exposure can cause: Stomach pains, vomiting, diarrhea. To the best of our knowledge, the chemical, physical, and toxicological properties have not been thoroughly investigated.

TOXICITY DATA

Oral

Rat 8100 mg/kg

LD50

Oral

Mouse 7600 mg/kg

LD50

Remarks: Behavioral:Somnolence (general depressed activity). Behavioral:Excitement. Intraperitoneal

Mouse 775 MG/KG LD50

Remarks: Behavioral:Somnolence (general depressed activity). Behavioral:Excitement.

CHRONIC EXPOSURE - MUTAGEN

Species: Hamster Hamster

Dose: 12 GM/L 12 GM/L

Cell Type: lung lung

Mutation test: Cytogenetic analysis Cytogenetic analysis

Section 12 - Ecological Information

No data available.

Section 13 - Disposal Considerations

APPROPRIATE METHOD OF DISPOSAL OF SUBSTANCE OR PREPARATION Contact a licensed professional waste disposal service to dispose of this material. Dissolve or mix the material with a combustible solvent and burn in a chemical incinerator equipped with an afterburner and scrubber. Observe all federal, state, and local environmental regulations.

Section 14 - Transport Information

Proper Shipping Name: None

Non-Hazardous for Transport: This substance is considered to be non-hazardous for transport.

IATA - Non-Hazardous for Air Transport: Non-hazardous for air transport.

Section 15 - Regulatory Information

US CLASSIFICATION AND LABEL TEXT

US Statements: Caution: Avoid contact and inhalation. Target organ(s): Central nervous system. Kidneys.

Section 16- Other Information

DISCLAIMER For R&D use only. Not for drug, household or other uses. WARRANTY

The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide.