



# SAFETY DATA SHEET

This SDS complies with REACH 1907/2006 and 2001/58/EC, GHS REVISION 5, OSHA 29CFR 1910.1200

## Section 1: Chemical Product and Company Identification

### MANUFACTURER'S NAME

HydroGro  
7881 East Gray Road  
Scottsdale, AZ 85260 USA

### EMERGENCY TELEPHONE

Chemtrec U.S.-Canada: 800-424-9300  
Chemtrec International: 703-527-3887  
Information: (480) 248-9336  
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Sales@hydrogro.com

Safety Data Sheet Competent Person: Customer Service

DATE PREPARED: December 5, 2016

**REVISION DATE: December 5, 2016**

### PRODUCT NAME:

**HydroFuze Mg**

### FORMULA:

Preparation/Mixture

### PRODUCT USE:

Supplement for professionally maintained golf courses, sport turf, lawn and landscaping

## Section 2: Hazards Identification

### GHS Hazard Class

Physical Hazards:

None

Health Hazards:

Skin Corrosion/Irritation

Category 2

Eye Irritant

Category 2

Specific target organ toxicity, single exposure Category 3 respiratory tract irritation

Label elements:



Signal word:

Warning

Hazard Statement:

H315: Causes skin irritation

H319: Causes serious eye irritation

H335: May cause respiratory irritation

Precautionary Statements:

Prevention

P261: Avoid breathing dust/fume/gas/mist/vapors/spray

Response

P280: Wear protective gloves/protective clothing/ eye protection/ face protection

P305 + P351 + P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present an easy to do. Continue rinsing

P304 +P340: IF INHALED: Remove person to fresh air and keep comfortable for breathing

Storage

P405: Store locked up

Disposal

P501: Dispose of contents/container in accordance with the waste disposal requirements of your country, state, or local authorities.

Hazards not otherwise classified (HNOC) or not covered by GHS - None

HAZARD CLASSIFICATION:

DOT: Not dangerous goods, IMDG & IATA: Not applicable

FIRE AND EXPLOSION:

Considered flammable or combustible. Product emits toxic fumes when burned.

POTENTIAL HEALTH EFFECTS:

<1 % of mixture consists of ingredients of unknown acute toxicity

APPEARANCE:

Thick white suspension

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Component	Health (Blue)	Flammability (Red)	Reactivity (Yellow)	Special (White)
HydroFuze Mg	1	0	1	----



### Section 3: Composition, Information on Ingredients

PRODUCT COMPOSITION	APPROX %	CAS NO.	EC NUMBER	CANADA DSL
Magnesium Hydroxide	<50	1309-42-8	215-170-3	Y
Water	< 40	7732-18-5	231-791-2	Y

Some items on this SDS may be designated as trade secrets (TS). Bonafide requests for disclosure of trade secret information to medical personnel must be made in accordance with the provisions contained in 29 CFR 1910.1200 I 1-13.

### Section 4: First Aid Measures

#### Description of First Aid Measures

Inhalation Remove to fresh air. If not breathing, provide CPR (cardio pulmonary resuscitation). Call a poison center or doctor/physician if you feel unwell.

Skin Contact immediately wash with water and soap and rinse thoroughly. Seek immediate medical advice

Eye Contact Rinse opened eye for several minutes under running water. Then consult a doctor

Ingestion Seek medical treatment.

#### Most important symptoms and effects, both acute and delayed

Symptoms/Injuries after Inhalation May cause respiratory tract irritation.

Symptoms/Injuries after Skin Contact Causes skin irritation

Symptoms/Injuries after Eye Contact Causes serious eye irritation

Symptoms/Injuries after Ingestion Harmful if swallowed.

#### Indication of any immediate medical attention and special treatment needed

No further relevant information available

#### General Information

Take off all contaminated clothing immediately. If you feel unwell, seek medical advice (show the label where possible). Ensure that medical personnel are aware of the material(s) involved and take precautions to protect themselves. Show this safety data sheet to the doctor in attendance. Wash contaminated clothing before reuse.

### Section 5: Fire-fighting Measures

Suitable extinguishing media Product is not flammable. Use firefighting measures that suit the surrounding fire.

