



MATERIAL SAFETY DATA SHEET

Version :02

PRODUCT NAME: MAGNESIUM CHLORIDE ANHYDROUS

CAS Number: 7786-30-3

1. IDENTIFICATION:

Product Code : 90313

Company Name : ADVENT CHEMBIO PRIVATE LIMITED

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2. HAZARDS IDENTIFICATION:**Hazard classification**

Labels elements : Not a hazardous substance or mixture.

Hazard symbol : Not a hazardous substance or mixture.

Signal word : Not a hazardous substance or mixture.

Hazard statement : Not a hazardous substance or mixture.

Precautionary statement : Not Applicable.

Other hazards which do not result in GHS classification : None.

3. COMPOSITION/ INFORMATION ON INGREDIENTS:

Ingredient	CAS Number	Percent	Hazardous
Magnesium Chloride Anhydrous	7786-30-3	99 - 100 %	No

4. FIRST AID MEASURES:

General information : Get medical advice/attention if you feel unwell. Show this safety data sheet to the doctor in attendance.

Ingestion : Call a physician or poison control center immediately. Rinse mouth. Do NOT induce vomiting. If vomiting occurs, keep head low so that stomach content doesn't get into the lungs.

Inhalation : Move to fresh air. Call a physician or poison control center immediately. If breathing stops, provide artificial respiration. If breathing is difficult, give oxygen.
Get medical attention if symptoms persist.

Skin contact : Wash skin thoroughly with soap and water. Get medical attention if irritation persists after washing. Wash contaminated clothing before reuse.

Eye contact : Immediately flush with plenty of water for at least 15 minutes. If easy to do, remove contact lenses. Get medical attention.

Most important : May cause irritation to skin, eyes, and respiratory tract.



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symptoms/effects, acute
and delayed

Indication of immediate

medical attention and

special treatment needed

: Symptoms may be delayed. Treat symptomatically.

5. FIRE FIGHTING MEASURES:

General information

: No data available.

Suitable (and unsuitable) extinguishing mediaSuitable extinguishing
media

: The product is non-combustible. Use fire-extinguishing media appropriate for surrounding materials.

Unsuitable extinguishing
media

: None known.

Specific hazards arising
from the chemical

: None known.

Special protective equipment and precautions for firefightersSpecial firefighting
procedures

: Use water spray to keep fire-exposed containers cool. Water may be ineffective in fighting the fire. Fight fire from a protected location. Move containers from fire area if you can do so without risk.

Special protective
equipment for fire-fighters

: Firefighters must use standard protective equipment including flame retardant coat, helmet with face shield, gloves, rubber boots, and in enclosed spaces, SCBA.

6. ACCIDENTAL RELEASE MEASURES:Personal precautions,
protective equipment and
emergency procedures

: ELIMINATE all ignition sources (no smoking, flares, sparks or flames in immediate area). Avoid breathing mists or vapors. Keep upwind. Ventilate closed spaces before entering them. Do not touch damaged containers or spilled material unless wearing appropriate protective clothing. Keep unauthorized personnel away.

Methods and material for
containment and cleaning
up

: Eliminate all ignition sources if safe to do so. Use only non-sparking tools. Take precautionary measures against static discharges. Stop leak if possible without any risk. Absorb spill with vermiculite or other inert material, then place in a container for chemical waste. Clean surface thoroughly to remove residual contamination. Dike far ahead of larger spill for later recovery and disposal.

Notification Procedures

: Prevent entry into waterways, sewer, basements or confined areas. Inform authorities if large amounts are involved.

Environmental precautions

: Do not contaminate water sources or sewer. Prevent further leakage or spillage if safe to do so. Avoid discharge into drains, water courses or onto the ground.

7. HANDLING AND STORAGE:



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Precautions for safe handling

Do not handle until all safety precautions have been read and understood. DO NOT handle, store or open near an open flame, sources of heat or sources of ignition. Protect material from direct sunlight. Take precautionary measures against static discharges. Ground/bond container and receiving equipment. Use explosion-proof electrical/ventilating/lighting/equipment. Use only non-sparking tools. Wear protective gloves/protective clothing/eye protection/ face protection. Avoid contact with eyes, skin, and clothing. Do not breathe mist or vapor. Use only with adequate ventilation. Wash hands thoroughly after handling.

Conditions for safe storage, including any incompatibilities

Keep container tightly closed in a dry, well-ventilated place. Protect material from direct sunlight. Take precautionary measures against static discharges.

8. EXPOSURE CONTROLS PERSONAL PROTECTION:**Control parameters****Occupational exposure limits**

: None of the components have assigned exposure limits.

Appropriate engineering controls

: No data available.

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

: Good general ventilation (typically 10 air changes per hour) should be used. Ventilation rates should be matched to conditions. If applicable, use process enclosures, local exhaust ventilation, or other engineering controls to maintain airborne levels below recommended exposure limits. If exposure limits have not been established, maintain airborne levels to an acceptable level. An eye wash and safety shower must be available in the immediate work area. Use explosion-proof ventilation equipment.

Eye/face protection

: Wear safety glasses with side shields (or goggles).

Hand protection

: Chemical resistant gloves.

Other

: Wear suitable protective clothing.

Respiratory protection

: In case of inadequate ventilation use suitable respirator. Air-purifying respirator with a high efficiency particulate filter.

