



MATERIAL SAFETY DATA SHEET

PRODUCT NAME: MAGNESIUM CHLORIDE ANHYDROUS

CAS Number: 7786-30-3

1. IDENTIFICATION:

Product Code : 90313
Company Name : ADVENT CHEMBIO PRIVATE LIMITED
Address : W-279, MIDC, TTC INDUSTRIAL AREA, THANE-BELAPUR ROAD, RABALE, NAVI MUMBAI - 400 701.
E-mail : sales@adventchembio.com
WEBSITE : www.adventchembio.com
Company Phone Number : 022-27690837

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 INGRADIENTS:

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.
Skin contact : Get medical attention if symptoms persist.
Eye 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.



MATERIAL SAFETY DATA SHEET

PRODUCT NAME: MAGNESIUM CHLORIDE ANHYDROUS

CAS Number: 7786-30-3

Most important symptoms/effects, acute and delayed : May cause irritation to skin, eyes, and respiratory tract.
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 media

Suitable 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 firefighters

Special 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.

MATERIAL SAFETY DATA SHEET

Version :01

PRODUCT NAME: MAGNESIUM CHLORIDE ANHYDROUS

CAS Number: 7786-30-3

7. HANDLING AND STORAGE:

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.

MATERIAL SAFETY DATA SHEET

Version :01

PRODUCT NAME: MAGNESIUM CHLORIDE ANHYDROUS

CAS Number: 7786-30-3

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 (H ₂ O ₂) 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.

MATERIAL SAFETY DATA SHEET

Version :01

PRODUCT NAME: MAGNESIUM CHLORIDE ANHYDROUS

CAS Number: 7786-30-3

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 Germ cell mutagenicity** : No carcinogenic components identified.**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.

MATERIAL SAFETY DATA SHEET

PRODUCT NAME: MAGNESIUM CHLORIDE ANHYDROUS

CAS Number: 7786-30-3

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			

MATERIAL SAFETY DATA SHEET

Version :01

PRODUCT NAME: MAGNESIUM CHLORIDE ANHYDROUS

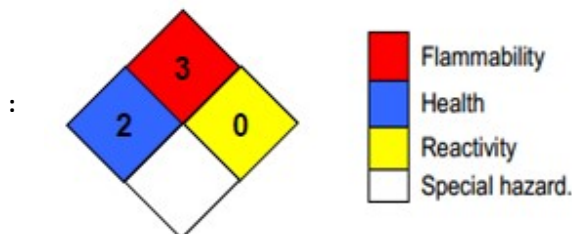
CAS Number: 7786-30-3

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

Issue Date : 13/03/2024

Version : 01

Disclaimer: This Material Safety Data Sheet (MSDS) is for guidance and is based upon information and tests believed to be reliable. ADVENT CHEMBIO PRIVATE LIMITED makes no guarantee of the accuracy or completeness of the data and shall not be liable for any damages relating thereto. The data is offered solely for your consideration, investigation, and verification. The data should not be confused with local, state, federal or insurance mandates, regulations, or requirements and CONSTITUTE NO WARRANTY. Any use of this data and information must be determined by the technical instructor in accordance with applicable local, state or federal laws and regulations. The conditions or methods of handling, storage, use and disposal of the product(s) described are beyond the control of ADVENT CHEMBIO PRIVATE LIMITED and may be beyond our knowledge. FOR THIS AND OTHER REASONS, WE DO NOT ASSUME RESPONSIBILITY AND EXPRESSLY DISCLAIM LIABILITY FOR LOSS, DAMAGE OR EXPENSE ARISING OUT OF OR IN ANY WAY CONNECTED WITH THE HANDLING, STORAGE, USE OR DISPOSAL OF THIS PRODUCT(S).