Pfaltz & Bauer
RARE AND FINE CHEMICALS
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SAFETY DATA SHEET

SECTION 1: CHEMICAL PRODUCT and COMPANY IDENTIFICATION

Product Name:	Vinyl Magnesium Chloride 1.6 M solution in THF
Product Code:	V02170
Supplier:	Pfaltz & Bauer, Inc. 172 E. Aurora Street Waterbury, CT 06708 USA
Phone:	203 574-0075
Fax:	203 574-3181
Emergency Phone:	CHEMTREC, US: 1-800-424-9300
	CHEMTREC, International: 1-703-527-3887

SECTION 2: HAZARDS IDENTIFICATION

Statements of Hazard:	Water-Reactive, Flammable, Corrosive.
Acute Health Hazard:	Irritant to eyes, skin, mucous membranes and respiratory system. May be harmful by skin absorption, inhalation, or ingestion.
Chronic Health Hazard:	Not Available.
HMIS Rating:	H:3 F:3 P:2
NFPA Rating:	H:3 F:3 R:2

To the best of our knowledge, the toxicological properties of this chemical have not been thoroughly investigated. Use appropriate procedures and precautions to prevent or minimize exposure.

Pictogram:

Signal Word: Danger

Hazard Statement(s):

H225 Highly flammable liquid and vapor.
H260 In contact with water releases flammable gases which may ignite spontaneously.
H302 Harmful if swallowed.
H312 Harmful in contact with skin.
H314 Causes severe skin burns and eye damage.
H318 Causes serious eye damage.
H332 Harmful if inhaled.
H335 May cause respiratory irritation.

Precautionary Statement(s):	**P210** Keep away from heat/sparks/open flames/hot surfaces. — No smoking. **P223** Keep away from any possible contact with water, because of violent reaction and possible flash fire. **P231+P232** Handle under inert gas. Protect from moisture. **P240** Ground/bond container and receiving equipment. **P250** Do not subject to grinding/shock/friction. **P260** Do not breathe dust/ fume/ gas/ mist/ vapors/ spray. **P280** Wear protective gloves/protective clothing/eye protection/face protection. **P301+P330+P331** IF SWALLOWED: Rinse mouth. Do NOT induce vomiting. **P302+P352** IF ON SKIN: wash with plenty of soap and water. **P304+P340** IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing. **P305+P351+P338** IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. **P332+P313** If skin irritation occurs: Get medical advice/ attention.
Supplemental Statement(s):	**EUH014** Reacts violently with water. **EUH019** May form explosive peroxides.

SECTION 3: COMPOSITION/INFORMATION on INGREDIENTS

Chemical Name:	Vinyl Magnesium Chloride
Synonyms:	Not Available
CAS Number:	3536-96-7
MDL Number:	MFCD00013594
EINECS Number:	Not Available
Belstein Registry Number:	3535268
Molecular Formula:	C_2H_3MgCl
Molecular Weight:	86.80
Content:	95 - 100%
Notes:	1.6 M solution in THF

SECTION 4: FIRST AID MEASURES

Eye Contact:	Flush eyes with large amounts of water for fifteen minutes. Separate eyelids with fingers. If irritation persists, seek medical attention.

Skin Contact:	Brush away dust or loose material and gently wash skin with soap and water. If irritation persists, seek medical attention.
Ingestion:	Do not induce vomiting. Seek medical attention.
Inhalation:	Move to a fresh air environment. Contact a physician if breathing becomes difficult.

SECTION 5: FIRE FIGHTING MEASURES

Flash Point:	-17 ºC
Explosion Limits:	Lower: Not Available Upper: Not Available
Auto Ignition Temperature:	Not Available
Extinguishing Media:	Carbon dioxide, dry chemical powder, or alcohol-resistant foam. DO NOT USE water spray.
Protective Equipment:	Wear self-contained respirator and fully protective impervious suit.
Specific Hazards:	May emit hazardous fumes under fire conditions, releases flammable gases when in contact with water.

SECTION 6: ACCIDENTAL RELEASE MEASURES

Personal Protection:	Wear a self-contained breathing apparatus, rubber boots and gloves, and disposable coveralls. Dispose of coveralls after use. Keep unprotected persons away.
Environmental Protection:	Keep spills out of sewers and bodies of water. Dike and contain the spill with inert material. Absorb on sand, vermiculite or diatomite. Transfer material to a container for disposal or recovery. Ventilate area and wash spill site after material pickup is complete.