Hygiene measures

: Always observe good personal hygiene measures, such as washing after handling the material and before eating, drinking, and/or smoking. Routinely wash work clothing and protective equipment to remove contaminants. Provide eyewash station and safety shower. Avoid contact with eyes, skin, and clothing.



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9. PHYSICAL AND CHEMICAL PROPERTIES:

Appearance	: White crystalline powder.
Odor	: Odorless
Solubility in water	: at 20°C soluble
Solubility	: No data available.
Formula	: $MgCl_2$
Molecular Weight	: 95.21 g/mol
Specific Gravity	: 1.57 (20 °C)
pH	: No data available.
% Volatiles by volume @ 21C (70F)	: No data available.
Boiling Point	: No data available.
Melting Point	: 118°C
Flash Point	: Not applicable.
Vapor Density (Air=1)	: No data available.
Vapor Pressure (mm Hg)	: No data available.
Evaporation Rate (BuAc=1)	: No data available.

10. STABILITY AND REACTIVITY:

Reactivity	: No dangerous reaction known under conditions of normal use.
Chemical stability	: Material is stable under ambient conditions..
Possibility of hazardous reactions	: Hazardous polymerization does not occur.
Conditions to avoid	: Heat, sparks, flames. Sunlight.
Incompatible materials	: Strong oxidizing agents. Acetaldehyde. Acids. Chlorine. Ethylene Oxide Hydrogen peroxide (H2O2) Sulfuric acid. Isocyanates. Aluminum.
Hazardous decomposition products	: Hydrogen Chloride, Chlorine.

11. TOXICOLOGICAL INFORMATION:**Information on likely routes of exposure**

Ingestion	: Irritating. May cause nausea, stomach pain and vomiting.
Inhalation	: Dust may irritate throat and respiratory system and cause coughing.
Skin contact	: Causes mild skin irritation.



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Eye contact : Causes serious eye irritation.

Information on toxicological effects**Acute toxicity (list all possible routes of exposure)**

Oral Product : LD 50 (Rat): 8,100 mg/kg

Dermal Product : No data available.

Inhalation Product : No data available.

Repeated dose toxicity Product : No data available.

Skin corrosion/irritation Product : Prolonged or repeated skin contact may cause drying, cracking, or irritation

Serious eye damage/eye irritation Product : Irritating to eyes.

Respiratory or skin sensitization Product : Not a skin sensitizer.

Carcinogenicity Product : This substance has no evidence of carcinogenic properties

IARC Monographs on the Evaluation of Carcinogenic Risks to Humans : No carcinogenic components identified.

US. National Toxicology Program (NTP) Report on Carcinogens : No carcinogenic components identified.

US. OSHA Specifically Regulated Substances (29 CFR 1910.1001-1050 : No carcinogenic components identified.

Germ cell mutagenicity

In vitro Product : No data available.

Reproductive toxicity Product : No components toxic to reproduction.

Specific target organ toxicity - single exposure Product : Not known.

Specific target organ toxicity - repeated exposure Product : None known.

Aspiration hazard Product : No data available

Other effects : None known.



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12. ECOLOGICAL INFORMATION:**Ecotoxicity****Acute hazards to the aquatic environment**

Fish Product : No data available

Aquatic invertebrates Product : No data available

Chronic hazards to the aquatic environment

Fish Product : No data available.

Aquatic invertebrates Product : No data available.

Toxicity to Aquatic Plants Product: : No data available.

Persistence and degradability

Biodegradation Product : The product is not readily biodegradable.

BOD/COD ratio Product : No data available.

Bioaccumulative potential

Bioconcentration factor (BCF) Product : No data available on bioaccumulation.

Partition coefficient n-octanol / water (log Kow) Product : No data available.

Mobility in soil : The product is partly soluble in water. May spread in the aquatic environment.

Other adverse effects : The product components are not classified as environmentally hazardous. However, this does not exclude the possibility that large or frequent spills can have a harmful or damaging effect on the environment.

13. DISPOSAL CONSIDERATION:

Disposal instructions : Discharge, treatment, or disposal may be subject to national, state, or local laws. Disposal recommendations are based on uncontaminated material.

Contaminated packaging : Since emptied containers retain product residue, follow label warnings even after container is emptied.

14. TRANSPORT INFORMATION:

	UN No.	UN proper shipping name	Hazard Class(es)	Packaging group	Marine Pollutant
DOT		Not dangerous goods			
IMDG		Not dangerous goods			
IATA		Not dangerous goods			

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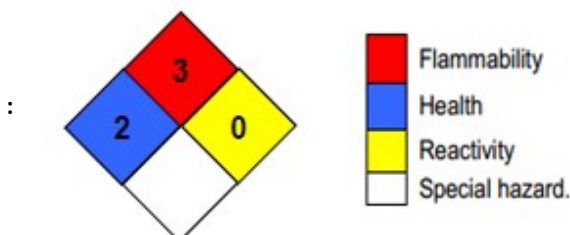
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15. REGULATORY INFORMATION:

This safety datasheet complies with the requirements of Regulation (EC) No. 1907/2006.
Safety, health and environmental regulations/legislation specific for the substance or mixture
No Data Available.

16. OTHER INFORMATION:

NFPA Hazard ID



Hazard rating: 0 - Minimal; 1 - Slight; 2 - Moderate; 3 - Serious; 4 - Severe

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