




SAFETY DATA SHEET

SECTION 1: PRODUCT AND COMPANY IDENTIFICATION

Product:	PENTREAT™ 244-100	Part Number:	3470000
Manufacturer:	W. R. MEADOWS, INC.	Address:	300 Industrial Drive Hampshire, Illinois 60140
Telephone:	(847) 214-2100	In case of emergency, dial (800) 424-9300 (CHEMTREC)	
Revision Date:	4/2/2018		
Product Use:	Penetrating Concrete Sealer		

SECTION 2: HAZARDS IDENTIFICATION/EXPOSURE LIMITS

HMIS	HAZARD STATEMENTS
 Health 	WARNING!
 Flammability 	Flammable liquid/vapor.
 Reactivity 	Product hydrolyses producing Ethanol (CAS# 64-17-5).
 Personal Protection 	Direct contact may cause skin/eye irritation.
	PRECAUTIONARY STATEMENTS
	Use appropriate personal protective equipment.
	Keep away from ignition sources.
	Avoid direct contact/inhalation of aerosols/vapors.



SECTION 3: HAZARDS COMPONENTS

<u>Chemical Name:</u>	<u>CAS Number</u>	<u>% by Weight</u>	<u>SARA 313</u>	<u>Vapor Pressure (mm Hg@20°C)</u>	<u>LEL (@25°C)</u>
1. Organic Silane *	35435-21-3	>90	No	23 hPa	0.40%

*: Ethanol is formed when this product comes in contact with moisture and/or humid air.

Under the reporting requirements of Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1966 (SARA) and 40 CFR Part 372, chemicals listed on the 313 List (40 CFR Part 373.65) are identified under the heading "SARA 313." *N/A: Not Applicable*

SECTION 4: EMERGENCY AND FIRST AID PROCEDURES

EYE CONTACT: Immediately flush eyes with water for fifteen (15) minutes. If symptoms persist, seek medical attention.

SKIN CONTACT: Remove contaminated shoes/clothing. Wipe excess from skin and flush with water for fifteen (15) minutes. If symptoms persist, seek medical attention. Do not reuse clothing until thoroughly decontaminated.

INHALATION: If symptoms develop, move victim from exposure source and into fresh air. Treat symptomatically.

INGESTION: Not anticipated to be an exposure route. If ingested and vomiting occurs, keep the victim's head below the hips to prevent lung aspiration. Do not induce vomiting. Seek immediate medical attention.

MOST IMPORTANT SYMPTOMS/EFFECTS, ACUTE AND CHRONIC: See Section Eleven for Symptoms/Effects.

SECTION 5: FIRE AND EXPLOSIVES HAZARDS

FLASHPOINT: >104°F

EXTINGUISHING MEDIA: Alcohol-resistant foam, dry chemical or carbon dioxide.

CHEMICAL/COMBUSTION HAZARDS: Hazardous combustion products include carbon dioxide, carbon monoxide, silicon dioxide and incomplete combustion products.

PRECAUTIONS/PERSONAL PROTECTIVE EQUIPMENT: This product will flash but does not sustain combustion. As a result of hydrolysis, flammable vapors may accumulate in container head space. Consider possible formation of explosive mixtures with air; for example, in uncleaned containers by moisture. Explosion limits for hydrolysis product 3.5-15% v/v (ethanol).

SECTION 6: ACCIDENTAL RELEASE MEASURES

SPILL OR LEAK PROCEDURES: Dike and contain. Utilize appropriate personal protective equipment. Recover free product and absorb residues with an appropriate absorbent. Place in non-leaking marked containers for disposal. Eliminate all ignition sources.

SECTION 7: HANDLING AND STORAGE

SAFE HANDLING PROCEDURES: Avoid direct contact.

SAFE STORAGE: Keep containers closed when not in use. Protect product from moisture contamination.

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SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

Chemical Name:	OSHA				ACGIH			
	PEL	PEL/CEILING	PEL/STEL	SKIN	TWA	TLV/CEILING	TLV/STEL	SKIN
1. Organic Silane	N/E	N/E	N/E	N/E	N/E	N/E	N/E	N/E
2. Ethanol	1000 ppm	N/E	N/E	No	1000 ppm	N/E	N/E	N/E

ENGINEERING CONTROLS: Use with adequate ventilation. Local exhaust that meets the requirements of ANSI Z9.2 is recommended to control airborne contaminants at the point of use.

