



SAFETY DATA SHEET

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SECTION 1: PRODUCT AND COMPANY IDENTIFICATION

Product:	PENTREAT™ 244-40 OTC	Part Number: 3474-000
Manufacturer:	W. R. MEADOWS OF CANADA	Address: 70 Hannant Court Milton, Ontario Canada L9T 5C1
Telephone:	(905) 878-4122	In case of emergency, dial (800) 424-9300 (CHEMTREC)
Revision Date:	4/17/2024	
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)
Personal Protection		Harmful if inhaled. (Category 4)
		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

Chemical Name:	CAS Number	% by Weight	SARA 313	Vapor Pressure (mm Hg@20°C)	LEL (@25°C)
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: Not 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.

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

SECTION 5: FIRE AND EXPLOSIVES HAZARDS

FLASHPOINT: -20 °C (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 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

<u>Chemical Name:</u>	OSHA					ACGIH		
	<u>PEL</u>	<u>PEL/CEILING</u>	<u>PEL/STEL</u>	<u>SKIN</u>	<u>TWA</u>	<u>TLV/CEILING</u>	<u>TLV/STEL</u>	<u>SKIN</u>
1. Organic Silane	N/E	N/E	N/E	N/E	N/E	N/E	N/E	N/E
2. Acetone	1000 ppm	N/E	N/E	Yes	500 ppm	N/E	750 ppm	N/E
3. Proprietary Solvent Blend	N/E	N/E	N/E	N/E	N/E	N/E	N/E	N/E

N/E = Not Established

ENGINEERING CONTROLS: Local ventilation may be required at point of use. Use explosion-proof equipment

PERSONAL PROTECTIVE EQUIPMENT: Safety glasses, chemical-resistant gloves.

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
VISCOOSITY: 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, carbon monoxide/dioxide.

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

N/E = Not Established

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: 4/17/2024

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.