



SAFETY DATA SHEET

SECTION 1: PRODUCT AND COMPANY IDENTIFICATION

Product:	PENTREAT 244-40 OTC	Part Number: 3474000
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:	12/7/2023	
Product Use:	Penetrating Concrete Sealer	

SECTION 2: HAZARDS IDENTIFICATION/EXPOSURE LIMITS

HMIS	HAZARD STATEMENTS
 Health 1	DANGER!
 Flammability 3	Highly flammable liquid/vapor. (Category 2)
 Reactivity 0	Causes skin irritation. (Category 2) Harmful if inhaled. (Category 4)
 Personal Protection 	May be fatal if swallowed and enters airways. (Category 1) Product hydrolyses producing ethanol. (CAS# 64-17-5)
	PRECAUTIONARY STATEMENTS
	Use appropriate personal protective equipment.
	Keep containers closed when not in use/avoid ignition sources.
	Use only outdoors or in well-ventilated areas.
	Store in well-ventilated location.
	Avoid direct contact/inhalation of aerosols/vapors.



SECTION 3: HAZARDOUS 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	35-40	No	23 kPa	0.40%
2. Acetone	67-64-1	25-30	No	24 kPa	2.60%
3. Proprietary Solvent Blend	N/E	25-30	No	N/E	N/E

*: Ethanol is formed when this product comes in contact with moisture and/or humidity. *N/E: No Established*
 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."

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.

SECTION 5: FIRE AND EXPLOSIVES HAZARDS

FLASHPOINT: -4 degrees°F (For Acetone)
EXTINGUISHING MEDIA: Water fog, 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: 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). Avoid smoke inhalation. Personal protective equipment should include full fire fighting ensemble.

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SECTION 6: ACCIDENTAL RELEASE MEASURES

SPILL OR LEAK PROCEDURES: Avoid direct contact. Dike and contain spilled material. Remove/extinguish ignition sources. Remove source of spill if safe to do so. Evacuate all non-essential personnel from immediate area. A vapor suppressing foam may be used to reduce vapor generation. Absorb with non-combustible absorbent utilizing non-sparking tools. Control run-off. Place in sealed/marked containers for disposal.

SECTION 7: HANDLING AND STORAGE

SAFE HANDLING PROCEDURES: Avoid direct contact. Use adequate grounding when decanting.

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

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/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
2. Acetone	1000 ppm	N/A	N/A	Yes	500 ppm	N/A	750 ppm	N/A
3. Proprietary Solvent Blend	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
4. Ethanol	1000 ppm	N/A	N/A	N/A	1000 ppm	N/A	N/A	N/A

N/A: Not Applicable

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

PERSONAL PROTECTIVE EQUIPMENT: Utilize safety glasses and chemical resistant gloves (Neoprene). Respiratory protection is only required if exposures above established PELs may occur. A NIOSH-approved organic vapor respirator is recommended in these instances.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

BOILING POINT: N/E	VAPOR DENSITY: >1 (Air=1)	% VOLATILE BY VOLUME: N/E
EVAPORATION RATE: <1 (Ether=1)	pH LEVEL: N/A	% VOLATILE BY WEIGHT: >95% (Approximate)
WEIGHT PER GALLON: 7.28	PRODUCT APPEARANCE: Colorless Liquid	VOC CONTENT: 331 g/L
ODOR: Mild Organic	ODOR THRESHOLD: N/D	MELTING/FREEZING POINT: N/D
FLASH POINT: See Section 5	FLAMMABILITY: N/D	UEL/LEL: N/D
VAPOR PRESSURE: N/D	RELATIVE DENSITY: N/D	SOLUBILITY: N/D
PARTITION COEFFICIENT: N/D	AUTOIGNITION TEMPERATURE: N/D	DECOMPOSITION TEMPERATURE: N/D
VISCOSITY: N/D	<i>N/A: Not Applicable</i>	<i>N/D: Not Determined</i>
		<i>N/E: Not Established</i>

SECTION 10: STABILITY/REACTIVITY

STABILITY: Stable.

HAZARDOUS POLYMERIZATION: Will not occur.

CONDITIONS AND MATERIALS TO AVOID: Moisture, acids, bases, ignition sources, oxidizing agents.

HAZARDOUS DECOMPOSITION PRODUCTS: Ethanol is 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: Exposure to aerosols/vapors may irritate the respiratory tract. Exposure to excessive vapor concentrations may cause signs of transient central nervous system depression (headache, drowsiness, loss of coordination, and fatigue). Repeated/prolonged occupational overexposures may result in permanent damage and can be potentially fatal.

INGESTION: Not expected to be an exposure route. Ingestion may cause irritation of the digestive tract. Aspiration hazard if swallowed and enters airways. May be fatal if aspirated into the lungs.

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.

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SECTION 12: ECOLOGICAL INFORMATION		
ECOTOXICITY: N/E	DEGRADABILITY: N/E	BIOACCUMULATIVE POTENTIAL: N/E
SOIL MOBILITY: N/E	OTHER ADVERSE EFFECTS: N/E	<i>N/E: Not Established</i>
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: Hazardous		
UN NUMBER: 1993	HAZARD CLASS: 3	PACKING GROUP: II
UN PROPER SHIPPING NAME: Flammable Liquid N.O.S. (Acetone, Organic Silane)		
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:	12/7/2023	
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.