Unsuitable extinguishing media None

Special hazards arising from the substance or mixture If this product is involved in a fire, the following can be released: magnesium oxide

Protective actions fire-fighters Self-contained breathing apparatus and full protective clothing must be worn in case of fire

Firefighting equipment/instructions In case of fire and/or explosion do not breath fumes. Move containers from fire area if you can do so without risk.

Specific Methods Use standard firefighting procedures and consider the hazards of the other involved materials.

General fire hazards Nonflammable

### Section 6: Accidental Release Measures

Personal precautions, protective equipment and emergency procedures Wear protective equipment. Keep unprotected persons away. Ensure adequate ventilation



**Methods and materials for containment and cleaning up**

Ensure adequate ventilation

**Environmental precautions**

Do not allow product to reach sewage system or any water course

## Section 7: Handling and Storage

**Precautions for safe handling**

Keep container tightly sealed. Store in cool, dry place in tightly closed containers. Ensure good ventilation at the workplace.

**Conditions for safe storage, including any incompatibilities**

Do not store together with acids. Store away from oxidizing agents

**Specific uses**

This product is intended to be used for foliar applications.

## Section 8: Exposure Controls/Personal Protection

**Occupational exposure limits**

PRODUCT	COMPOSITION	ACCGIH TLV	OSHA PEL	NIOSH REL
	None			

**Biological limit values**

No biological exposure limits noted for the ingredients.

**Appropriate engineering controls**

Properly operating chemical fume hood designed for hazardous chemicals and having an average face velocity of at least 100 feet per minute

**Individual protection members, such as personal protective equipment**

**Eye/face protection**

Wear safety glasses with side shields (or goggles) and a face shield.

**Skin protection**

**Hand protection**

Wear appropriate chemical resistant gloves. Suitable gloves can be recommended by the glove supplier

**Other**

Wear perfect chemical resistant clothing

**Respiratory protection**

If engineering controls do not maintain airborne concentrations below recommended exposure limits (where applicable) or to an acceptable level (in countries where exposure limits have not been established), an approved respirator must be worn.

**Thermal hazards**

Wear appropriate thermal protective clothing, when necessary.

**General hygiene considerations:**

The usual precautionary measures for handling chemicals should be followed. Keep away from foodstuffs, beverages and feed. Remove all soiled and contaminated clothing immediately. Wash hands before breaks and at the end of work. Avoid contact with the eyes and skin. Maintain an ergonomically appropriate working environment.

## Section 9: Physical and Chemical Properties

	PRODUCT CRITERIA
APPEARANCE - COLOR:	White
PHYSICAL STATE:	Liquid
ODOR:	Slight Odor
ODOR THRESHOLD	No data available
PH	No data available
MELTING POINT/FREEZING POINT:	No data available
INITIAL BOILING POINT AND BOILING RANGE:	> 100°C
FLASH POINT:	No data available
EVAPORATION RATE:	No data available



FLAMMABILITY (Solid, gas)	Not flammable
UPPER/LOWER FLAMMABILITY OR EXPLOSIVE LIMITS	Not Measured
VAPOR PRESSURE	No data available
VAPOR DENSITY (AIR = 1)	No data available
RELATIVE DENSITY (@25°C):	1.4
SOLUBILITY(IES)	Soluble in water
OXIDIZING PROPERTIES	No data available
PARTITION COEFFICIENT: n-octanol/water	No data available
AUTO IGNITION TEMPERATURE	No data available
DECOMPOSITION TEMPERATURE	No data available
VISCOSITY	No data available

## Section 10: Stability and Reactivity

<b>Reactivity:</b>	No information known
<b>Chemical Stability:</b>	Stable under recommended conditions.
<b>Possibility of Hazardous Reactions:</b>	Reacts with strong oxidizing agents
<b>Conditions to Avoid:</b>	No further relevant information available.
<b>Incompatibility (Materials to avoid):</b>	Acids or oxidizing agents
<b>Hazardous decomposition products:</b>	Magnesium oxide.

## Section 11: Toxicological Information

Information on likely routes of exposure:

Inhalation	May cause irritation to the respiratory system. Prolonged inhalation may be harmful
Skin Contact	Causes skin irritation
Eye Contact	Causes serious eye irritation
Ingestion	Do not swallow
Symptoms related to the physical, chemical and toxicological characteristics	May cause respiratory irritation.

