

MATERIAL SAFETY DATA SHEET

REVISION DATE: 12-14-2010

SUPERSEDES: 12-20-2007

SECTION 1: CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

COMPANY INFORMATION

H.B. Fuller Construction Products Inc.
1105 S. Frontenac Street
Aurora, IL 60504
Phone: 1-800-552-6225

Medical Emergency Phone Number (24 Hours): 1-888-853-1758
Transport Emergency Phone Number (CHEMTREC): 1-800-424-9300

PRODUCT INFORMATION

PRODUCT NUMBER: CHAPCO'S CHAMPION
PRODUCT NAME: PREMIUM URETHANE WOOD FLOORING ADHESIVE
PRODUCT DESCRIPTION: Urethane polymer
PRODUCT IDENTIFIER: 826221PM

SECTION 2: HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW

PHYSICAL STATE: Semi-solid
COLOR: Light Tan
ODOR: Mild Solvent

Combustible

Moderate eye irritant.

Can cause skin irritation. May cause allergic skin reaction. May cause an allergic respiratory reaction.

Harmful if swallowed.

Cancer hazard.

POTENTIAL HEALTH EFFECTS BY ROUTE OF ENTRY

EYE: Can cause moderate irritation, tearing and reddening, but not likely to permanently injure eye tissue.

SKIN: Can cause skin irritation. May cause sensitization.

Component(s) may be absorbed through intact skin, but it is unlikely that harmful effects will occur unless contact is prolonged, repeated, and extensive.

INHALATION: Can cause minor respiratory irritation. Inhalation of dusts produced during cutting, grinding or sanding of this product may cause irritation of the respiratory tract.

Other possible symptoms include; wheezing and coughing due to pulmonary edema (fluid build-up in lungs).

May cause allergic respiratory reaction.

At room temperature, MDI vapors are minimal due to low vapor pressure. If product is heated or if an aerosol/mist is generated, airborne concentrations may be reached that cause irritation or other adverse effects.

Inhalation of high concentrations may result in central nervous system (CNS) effects such as dizziness, weakness, fatigue, nausea, headache, and lack of coordination. Overexposure to crystalline silica may cause silicosis.

This product contains one or more materials that may be hazardous when present as an airborne dust. During normal handling of the product, the material is encapsulated within the product and will not present an exposure risk. Once the product has reached its final state and is abraded or disturbed, dusting and exposure may occur.

INGESTION: Ingestion is not an anticipated route of exposure. Harmful if swallowed. Irritating to mouth, throat, and stomach.

LONG-TERM (CHRONIC) HEALTH EFFECTS

CHRONIC: May cause tumors based on tests with laboratory animals.

TARGET ORGAN(S): Kidneys Central nervous system Reproductive system Lungs Skin

REGULATED CARCINOGEN STATUS:

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Unless noted below, this product does not contain regulated levels of NTP, IARC, ACGIH, or OSHA listed carcinogens.

Diocetyl phthalate

Crystalline silica

EXISTING HEALTH CONDITIONS AFFECTED BY EXPOSURE: Kidney disease; Lung disease; Skin disease including eczema and sensitization; Persons with existing asthmatic conditions may experience difficulty breathing. Persons who have been sensitized to isocyanates may experience symptoms at very low exposure levels.

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Name	CAS #	PERCENT
Calcium carbonate	471-34-1	50 - 70
Stoddard solvent	8052-41-3	5 - 10
Diocetyl phthalate	117-81-7	5 - 10
Methylene bisphenyl diisocyanate (MDI)	101-68-8	1 - 5
Polymethylene polyphenyl isocyanate	9016-87-9	1 - 5
P-toluene sulfonyl isocyanate	4083-64-1	0.1 - 1
Crystalline silica	14808-60-7	0.1 - 1

Unlisted ingredients are not 'hazardous' per the Occupational Safety and Health Administration Hazard Communication Standard (29 CFR 1910.1200) and/or are not found on the Canadian Workplace Hazardous Materials Information System ingredient disclosure list. See Section 8 for exposure limit guidelines.

SECTION 4: FIRST AID MEASURES

IF IN EYES: Flush eyes with plenty of water for at least 20 minutes retracting eyelids often. Tilt the head to prevent chemical from transferring to the uncontaminated eye. Get immediate medical attention.

IF ON SKIN: Wash with soap and water. Get medical attention if irritation develops or persists.

IF VAPORS INHALED: Remove to fresh air. Call a physician if symptoms persist.

IF SWALLOWED: Do not induce vomiting. Seek medical attention immediately. Drink two glasses of water or milk to dilute. Do not give anything by mouth to an unconscious person.