SECTION 7: HANDLING and STORAGE

Handling:	Avoid breathing dust, vapor, mist or gas. Avoid contact with skin and eyes. Avoid prolonged or repeated exposure. Use only in a chemical fume hood. Open and handle container with care. Keep ignition sources away. Handle under inert gas. Do not subject to friction or shock, may form explosive peroxides.
Storage:	Store in a tightly closed container in a dry, well-ventilated place. Store away from water. Store under inert gas.

Sensitivities: Moisture, air, shock.

Storage Temperature: 15 – 30 ºC

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

Eyes: Wear appropriate protective eyeglass or chemical safety goggles. Make sure that there is an eyewash facility in your vicinity.

Skin: Wear impervious gloves and protective clothing.

Respiratory: Use a NIOSH approved respirator when exposure limits are exceeded or if irritation or other symptoms are experienced.

Exposure Limits:

Country	Source	Type	Value
USA	ACGIH	TWA	Not Available
USA	OSHA	STEL	Not Available
USA	OSHA	PEL	Not Available

SECTION 9: PHYSICAL and CHEMICAL PROPERTIES

Appearance: Dark brown liquid solution

Odor: Not Available

Melting Point: Not Available

Boiling Point: Not Available

pH Value: Not Available

Density: 0.978 g/cm^3

Refractive Index, n^{20}_D: Not Available

Viscosity: Not Available

Solubility in Water: Not Available

Vapor Pressure: Not Available

Vapor Density(Air=1): Not Available

SECTION 10: STABILITY and REACTIVITY

Stability: Stable under normal temperatures and pressures.

Incompatibility: Oxygen, Alcohols, Strong oxidizing agents, Acids, Acid chlorides, Acid anhydrides, Water.

Conditions to Avoid: Heat, Flame, Sparks, Other ignition sources

Hazardous Decomposition Products: Magnesium oxides, Carbon oxides, Hydrogen chloride, Releases propene gas, and possibly hydrogen chloride, when in contact with water.

SECTION 11: TOXICOLOGICAL INFORMATION

RTECS Reference:	Not Available
Target Organs:	Not Available
Toxicity Data:	Not Available
Skin corrosion/irritation:	Not Available
Serious eye damage/irritation:	Not Available
Carcinogenicity:	Not Available

SECTION 12: ECOLOGICAL INFORMATION

Toxicity:	Not Available
Persistence and degradability:	Not Available
Bioaccumulative potential:	Not Available
Mobility in soil:	Not Available
PBT and vPvB assessment:	Not Available
Other adverse effects:	Not Available

SECTION 13: DISPOSAL CONSIDERATIONS

Contact a licensed professional waste disposal service. Dispose in a manner consistent with federal, state and local environmental regulations.

SECTION 14: TRANSPORT INFORMATION

DOT Shipping Name: Organometallic Substance, Liquid, Water-Reactive, Flammable

DOT UN Number: UN3399

DOT Hazard Class: Class 4.3, 3

DOT Packing Group: I

IMDG Shipping Name: Organometallic Substance, Liquid, Water-Reactive, Flammable

IMDG UN Number: UN3399

IMDG Hazard Class: Class 4.3, 3

IMDG Packing Group: I

IATA Shipping Name: Organometallic Substance, Liquid, Water-Reactive, Flammable

IATA UN Number: UN3399

IATA Hazard Class: Class 4.3, 3

IATA Packing Group: I

SECTION 15: REGULATORY INFORMATION

United States:
Toxic Substance Control Act (TSCA): Listed
Superfund Amendments and Reauthorization Act (SARA 302): Not listed
Superfund Amendments and Reauthorization Act (SARA 311/312): Listed
Superfund Amendments and Reauthorization Act (SARA 313): Not listed

European Union:
European Inventory of Existing Chemical Substances (EINECS): Not Available
Hazard Codes: F,Xi
Risk Statements: 11-15-19-36/37
Safety Statements: 26-43

Canada
Canadian Domestic Substances List (DSL): Not listed
Canadian Domestic Substances List (NDSL): Listed

SECTION 16: OTHER INFORMATION

Date Prepared: 06/28/2013 MH

The information above is presented in good faith. It is believed to be accurate and represents the best information currently available to us. However we make no warranty with respect to such information and we assume no liability resulting from its use. The user should consider this information as a supplement to other information that may be available and make independent judgment to ensure proper use to protect the health and safety of employees and the environment. Pfaltz and Bauer shall not be held liable for any damage resulting from handling or from contact with the above product.