

SAFETY DATA SHEET

REVISION DATE: 04-26-2017

SUPERSEDES: 10-07-2016

SECTION 1: IDENTIFICATION OF THE PRODUCT AND SUPPLIER**PRODUCT INFORMATION**

PRODUCT: BUILDING FILLER
PRODUCT DESCRIPTION: Polyester resin (solid)
INTENDED USE: Industrial adhesive
PRODUCT IDENTIFIER: 841891PM

COMPANY INFORMATION

H.B. Fuller Company Australia Pty. Ltd.
16 - 22 Red Gum Drive
Dandenong South, VIC 3175
Telephone: (03) 9797 6222
Emergency telephone No: 1800 033 111
Emergency Tel NZ: 0800 734 607 (or IDD +64 473 4607)

SECTION 2: HAZARDS IDENTIFICATION**GHS Hazard Symbols:**

GHS Symbol name(s): Exclamation mark
GHS Signal Word: Warning
GHS Classification: Serious Eye Damage/Eye Irritation Category 2A; Hazardous to the aquatic environment - Acute Category 2
GHS Hazard Phrases: Causes serious eye irritation.
Toxic to aquatic life.
GHS Precautions:
Safety Precautions: Wash thoroughly after handling.
Avoid release to the environment.
Wear protective gloves/protective clothing/eye protection/face protection.
First Aid Measures: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention.
Disposal: Dispose of contents/container in accordance with local/regional/national/international regulation for hazardous wastes.

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Name	CAS #	PERCENT	Classification	Note
Talc, non-fibrous	14807-96-6	30 - 50		* (see below)
Sodium borosilicate	50815-87-7	5 - 10	Eye Irrit. 2; H319	
Titanium dioxide	13463-67-7	1 - 5	Carc. 2; H351	* (see below)

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Styrene	100-42-5	1 - 5	Aquatic Acute 1; H400 Acute Tox. 4; H332 Eye Irrit. 2; H319 Flam. Liq. 3; H226 Skin Irrit. 2; H315	
Crystalline silica	14808-60-7	1 - 5	Carc. 1A; H350 STOT RE 1; H372	* (see below)
Ingredients determined to be not hazardous		90		

*This material is only hazardous when present as an airborne dust. As supplied, and during normal use, the material is encapsulated within the product and will not present an exposure risk.

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 INHALED: Remove to fresh air. Restore breathing, if necessary. Call a physician if symptoms persist.

IF SWALLOWED: Do not induce vomiting. Seek medical attention if symptoms develop. Provide medical care provider with this MSDS.

SECTION 5: FIRE FIGHTING MEASURES

EXTINGUISHING MEDIA:	Use water spray, foam, dry chemical or carbon dioxide.
UNUSUAL FIRE AND EXPLOSION HAZARDS:	Material will burn in a fire.
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 Organic acids

SECTION 6: ACCIDENTAL RELEASE MEASURES

SPECIAL PROTECTION:	No health affects expected from the clean-up of this material if contact can be avoided. Follow personal protective equipment recommendations found in Section 8 of this SDS.
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SECTION 7: HANDLING AND STORAGE

Handling: Avoid unnecessary exposure.

Storage: Store in a cool, dry place.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION
EXPOSURE LIMITS:

Chemical Name	Note	AUSTRALIAN EXPOSURE LIMITS	ACGIH EXPOSURE LIMITS
Talc, non-fibrous	* (see below)	2.5 mg/m ³ TWA (containing no asbestos fibers) None	2 mg/m ³ TWA (particulate matter containing no asbestos and <1% crystalline silica, respirable particulate matter)
Titanium dioxide	* (see below)	10 mg/m ³ TWA (containing no asbestos and <1% crystalline silica, inhalable dust) None	10 mg/m ³ TWA
Styrene		50 ppm TWA; 213 mg/m ³ TWA 100 ppm STEL; 426 mg/m ³ STEL	20 ppm TWA 40 ppm STEL
Crystalline silica	* (see	0.1 mg/m ³ TWA (respirable dust)	0.025 mg/m ³ TWA (respirable particulate)

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	below)	None	matter)
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*This material is only hazardous when present as an airborne dust. As supplied, and during normal use, the material is encapsulated within the product and will not present an exposure risk.

