

SAFETY DATA SHEET

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SECTION 1. IDENTIFICATION

Product Identifier: >98% Magnesium Hexafluoroacetylacetonate Dihydrate

Product Code: MG-FACA-018-C.2HYD

CAS Number: 19648-85-2

Relevant identified uses of the substance: Scientific research and development

Supplier details:

American Elements
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SECTION 2. HAZARDS IDENTIFICATION

Classification of the substance or mixture This product does not meet the criteria for classification in any hazard class according to Regulation (EC) No 1272/2008 Label elements Pictograms or hazard symbols None Signal word No signal word Hazard statements None Precautionary statements None Other hazards Results of PBT and vPvB assessment PBT: Not applicable vPvB: Not applicable

SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

Substances Components: Bis(hexafluoroacetylacetonato)magnesium(II) Hydrate CAS RN: 19648-85-2
Synonyms: Hexafluoroacetylacetonato Magnesium(II) Salt Hydrate , Magnesium(II)
Hexafluoroacetylacetonate Hydrate Chemical Formula: $C_{10}H_2F_{12}MgO_4 \cdot xH_2O$

SECTION 4. FIRST AID MEASURES

Description of first aid measures Inhalation: Remove victim to fresh air and keep at rest in a position comfortable for breathing. Get medical advice/attention if you feel unwell. Skin contact: Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower. If skin irritation or rash occurs: Get medical advice/attention. Eye contact: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention. Ingestion: Get medical advice/attention if you feel unwell. Rinse mouth. Protection of first-aiders: A rescuer should wear personal protective equipment, such as rubber gloves and air-tight

goggles. Most important symptoms and effects, both acute and delayed No data available Indication of any immediate medical attention and special treatment needed No data available

SECTION 5. FIREFIGHTING MEASURES

Extinguishing media Suitable extinguishing media: Dry chemical, foam, water spray, carbon dioxide. Special hazards arising from the substance or mixture Take care as it may decompose upon combustion or in high temperatures to generate poisonous fume. Carbon dioxide, Carbon monoxide, Hydrogen fluoride Advice for firefighters Fire-extinguishing work is done from the windward and the suitable fire-extinguishing method according to the surrounding situation is used. Uninvolved persons should evacuate to a safe place. In case of fire in the surroundings: Remove movable containers if safe to do so. When extinguishing fire, be sure to wear personal protective equipment

SECTION 6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures Use personal protective equipment. Keep people away from and upwind of spill/leak. Entry to non-involved personnel should be controlled around the leakage area by roping off, etc Environmental precautions Prevent product from entering drains Methods and materials for containment and cleaning up Sweep dust to collect it into an airtight container, taking care not to disperse it. Adhered or collected material should be promptly disposed of, in accordance with appropriate laws and regulations.

SECTION 7. HANDLING AND STORAGE

7.1 Precautions for safe handling Handling is performed in a well ventilated place. Wear suitable protective equipment. Prevent dispersion of dust. Wash hands and face thoroughly after handling. Use a local exhaust if dust or aerosol will be generated. Avoid contact with skin, eyes and clothing. Conditions for safe storage, including any incompatibilities Keep container tightly closed. Store in a cool and dark place. Store away from incompatible materials such as oxidizing agents. Specific end use(s) No further relevant information available.

SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Control parameters No data available Exposure controls Install a closed system or local exhaust as possible so that workers should not be exposed directly. Also install safety shower and eye bath. Respiratory protection: Dust respirator. Follow local and national regulations. Hand protection: Protective gloves. Eye protection: Safety glasses. A face-shield, if the situation requires. Skin and body protection: Protective clothing. Protective boots, if the situation requires

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

Physical state (20°C): Solid Form: Crystal - Powder Colour: White - Slightly pale yellow red Odour: No data available pH: No data available Melting point/freezing point: No data available Boiling point/range: No data available Flash point: No data available (Calculated value:>60°C) Flammability or explosive limits: Lower: No data available Upper: No data available Relative density: No data available Solubility(ies): [Water] No data available [Other solvents] No data available Partition coefficient: n-octanol/water: No data available Autoignition temperature: No data available Decomposition temperature: No data available Dynamic Viscosity: No data available Kinematic viscosity: No data available Other safety information No data available

SECTION 10. STABILITY AND REACTIVITY

Reactivity No data available Chemical stability Stable under proper conditions. Possibility of hazardous reactions No special reactivity has been reported. Conditions to avoid No data available Incompatible materials Oxidizing agents Hazardous decomposition products Carbon dioxide, Carbon monoxide, Hydrogen fluoride

SECTION 11. TOXICOLOGICAL INFORMATION

Information on toxicological effects Acute Toxicity: Skin corrosion/irritation: Serious eye damage/irritation: Germ cell mutagenicity: Carcinogenicity: Reproductive toxicity:

SECTION 12. ECOLOGICAL INFORMATION

Toxicity Fish: No data available Crustacea: No data available Algae: No data available Persistence and degradability No data available Bioaccumulative potential No data available Mobility in soil Log Pow: No data available Soil adsorption (Koc): No data available Henry's Law (PaM 3/mol): No data available Results of PBT and vPvB assessment PBT: Not applicable vPvB: Not applicable Other adverse effects No data available

SECTION 13. DISPOSAL CONSIDERATIONS

Waste treatment methods Recycle to process, if possible. Consult your local regional authorities. You may be able to dissolve or mix material with a combustible solvent and burn in a chemical incinerator equipped with an afterburner and scrubber system. Observe all federal, state and local regulations when disposing of the substance.

SECTION 14. TRANSPORT INFORMATION

UN number Not listed UN proper shipping name ADR/RID Not listed IMDG/IMO Not listed ICAO/IATA Not listed Transport hazard class(es) ADR/RID Does not correspond to the classification standard of the United Nations IMDG/IMO Does not correspond to the classification standard of the United Nations ICAO/IATA Does not correspond to the classification standard of the United Nations Packaging group ADR/RID - IMDG/IMO - ICAO/IATA - Environmental hazards Marine pollutant - Special precautions for user No data available

SECTION 15. REGULATORY INFORMATION

Safety, health and environmental regulations/legislation specific for the substance or mixture Substance of Very High Concern (SVHC) according to the REACH Regulations (EC) No.1907/2006 Not listed Chemical safety assessment A chemical safety assessment has not been carried out.

16. OTHER INFORMATION

Safety Data Sheet according to Regulation (EC) No. 1907/2006 (REACH). The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. The information in this document is based on the present state of our knowledge and is applicable to the product with regard to appropriate safety precautions. It does not represent any guarantee of the properties of the product. American Elements shall not be held liable for any damage resulting from handling or from contact with the above product. See reverse side of invoice or packing slip for

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