

Date of preparation: 01/06/06

**SECTION I**

Manufacturer : **W. R. MEADOWS, INC.**  
 Address : 300 Industrial Drive  
 : Hampshire, IL 60140  
 Telephone # : (847) 683-4500  
 Emergency # : 1-800-424-9300 Chemtrec

**- H M I S -**

<b> Health</b>	<b>: 2  </b>
<b> Flammability</b>	<b>: 0  </b>
<b> Reactivity</b>	<b>: 0  </b>
<b> Personal Protection</b>	<b>:  </b>

(Hazard Rating: 0=Least,1=Slight,2=Moderate,3=High,4=Extreme,\*=Chronic)

Product Class : DIVISION 3  
 Mfg. code I.D. : 3054000-6  
 Trade Name : **HYDRASET FREE CONCRETE SET ACCELERATOR**

**SECTION II-A HAZARDOUS COMPONENTS**

No.	Component	CAS#	% by Weight	SARA 313	VAPOR PRESSURE (mm Hg @ 20 C)	LEL (@ 25 C)
1.	Calcium Nitrate	13477-34-4	40-45	NO	N/A	N/A

None of the components of this product are recognized as carcinogenic.

N/A = Not Applicable

Under the reporting requirements of Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA) and 40 CFR Part 372, chemicals listed on the 313 List (40 CFR Part 373.65) are identified under the heading "SARA 313".

**SECTION II-B OCCUPATIONAL EXPOSURE LIMITS**

No.	OSHA				ACGIH			
	PEL/TWA	PEL/CEILING	PEL/STEL	SKIN	TLV/TWA	TLV/CEILING	TLV/STEL	SKIN
1.	N/E	N/E	N/E	N/E	N/E	N/E	N/E	N/E

N/E: Not Established

**SECTION III PHYSICAL DATA**

<b>Boiling Point</b>	: Not established	<b>% Volatile by volume</b>	: 54.27 (Theoretical)
<b>Evaporation Rate</b>	: < 1 (ether = 1)	<b>% Volatile by weight</b>	: 40.00 (Theoretical)
<b>Vapor Density</b>	: > 1 (air = 1)	<b>Weight per gallon</b>	: 10.20 (Theoretical)
<b>pH Level</b>	: 8.0	<b>Product appearance/odor</b>	: Amber liquid, no odor

**SECTION IV HEALTH INFORMATION**

**EYE CONTACT:** Based on the presence of component 1 this product is presumed to be moderately irritating to the eyes. Exposure may cause corneal injury.

**SKIN CONTACT:** Based on the presence of component 1 this product is presumed to be moderately irritating to the skin. Prolonged contact may cause damage to the skin.

**INHALATION:** Exposure may produce irritation to the nose, throat, respiratory tract and other mucous membranes.

**INGESTION:** Based on the presence of component 1, ingestion of this product may lead to intestinal upset. Ingestion of large amounts may result in dizziness, abdominal cramps, vomiting, bloody diarrhea, weakness, convulsions or death.

**SIGNS AND SYMPTOMS:** Symptoms of eye irritation include pain, tearing, reddening, and swelling. Symptoms of skin irritation include reddening, swelling, rash, and redness. Symptoms of respiratory irritation include runny nose, sore throat, coughing, chest discomfort, shortness of breath, and reduced lung function. Symptoms of gastrointestinal irritation include sore throat, abdominal pain, nausea, vomiting, and diarrhea.

**AGGRAVATED MEDICAL CONDITIONS:** Pre-existing skin, eye, and respiratory disorders may be aggravated by exposure to this product.

**OTHER HEALTH EFFECTS:** None recognized.

**SECTION V EMERGENCY AND FIRST AID PROCEDURES**

**EYE CONTACT:** If irritation or redness develops, move victim away from exposure source and into fresh air. Flush eyes with water for fifteen (15) minutes. If symptoms persist, seek medical attention.

**SKIN CONTACT:** Remove contaminated shoes and clothing. Cleanse affected area(s) thoroughly by washing with mild soap and water. If irritation or redness develops and persists, seek medical attention.

**INHALATION:** If respiratory symptoms develop, move victim away from exposure source and into fresh air. If symptoms persist, seek medical attention. If victim is not breathing, immediately begin artificial respiration. If breathing difficulties develop, oxygen should be administered by qualified personnel. Seek immediate medical attention.

**INGESTION:** Dilute with two (2) glasses of water unless the victim is unconscious or very drowsy. Induce vomiting by giving two (2) tablespoons of Ipecac or by touching a finger to the back of the victim's throat. Keep the victim's head below the hips to prevent aspiration into the lungs. Consult a physician, hospital, or poison control center and/or transport to an emergency facility immediately.

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**SECTION VI FIRE AND EXPLOSION HAZARDS**

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**FLAMMABILITY CLASSIFICATION**

- NFPA: Not applicable
- DOT: Oxidizing Substance, Liquid, N.O.S. (Calcium Nitrate) 5.1, UN3139, II

**FLASH POINT:** Greater than 210 degrees F**EXTINGUISHING MEDIA:** Use water fog, foam, dry chemical, or Carbon Dioxide..**SPECIAL FIRE FIGHTING PROCEDURES AND PRECAUTIONS:** None recognized.**UNUSUAL FIRE AND EXPLOSION HAZARDS:** When heated to decomposition, this product will emit toxic fumes containing Nitrogen Oxide compounds.

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**SECTION VII REACTIVITY**

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**STABILITY:** Stable**HAZARDOUS POLYMERIZATION:** Will not occur**CONDITIONS AND MATERIALS TO AVOID:** Avoid strong acids. This product is an oxidizer - avoid combustible materials and reducing agents.**HAZARDOUS DECOMPOSITION PRODUCTS:** Combustion may yield Carbon Dioxide, Carbon Monoxide, and/or incomplete combustion compounds. Do not breathe smoke or fumes. Wear appropriate protective equipment.

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**SECTION VIII EMPLOYEE PROTECTION**

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**RESPIRATORY PROTECTION:** Use with adequate ventilation. Respiratory protection is not required with routine use.**PROTECTIVE CLOTHING:** Wear safety glasses, goggles, or a splash shield to prevent eye contact. Contact lenses should not be worn. Wear appropriate gloves and protective clothing to prevent contact with skin and clothing.**ADDITIONAL PROTECTIVE MEASURES:** Eye wash fountains and safety showers should be available for use in an emergency.

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**SECTION IX ENVIRONMENTAL PROTECTION**

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**SPILL OR LEAK PROCEDURES:** LARGE SPILLS>> Evacuate the hazard area of unprotected personnel. Wear appropriate respirator and protective clothing. Shut off source of leak only if safe to do so. Dike and contain. Contain run-off. Remove with vacuum trucks or pump to storage/salvage vessels. Soak up residue with an absorbent such as clay, sand or other suitable material; place in non-leaking containers for proper disposal. Flush area with water to remove trace residue; dispose of flush solutions as above. SMALL SPILLS>> Take up with an absorbent material and place in non-leaking containers; seal tightly for proper disposal.**WASTE DISPOSAL:** Observe all Federal, State and local regulations regarding proper disposal.

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**SECTION X ADDITIONAL PRECAUTIONS**

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Containers can contain hazardous product residues even when empty. Wash with soap and water before eating, drinking, smoking or using toilet facilities.

The information contained herein is based on the data available to us and is believed to be correct. However, we make no warranty, expressed or implied regarding the accuracy of this data or the results to be obtained from the use thereof. We assume no responsibility for injury from the use of the product described herein.