Information on toxicological effects

Acute toxicity	The registry of Toxic Effects of Chemical Substances (RTECS) contains acute toxicity data for this substance
LD/LC50 values that are relevant for classification:	Oral LD50 8500mg/kg (rat)
Skin corrosion/irritation	Causes skin irritation
Serious eye damage/eye irritation	Causes serious eye irritation
Respiratory or skin sensitization	
Respiratory sensitization	Not a respiratory sensitizer.
Skin sensitization	This product is not expected to cause skin sensitization
Germ cell mutagenicity	No effects known
Carcinogenicity	No classification data on carcinogenic properties of this material is available from the EPA, IARC, ACGIH, NTP, or OSHA



OSHA specifically regulated substances (29 CSR 1910.1001 – 1050)

Not listed

US national toxicology program (NTP) report on carcinogens

Not available

Reproductive toxicity

No effects known

Specific organ toxicity- single exposure

May cause respiratory irritation

Specific target organ toxicity repeated exposure

Not classified

Aspiration hazard

No effects known

## Section 12: Ecological Information Persistence and degradability: No information is available

Toxicity

Aquatic Toxicity

No further relevant information available

Persistence and degradability

No further relevant information available

Bioaccumulative potential:

No further relevant information available

Mobility in soil:

No information is available.

PBT and vPvB assessment:

PBT/vPvB assessment not available as chemical assessment not required/not conducted

Other adverse effects:

No information is available.

## Section 13: Disposal Considerations

**Waste from residues/unused products:**

Follow the waste disposal requirements of your country, state, or local authorities

**Contaminated packaging:**

Contaminated packaging material should be disposed of as stated above for residues and unused product.

**Rinsate:**

Do not dispose of rinse water containing product in a sanitary sewer system or storm water drainage system.

## Section 14: Transport Information

DOT

UN Number

Not applicable

UN proper shipping name

...

Transportation hazard class

Class

N/A

Subsidiary risk

N/A

Packing group

N/A

Special precautions for user

Read safety instructions, SDS and emergency procedures before handling

ERG number

N/A

DOR information on packaging may be different from that listed

DOT



## Section 15: Regulatory Information

US Federal Regulations

TOXIC SUBSTANCE CONTROL ACT (TSCA) STATUS:

This product is in compliance with rules, regulations, and orders of TSCA. All components are either listed on the TSCA inventory or are considered exempt.

SUPERFUND AMENDMENTS AND REAUTHORIZATION ACT OF 1986 (SARA) TITLE III SECTION 313 SUPPLIER NOTIFICATION:

This regulation requires submission of annual reports of toxic chemical(s) that appear in section 313 of the Emergency Planning and Community Right To Know Act of 1986 and 40 CFR 372. This information must be included in all SDS's that are copied and distributed for the material.

The Section 313 toxic chemicals contained in this product are: No listed

Hazards categories:            Immediate Hazard – No  
   Delayed Hazard – No  
   Fire Hazard – No  
   Pressure Hazard – No  
   Reactivity Hazard – No

SARA 302 Extremely hazardous substance  
Not listed

SARA 311/312 Hazardous chemical  
Not listed

SARA 313 (TRI Reporting)  
Not regulated

CALIFORNIA PROPOSITION 65:

This regulation requires a warning for California Proposition 65 chemical(s) under the statute.

The California proposition 65 chemical(s) contained in this product are: None

STATE RIGHT-TO-KNOW TOXIC SUBSTANCE OR HAZARDOUS SUBSTANCE LIST:

Massachusetts's hazardous substance(s):

Pennsylvania

New Jersey

CANADA:

WHMIS-2015: This SDS is in compliance with WHMIS 2015 (HPR / new HPA).

EUROPEAN UNION:

This product has been reviewed for compliance with the following European Community Directives: REACH 1907/2006; Regulation (EC) No 1272/2008 on classification, labeling, and packaging (CLP) of substances and mixtures.

## Section 16: Other Information

Initial issue date:            December 5, 2016  
Final revision date:         December 5, 2016  
Revision Number:             0  
Revision explanation         Initial version  
Information Sources:         RTECS, ECHA, REACH, OSHA 29CFR 1910.1200

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