

MATERIAL SAFETY DATA SHEET

I. PRODUCT IDENTIFICATION

Name: Henry 445 Fast Setting Flooring Underlayment
Description: Portland Cement

II. DEPARTMENT OF TRANSPORTATION INFORMATION

Shipping name: Not classified Hazard Class: N/A ID #: N/A
EMERGENCY ONLY CONTACT: CHEM-TEL 800-255-3924

III. HMIS (0=minimal hazard; 4 = severe hazard)

Health = 1 Flammability = 0 Reactivity = 0

IV. PRODUCT CONTENT

This product does not contain chemicals subject to the reporting requirements of Section 313 of SARA Title III and 40 CFR 372. All components are on TSCA inventory. This product does NOT contain asbestos.

V. HAZARDOUS INGREDIENTS

INGREDIENT	PERCENT	OCCUP. EXPOS. LMT.	
		TLV:	PEL:
Portland Cement, CAS#65997-15-1	15 - 25	10 mg/m3	10 mg/m3 respirable dust: 5 mg/m3
Limestone, CAS#1317-65-3	5 - 20	10 mg/m3	15 mg/m3 respirable dust: 5 mg/m3
Sand, Silica, CAS#14808-60-7	20 - 45	as respirable crystalline silica: 0.1 mg/m3	0.1 mg/m3
Calcium Aluminate, CAS#65997-16-2	15 - 25	10 mg/m3 respirable dust: 3 mg/m3	15 mg/m3 respirable dust: 5 mg/m3
Calcium Sulfate, CAS#7778-18-9	1 - 10	10 mg/m3	15 mg/m3 respirable dust: 5 mg/m3
Calcium Hydroxide, CAS#1305-62-0	1 - 5	5 mg/m3	5 mg/m3

VI. PHYSICAL DATA

APPEARANCE: Gray powder. ODOR: Cement odor. BOILING POINT (degree F): N/K. VAPOR PRESSURE (mm Hg @ 20°C): N/K. VAPOR DENSITY (air = 1): N/K. % VOLATILE BY WEIGHT (30 min. @ 275°F): 0%. EVAPORATION RATE (butyl acetate = 1): N/K. SOLUBILITY IN WATER: < 5%. SPECIFIC GRAVITY: 3.0. pH: 12 - 13

VII. FIRE AND EXPLOSION HAZARD DATA

FLASH POINT (METHOD): None. FLAMMABLE RANGE: LEL: N/A; UEL: N/A. EXTINGUISHING MEDIA: N/A. SPECIAL FIRE FIGHTING PROCEDURES: Protect fire fighters from toxic products of combustion by wearing self-contained breathing apparatus. UNUSUAL FIRE AND EXPLOSION HAZARDS: None

VIII. HEALTH HAZARD DATA

PRIMARY ROUTE(S) OF ENTRY: Inhalation and direct dermal exposure. TARGET ORGANS: Upper respiratory system, skin and eyes. EFFECTS OF OVEREXPOSURE: SKIN AND EYES: Contact with skin and eyes can cause severe irritation. INHALATION: Prolonged or repeated overexposure to dust may cause nose and throat irritation. Long term exposure to silica dust in concentrations higher than the PEL or TLV may cause silicosis. NTP has classified respirable crystalline silica as a probable carcinogen. IARC has established a 1 classification to crystalline silica as a known carcinogen to humans. CARCINOGENICITY: NTP: Yes. IARC Monographs: Yes. OSHA Regulated: No. MEDICAL CONDITIONS GENERALLY AGGRAVATED BY EXPOSURE: Existing skin conditions. Preexisting upper respiratory and lung disease such as, but not limited to bronchitis, emphysema, and asthma. FIRST AID PROCEDURES: SKIN AND EYES: In case of eye contact, flush eyes with plenty of water continuously for fifteen (15) minutes; get medical attention immediately. Wash skin thoroughly with soap and water or hand cleaner. Seek medical attention if symptoms persist. Wash clothing before reusing. INHALATION: Remove to fresh air.

IX. REACTIVITY DATA

STABILITY: Stable. INCOMPATIBILITY: N/K
HAZARDOUS DECOMPOSITION PRODUCTS: N/K
HAZARDOUS POLYMERIZATION: Will not occur.

HENRY

445

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The W. W. Henry Company
400 Ardex Park Drive
Aliquippa, PA 15001
Technical Support: 1-800-232-4832
Internet: wwhenry.com

X. SPILL OR LEAK PROCEDURES

STEPS TO BE TAKEN IF MATERIAL IS RELEASED OR SPILLED: Pick up material and place into DOT approved container. Avoid creating dust. WASTE DISPOSAL METHOD: Dispose of container and any unused contents in accordance with Federal, State, and Local Waste Disposal Regulations. Do not flush unused contents or residue down drains. Do not reuse container.

XI. SPECIAL HANDLING AND USE INFORMATION

VENTILATION: Normal, ambient ventilation should be sufficient. Avoid creating dust. RESPIRATORY PROTECTION: Should not be required. If work process generates excessive quantities of dust, or exposures in excess of the PEL, wear respirator approved for pneumoconiosis-producing dusts. SKIN AND EYE PROTECTION: It is always a good safety practice to avoid contact with eyes and prolonged contact with skin. Use spectacle-type glasses to avoid getting in eyes, and latex or rubber gloves to prevent skin contact.

XII. SPECIAL PRECAUTIONS

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORAGE: Keep product dry until used. Avoid breakage of bagged material. OTHER PRECAUTIONS: Close container after each use. WARNING: Crystalline silica (quartz) is classified as a substance known to the state of California to be a carcinogen. WORK SITE ENVIRONMENT: Initially there may be a potential adverse impact on indoor air quality within the general work area during the installation process. Therefore you should advise the building manager or other appropriate person that: • It will be necessary to establish and maintain adequate ventilation of the work area, without causing the entry of contaminants to other parts of building; and • Persons who are sensitive to odors and/or chemicals should be advised to avoid the work area during this process.

The information presented herein is supplied as a guide to those who handle or use this product. Safe work practices must be employed when working with any materials. It is important that the end user makes a determination regarding the adequacy of the safety procedures employed during the use of this product.

N/A - not applicable or not available
N/K - none known or not known