Biological Limit Values (ACGIH)

Chemical Name	ACGIH Biological Exposure Index (BEI)
Styrene	400 mg/g creatinine Medium: urine Time: end of shift Parameter: Mandelic acid plus phenylglyoxylic acid (nonspecific); 40 µg/L Medium: urine Time: end of shift Parameter: Styrene

ENGINEERING CONTROL METHODS:

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

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

PHYSICAL STATE:	Semi-solid
COLOR:	Off-white
ODOR:	Characteristic
ODOR THRESHOLD:	Not established
pH:	Not established
FREEZING/MELTING POINT (deg. C):	Not established
BOILING POINT (deg. C):	Not established
FLASH POINT:	Not applicable
EVAPORATION RATE:	Not established
FLAMMABILITY:	Not a flammable solid or gas
UPPER EXPLOSIVE LIMIT (% in air):	Not established
LOWER EXPLOSIVE LIMIT (% in air):	Not established
VAPOR PRESSURE (mm Hg):	Not established
VAPOR DENSITY:	Not established
WEIGHT PER GALLON (lbs.):	8.35
SPECIFIC GRAVITY:	1.000
SOLUBILITY:	Not established
OCTANOL/WATER COEFFICIENT:	Not established
AUTOIGNITION TEMPERATURE:	Not established
DECOMPOSITION TEMPERATURE:	Not established
VISCOSITY:	No data available.
SOLIDS (% by weight):	100.0

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STABILITY:	Stable under normal conditions.
CONDITIONS TO AVOID:	Sunlight. Open flames. Contamination Temperatures greater than 90 F (32 C).
CHEMICAL INCOMPATIBILITY:	Not established
HAZARDOUS POLYMERIZATION:	Will not occur.
HAZARDOUS DECOMPOSITION PRODUCTS:	Carbon monoxide, carbon dioxide Organic acids

SECTION 11: TOXICOLOGICAL INFORMATION**Component Toxicity / Toxicology Data:**

COMPONENT NAME	LD50/LC50
Styrene	Inhalation LC50 Rat 11.70 mg/l
Crystalline silica	Oral LD50 Rat 500 mg/kg

This product is a mixture. Unless noted, the information below is based on components.

Skin corrosion / irritation: No irritation hazard in normal industrial use.

Serious eye damage / irritation: Can cause moderate irritation, tearing and reddening.

Respiratory / skin sensitization: No data available.

Germ cell mutagenicity: No data available.

Carcinogenicity: Contains a material that may cause cancer. (This product contains crystalline silica, which is an IARC Category 1 carcinogen. As provided, and during normal use of this product, the crystalline silica is encapsulated within the product. As such, it is considered to be inextricably bound, and not readily available for exposure.)

Reproductive toxicity: No data available.

Specific target organ toxicity-single exposure: No data available.

Respiratory irritation / Narcotic effects: No data available.

Specific target organ toxicity-single exposure: No data available.

Target organs potentially affected by exposure: Lungs Central nervous system

Aspiration hazard: Not an aspiration hazard.

Medical Conditions Aggravated by Exposure: Lung disease

SECTION 12: ECOLOGICAL INFORMATION

OVERVIEW:	No ecological information available for this product.
MOBILITY:	No data available.
PERSISTENCE:	No data available.
BIOACCUMULATION:	No data available.