PERSONAL PROTECTIVE EQUIPMENT: Utilize safety glasses and chemical resistant gloves (Butyl Rubber). Respiratory protection is only required if exposures above the PELs may occur. A NIOSH-approved organic vapor respirator is recommended. N/E: Not Established

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

BOILING POINT: 456°F	VAPOR DENSITY: Not Applicable	% VOLATILE BY VOLUME: Not Established
EVAPORATION RATE: <1 (Ether=1)	pH LEVEL: Not Applicable	% VOLATILE BY WEIGHT: >95% (Approximate)
WEIGHT PER GALLON: 7.33	PRODUCT APPEARANCE: Colorless Liquid	VOC CONTENT: 315 g/L
ODOR: Mild Organic	ODOR THRESHOLD: N/D	MELTING/FREEZING POINT: < -148°F
FLAMMABILITY: N/D	UEL: N/D LEL: 0.4%	VAPOR PRESSURE: 0.089 hPa @ 77°F
RELATIVE DENSITY: 0.88 @ 68°F	SOLUBILITY: <0.00025	PARTITION COEFFICIENT: 6.1
AUTOIGNITION TEMPERATURE: N/D	DECOMPOSITION TEMPERATURE: >302°F	VISCOSITY: 1.9 mPa.s@ 77°F N/D: Not Determined

SECTION 10: STABILITY/REACTIVITY

STABILITY: Stable. **HAZARDOUS POLYMERIZATION:** Will not occur.
CONDITIONS AND MATERIALS TO AVOID: Moisture, acids, and bases.
HAZARDOUS DECOMPOSITION PRODUCTS: Ethanol generated when in contact with moisture/humidity.

SECTION 11: TOXICOLOGICAL INFORMATION

EYE CONTACT: Direct contact may cause mild to moderate irritation.
SKIN CONTACT: Direct contact may cause mild irritation. Prolonged contact may also cause irritation.
INHALATION: Not anticipated to be an exposure route. Exposure to aerosols/mists may irritate the respiratory tract.
INGESTION: Not expected to be an exposure route. Ingestion may cause irritation of the digestive tract.
SIGNS AND SYMPTOMS: Symptoms of eye irritation include pain, tearing, redness, and swelling. Symptoms of skin irritation include rash, redness and swelling. Respiratory irritation symptoms include runny nose, sore throat, coughing, chest discomfort, shortness of breath, and reduced lung function. Symptoms of gastrointestinal irritation include sore throat, nausea, abdominal pain, vomiting, and diarrhea.
AGGRAVATED MEDICAL CONDITIONS: Pre-existing skin, eye, and respiratory disorders may be aggravated by product exposure.
OTHER HEALTH EFFECTS: None recognized.

SECTION 12: ECOLOGICAL INFORMATION

ECOTOXICITY: N/E **DEGRADABILITY:** N/E **BIOACCUMULATIVE POTENTIAL:** N/E
SOIL MOBILITY: N/E **OTHER ADVERSE EFFECTS:** N/E

SECTION 13: WASTE DISPOSAL INFORMATION

WASTE DISPOSAL INFORMATION: Hazardous waste (D001). Disposal by fuel blending or incineration is recommended.

SECTION 14: TRANSPORTATION INFORMATION

HAZARDOUS/NON-HAZARDOUS MATERIAL: Non-hazardous.
UN NUMBER: None. **HAZARD CLASS:** None. **PACKING GROUP:** None.
UN PROPER SHIPPING NAME: N/E
ENVIRONMENTAL HAZARDS: None recognized.
BULK TRANSPORTATION INFORMATION: Not applicable. Product is not shipped in bulk configuration.
SPECIAL PRECAUTIONS: None.

SECTION 15: REGULATORY INFORMATION

OTHER REGULATORY CONSIDERATIONS: None.

SECTION 16: OTHER INFORMATION

PREPARATION DATE: 4/2/2018
PREPARED BY: Dave Carey

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 this product described herein.