SECTION 5: FIRE FIGHTING MEASURES

FLASH POINT:	64C; 147F
AUTOIGNITION TEMPERATURE:	Not established
LOWER EXPLOSIVE LIMIT (% in air):	Not established
UPPER EXPLOSIVE LIMIT (% in air):	Not established
EXTINGUISHING MEDIA:	Use water spray, foam, dry chemical or carbon dioxide.
UNUSUAL FIRE AND EXPLOSION HAZARDS:	Vapors are heavier than air and can travel to a source of ignition and flash back.
SPECIAL FIRE FIGHTING INSTRUCTIONS:	Persons exposed to products of combustion should wear self-contained breathing apparatus and full protective equipment.
HAZARDOUS COMBUSTION PRODUCTS:	Carbon dioxide, Carbon monoxide Nitrogen containing gases Hydrogen cyanide

SECTION 6: ACCIDENTAL RELEASE MEASURES

SPECIAL PROTECTION: Exposure to the spilled material may be irritating or harmful. Follow personal protective equipment recommendations found in Section 8 of this

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MSDS. Additional precautions may be necessary based on special circumstances created by the spill including; the material spilled, the quantity of the spill, the area in which the spill occurred. Evaporation of volatile substances can lead to the displacement of air creating an environment that can cause asphyxiation.

CLEAN-UP: Cover with absorbent material. Place in open topped container. Remove to well-ventilated area and treat with aqueous ammonia.
Shut off ignition sources; including electrical equipment and flames. Do not allow smoking in the area.

Transport Emergency Phone Number (CHEMTREC): 1-800-424-9300

SECTION 7: HANDLING AND STORAGE

Handling: Harmful or irritating material. Avoid contacting and avoid breathing the material. Use only in a well ventilated area. Moisture contamination in closed containers may produce carbon dioxide gas pressure.
Keep away from heat, sparks and flame.
Wash thoroughly after handling.
Keep container closed.
Emptied container retains vapor and product residue.
Observe all labeled precautions until container is cleaned.
Drums of this material should be grounded when pouring.
DO NOT CUT OR WELD ON OR NEAR THIS CONTAINER.

Storage: Store in a cool, dry, ventilated location. Keep away from heat and flame. Keep container closed.

Consult the Technical Data Sheet for specific storage instructions.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

EYE PROTECTION: Wear safety glasses with side shields when handling this product. Wear additional eye protection such as chemical splash goggles and/or face shield when the possibility exists for eye contact with splashing or spraying liquid, or airborne material. Have an eye wash station available.

SKIN PROTECTION: Avoid skin contact by wearing chemically resistant gloves.

GLOVES: Nitrile

RESPIRATORY PROTECTION: Respiratory protection may be required to avoid overexposure when handling this product. Use a respirator if general room ventilation is not available or sufficient to eliminate symptoms. NIOSH approved air purifying respirator with organic vapor cartridge. Respirators should be selected by and used following requirements found in OSHA's respirator standard (29 CFR 1910.134).

VENTILATION: Use local exhaust ventilation or other engineering controls to minimize exposures.

EXPOSURE LIMITS:

Chemical Name	ACGIH EXPOSURE LIMITS	OSHA PEL
Calcium carbonate	Not established	15 mg/m ³ TWA (total dust); 5 mg/m ³ TWA (respirable fraction)
Stoddard solvent	100 ppm TWA	500 ppm TWA; 2900 mg/m ³ TWA

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Diocetyl phthalate	5 mg/m3 TWA	5 mg/m3 TWA
Methylene bisphenyl diisocyanate (MDI)	0.005 ppm TWA	0.02 ppm Ceiling; 0.2 mg/m3 Ceiling
Polymethylene polyphenyl isocyanate	Not established	Not established
P-toluene sulfonyl isocyanate	Not established	Not established
Crystalline silica	0.025 mg/m3 TWA respirable fraction	((250)/(%SiO2 + 5) mppcf TWA (respirable)); ((10)/(%SiO2 + 2) mg/m3 TWA (respirable)); ((30)/(%SiO2 + 2) mg/m3 TWA (total dust))

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

PHYSICAL STATE:	Semi-solid
COLOR:	Light Tan
ODOR:	Mild Solvent
ODOR THRESHOLD:	Not established
WEIGHT PER GALLON (lbs.):	12.7
SPECIFIC GRAVITY:	1.56
pH:	Not established
FLASH POINT:	64C; 147F
BOILING POINT (deg. C):	Not established
FREEZING/MELTING POINT (deg. C):	Not established
VAPOR PRESSURE (mm Hg):	Not established
VAPOR DENSITY:	Not established
EVAPORATION RATE:	Not established
OCTANOL/WATER COEFFICIENT:	Not established
VOC, weight percent	6.00
VOC, EPA Method 24 (theoretically determined)	100g/liter of material

SECTION 10: STABILITY AND REACTIVITY

STABILITY:	Stable under normal conditions.
CHEMICAL INCOMPATIBILITY:	Strong oxidizing agents Water Alcohols Amines Strong acids Strong alkalies
HAZARDOUS POLYMERIZATION:	Will not occur.
HAZARDOUS DECOMPOSITION PRODUCTS:	Carbon monoxide, carbon dioxide Nitrogen containing gases Hydrogen cyanide

