

SAFETY DATA SHEET

REVISION DATE: 07-25-2016

SUPERSEDES: None

SECTION 1: IDENTIFICATION OF THE PRODUCT AND SUPPLIER
PRODUCT INFORMATION

PRODUCT: FULASEAL 790 MIRROR & METAL
 PRODUCT DESCRIPTION: Silicone sealant
 INTENDED USE: Industrial adhesive
 PRODUCT IDENTIFIER: 841624PM

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

SECTION 2: HAZARDS IDENTIFICATION
GHS Hazard Symbols:


GHS Symbol name(s): Exclamation mark
GHS Signal Word: Warning
GHS Classification: Skin Sensitisation Category 1
GHS Hazard Phrases: May cause an allergic skin reaction.
GHS Precautions:
Safety Precautions: P261 - Avoid breathing dust/fume/gas/mist/vapours/spray.
 Contaminated work clothing should not be allowed out of the workplace.
 Wear protective gloves/protective clothing/eye protection/face protection.
First Aid Measures: IF ON SKIN: Wash with plenty of soap and water. If skin irritation or rash occurs:
 Get medical advice/attention. Wash contaminated clothing before reuse.
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
Amorphous silica	7631-86-9	5 - 10		* (see below)
Silanes	Proprietary	5 - 10	Eye Irrit. 2; H319 Skin Irrit. 2; H315 Skin Sens. 1; H317	
Octamethylcyclotetrasiloxane	556-67-2	0.1 - 1	Aquatic Chronic 4; H413 Acute Tox. 3; H311 Repr. 2; H361	
Methyl ethyl ketoxime	96-29-7	0.1 - 1	Acute Tox. 4; H312 Acute Tox. 4; H302 Carc. 2; H351	

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			Eye Dam. 1; H318 Skin Sens. 1; H317	
Titanium dioxide	13463-67-7	0.1 - 1	Carc. 2; H351	* (see below)
Silane	Proprietary	0.1 - 1	Acute Tox. 4; H302 Skin Corr. 1B; H314 Skin Sens. 1; H317	
Carbon black	1333-86-4	0.1 - 1	Carc. 2; H351	* (see below)
Ingredients determined to be not hazardous		85		

*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. Remove contaminated clothing and launder. Get medical attention if irritation develops or persists.

IF INHALED: Remove to fresh air. 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 Silicon dioxide

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 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.
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SECTION 7: HANDLING AND STORAGE

Handling:	Avoid contacting and avoid breathing the material. Use only in a well ventilated area. This product contains an ingredient that may release formaldehyde at heated cure temperatures. This product contains an ingredient that may react with water or humidity to release methyl ethyl ketoxime (MEKO), CAS#96-29-7. The AIHA WEEL TWA for MEKO is 10 ppm. This product contains an ingredient that may react with water or humidity to release ethanol (64-17-5). The TWA for ethanol is 1000 ppm.
Storage:	Store in a cool, dry place.

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SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION
EXPOSURE LIMITS:

Chemical Name	Note	AUSTRALIAN EXPOSURE LIMITS	ACGIH EXPOSURE LIMITS
Amorphous silica	* (see below)	2 mg/m ³ TWA (respirable dust, listed under Fumed silica) None	No data available.
Titanium dioxide	* (see below)	10 mg/m ³ TWA (containing no asbestos and <1% crystalline silica, inhalable dust) None	10 mg/m ³ TWA
Carbon black	* (see below)	3 mg/m ³ TWA None	3 mg/m ³ TWA (inhalable fraction)

*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)
No data available.	

ENGINEERING CONTROL METHODS:

- VENTILATION:** General room ventilation might be required under normal conditions of use.
- 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 and long sleeved shirt. An apron may be appropriate if splashing can occur.
- GLOVES:** Nitrile
- RESPIRATORY PROTECTION:** No respiratory protection required under normal conditions of use.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

PHYSICAL STATE:	Semi-solid
COLOR:	Colourless
ODOR:	Solvent
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

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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): 95.0

VOC, weight percent Not determined

SECTION 10: STABILITY AND REACTIVITY

STABILITY: Stable under normal conditions.
CHEMICAL INCOMPATIBILITY: Not established
HAZARDOUS POLYMERIZATION: Will not occur.
HAZARDOUS DECOMPOSITION PRODUCTS: Carbon monoxide, carbon dioxide Silicon dioxide

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

COMPONENT NAME	LD50/LC50
Amorphous silica	INHALATION LC50-1H Rat > 2.20 mg/l

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: No irritation hazard in normal industrial use.
Respiratory / skin sensitization: May cause an allergic skin reaction.
Germ cell mutagenicity: No data available.
Carcinogenicity: Contains a material that is suspected of causing cancer.
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
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:
No data available.	Acute Toxicity (Fish): Acute Toxicity (Daphnia): Acute Toxicity (Algae):

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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.

ADG:	NOT REGULATED
IATA:	NOT REGULATED
HazChem Code:	Not applicable

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.
JAPAN ENCS:	This product is in compliance with the Japanese Existing and New Chemical Substances requirements.
KOREAN TCCL:	This product is in compliance with the Korean Existing Chemicals List requirements.
PHILIPPINES:	This product is in compliance with the Philippine Inventory of Chemicals and Chemical Substances requirements.
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.

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

Exempt

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SECTION 16: OTHER INFORMATION

SDS Date of Issue: 25-07-2016
Replaces: None
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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