This product has not been tested for ecological effects. Relevant information for components is listed below:

Component:	Ecotoxicity values:
Styrene	Acute Toxicity (Fish): 96 Hr LC50 Pimephales promelas: 3.24 - 4.99 mg/L [flow-through]; 96 Hr LC50 Lepomis macrochirus: 19.03 - 33.53 mg/L [static]; 96 Hr LC50 Pimephales promelas: 6.75 - 14.5 mg/L [static]; 96 Hr LC50 Poecilia reticulata: 58.75 - 95.32 mg/L [static] Acute Toxicity (Daphnia): 48 Hr EC50 Daphnia magna: 3.3 - 7.4 mg/L

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	Acute Toxicity (Algae): 72 Hr EC50 Pseudokirchneriella subcapitata: 1.4 mg/L; 96 Hr EC50 Pseudokirchneriella subcapitata: 0.72 mg/L; 72 Hr EC50 Pseudokirchneriella subcapitata: 0.46 - 4.3 mg/L [static]; 96 Hr EC50 Pseudokirchneriella subcapitata: 0.15 - 3.2 mg/L [static]
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SECTION 13: DISPOSAL CONSIDERATIONS

This product is a prescribed waste and may only be disposed of in accordance with applicable State and local regulations. These regulations vary from jurisdiction to jurisdiction and hence the user is counselled to seek advice from the local authority and classify the waste before considering disposal. The disposal information given below is a general guide and does not replace the requirement of the local regulations.

DISPOSAL: If possible recycle, otherwise dispose strictly in accordance with local industrial waste or environmental protection regulations. This substance may, if permitted by local authorities, be disposed of in an approved incineration facility or be considered for landfill.

SPECIAL PRECAUTIONS: Do not allow this material to contaminate soil, sewerage systems or surface or ground water.

When large amounts of this product need to be disposed of the services of a registered, professional waste disposal organisation is highly recommended.

SECTION 14: TRANSPORT INFORMATION

Consult Bill of Lading for transportation information.

IATA: UN3269, POLYESTER RESIN KIT, 3, III
HazChem Code: 2YE

SECTION 15: REGULATORY INFORMATION**INVENTORY STATUS**

AUSTRALIA AICS: All ingredients in this mixture are listed in the Australian Inventory of Chemical Substances.

U.S. EPA TSCA: The product contains a substance that is not listed on the TSCA inventory.

CANADIAN CEPA DSL: This product contains one or more components which have not been determined to be on the DSL. If you are the importer of this product into Canada, contact H.B. Fuller for chemical tracking and notification information.

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

CHINA IECSC INVENTORY: This product is in compliance with the Inventory of Existing Chemical Substances in China (IECSC) requirements.

If you need more information about the inventory status of this product call 1+ 651-236-5858.

New Zealand:

Classified as Hazardous according to the Hazardous Substances (Minimum degrees of hazard) Regulations 2001.
Group standard: Organic Peroxides Group Standard 2006
HSNO Approval Number: HSR002629.

Standard for the Uniform Scheduling of Medicines and Poisons (SUSMP):

Scheduled poison

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SECTION 16: OTHER INFORMATION

SDS Date of Issue: 26-04-2017
Replaces: 07-10-2016
Changes made to previous issue: Conversion to GHS format

ACRONYMS and DEFINITIONS:

ACGIH American Conference of Governmental Industrial Hygienists
ADG Code Australian Code for the Transport of Dangerous Goods by Road and Rail
AICS Australian Inventory of Chemical Substances
BEI Biological Exposure Index
CAS Number Chemical Abstracts Service Registry Number
CNS Central nervous system
DG Dangerous Goods
Hazchem Code An emergency action code of numbers and letters, which gives information to emergency services.
IARC International Agency for Research on Cancer
IATA Code International Air Transport Association Code
IMDG Code International Maritime Dangerous Goods Code
N.O.S. Not otherwise specified
NOHSC National Health and Safety Commission
PPE Personal protection equipment
SUSMP Standard for the Uniform Scheduling of Medicines and Poisons
UN Number United Nations Number

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