SECTION 11: TOXICOLOGICAL INFORMATION

COMPONENT	LD50/LC50
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Calcium carbonate	Oral LD50 Rat = 6450 mg/kg
Stoddard solvent	Not established
Dioctyl phthalate	Oral LD50 Rat = 30 g/kg Dermal LD50 Rabbit = 25 g/kg
Methylene bisphenyl diisocyanate (MDI)	Oral LD50 Rat 9200 mg/kg Inhalation LC50 Rat 178 mg/cu m (no duration specified)
Polymethylene polyphenyl isocyanate	Oral LD50 Rat 49 g/kg Inhalation LC50 Rat 460 mg/cu m/4H Dermal LD50 Rabbit > 9400 mg/kg
P-toluene sulfonyl isocyanate	Not established
Crystalline silica	Not established

TOXICOLOGY SUMMARY: No additional health information available.

SECTION 12: ECOLOGICAL INFORMATION

OVERVIEW: No ecological information available

SECTION 13: DISPOSAL CONSIDERATIONS

It is our opinion that this product does not meet the definition of hazardous waste under U.S. EPA Hazardous Waste Regulations 40 CFR 261. Dispose of waste material according to state, local or provincial regulations.

SECTION 14: TRANSPORTATION INFORMATION

Consult Bill of Lading for transportation information.

DOT: NOT REGULATED IN CONTAINERS LESS THAN 119 GALLONS. PLEASE CONTACT H.B. FULLER COMPANY FOR TRANSPORTATION CLASSIFICATION IF SHIPPING IN BULK CONTAINERS.

IATA: NOT REGULATED IN CONTAINERS LESS THAN 1769 POUNDS. IN CONTAINERS 1769 POUNDS OR MORE: UN3082, ENVIRONMENTALLY HAZARDOUS SUBSTANCES, LIQUID, N.O.S. (DI-N-OCTYL PHTHALATE), 9, III, RQ

SECTION 15: REGULATORY INFORMATION

INVENTORY STATUS

U.S. EPA TSCA: This product is in compliance with the Toxic Substances Control Act's Inventory requirements.

CANADIAN CEPA DSL: The components of this product are included on the DSL or are exempt from DSL requirements.

EUROPEAN EINECS: As a result of the introduction of REACH into Europe, this product cannot be imported into Europe unless the REACH requirements are met.

If you need more information about the inventory status of this product call 651-236-5858.

This product may contain chemical substances that are regulated for export by various government agencies (such as the Environmental Protection Agency, the Bureau of Industry and Security, or the Drug Enforcement Administration, among others). Before exporting this product from the USA or Canada, we recommend you contact us at 651-236-5858 (USA) or 450-655-1306 x227 (Canada) to request an export review.

FEDERAL REPORTING

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EPA SARA Title III Section 313

Unless listed below, this product does not contain toxic chemical(s) subject to the reporting requirements of section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA) and 40 CFR part 372. EPA has advised that when a percentage range is listed the midpoint may be used to fulfill reporting obligations.

Chemical Name	CAS#	%
Di(2-ethylhexyl)phthalate	117-81-7	5 - 10
Methylenebis(phenylisocyanate)	101-68-8	1 - 5
Polymeric diphenylmethane diisocyanate	9016-87-9	1 - 5

WHMIS STATUS: Unless listed below, this product is not controlled under the Canadian Workplace Hazardous Materials Information System.

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D2B D2A

STATE REPORTING

Proposition 65, The Safe Drinking Water and Toxic Enforcement Act of 1986:

Unless listed below, this product does not contain known levels of any chemical known to the State of California to cause cancer or reproductive harm.

Chemical Name/List	CAS	Percent
Di(2-ethylhexyl)phthalate (Carcinogen)	117-81-7	5 - 10
Quartz (Carcinogen)	14808-60-7	0.1 - 1
Naphthalene (Carcinogen)	91-20-3	0.001 - 0.01
Nickel (metallic) (Carcinogen)	7440-02-0	< 10 ppm
Di(2-ethylhexyl)phthalate (Developmental toxin)	117-81-7	5 - 10
Di(2-ethylhexyl)phthalate (Male reproductive toxin)	117-81-7	5 - 10

SECTION 16: ADDITIONAL INFORMATION

This Material Safety Data Sheet is prepared to comply with the United States Occupational Safety and Health Administration (OSHA) Hazard Communication Standard (29 CFR 1910.1200) and the Canadian Workplace Hazardous Materials Information System (WHMIS).

HMIS RATING: HEALTH -- 2 FLAMMABILITY -- 2 REACTIVITY -- 0

See SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION for personal protective equipment recommendations.

Prepared by: The Global Regulatory Department

Phone: 651-236-5842

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