

Revision date: 06-23-2016

833 (192502)
840963PM

SAFETY DATA SHEET

SECTION 1: IDENTIFICATION OF THE PRODUCT AND SUPPLIER

PRODUCT INFORMATION

PRODUCT: 833 (192502)
PRODUCT DESCRIPTION: Adhesive
INTENDED USE: Adhesive
PRODUCT IDENTIFIER: 840963PM

SUPPLIER INFORMATION

Brazil

Sorocaba Facility:
H.B. Fuller Brasil Ltda.
Rua Prof Joaquim Silva 669, JD. Saira
Sorocaba- SP CEP 18085000
Phone : (55) 15-2102-7215

Colombia

H.B. Fuller Colombia
Centro Ciudad Karga Fase II Rionegro
Paraje Playa Rica 300 metros Glorieta
Aeropuerto Jose María Córdova vía Guarne
Rionegro, Antioquia Colombia
Phone: 574-378-8200

Chile

H.B. Fuller Chile, S.A.
Av. Lo. Espejo 1350
Maipo, Santiago, Chile
Phone: 562-530-4600

Brazil

Curitiba Facility:
Plexbond
Rua Antônio Lacerda Braga, 680, Cidade Industrial,
Curitiba, PR, 81170-240
Phone (55) 41-2108-8800

Argentina

H.B. Fuller Argentina S.A.I.C
Ruta 8, Km. 60, Calle 3 No. 1783
Parque Industrial Pilar
B1629MXA – Pilar – Prov.
Buenos Aires, Argentina
Phone: (54) 2322-536-600

Emergency telephone number: +55 11 21027200

SECTION 2: HAZARDS IDENTIFICATION

GHS Hazard Symbols:



GHS Signal Word:

Danger

GHS Classification:

Respiratory Sensitisation Category 1
Skin Sensitisation Category 1
Germ Cell Mutagenicity Category 1B
Carcinogenicity Category 1B
Skin Corrosion/Irritation Category 2
Serious Eye Damage/Eye Irritation Category 2
Reproductive Toxicity Category 2
Specific Target Organ Systemic Toxicity (STOT) - Repeated Exposure Category 2
Hazardous to the aquatic environment - Acute Category 3

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GHS Hazard Phrases:	Hazardous to the aquatic environment - Chronic Category 3 Causes skin irritation.; May cause an allergic skin reaction.; Causes serious eye irritation.; May cause allergy or asthma symptoms or breathing difficulties if inhaled.; May cause genetic defects.; May cause cancer.; Suspected of damaging fertility or the unborn child.; May cause damage to organs through prolonged or repeated exposure.; Harmful to aquatic life with long lasting effects.
GHS Precautions: Safety Precautions:	Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Do not breathe dust/fume/gas/mist/vapours/spray. Wash thoroughly after handling. Contaminated work clothing should not be allowed out of the workplace. Avoid release to the environment. Wear protective gloves/protective clothing/eye protection/face protection. In case of inadequate ventilation wear respiratory protection.
First Aid Measures:	IF ON SKIN: Wash with plenty of soap and water. IF INHALED: If breathing is difficult, remove victim to fresh air and keep at rest in a position comfortable for breathing. IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. IF exposed or concerned: Get medical advice/attention. Get medical advice/attention if you feel unwell. If experiencing respiratory symptoms: Call a POISON CENTER or doctor/physician. Take off contaminated clothing and wash before reuse.
Storage:	Store locked up.
Disposal:	Dispose of contents/container in accordance with local/regional/national/international regulation for hazardous wastes.

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

Product Description: Adhesive
This product is a mixture.

Chemical Name	CAS #	PERCENT	Classification	Note
Isocyanate prepolymer	42402-37-9	10 - 30	Acute Tox. 4; H332 Carc. 2; H351 Eye Irrit. 2; H319 Resp. Sens. 1; H334 Skin Irrit. 2; H315 Skin Sens. 1; H317 STOT RE 2; H373 STOT SE 3; H335	
Calcium carbonate	471-34-1	10 - 30		* (see below)
Kaolin, calcined	92704-41-1	10 - 30	Aquatic Acute 2; H401	
Toluene	108-88-3	1 - 5	Aquatic Acute 2; H401 Asp. Tox. 1; H304 Acute Tox. 4; H302 Flam. Liq. 2; H225 Repr. 2; H361 Skin Irrit. 2; H315 STOT RE 2; H373 STOT SE 3; H336	
Carbon black	1333-86-4	1 - 5	Carc. 2; H351	* (see below)
Aromatic petroleum distillate	64742-95-6	0.1 - 1	Aquatic Acute 2; H401	

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			Asp. Tox. 1; H304 Carc. 1B; H350 Muta. 1B; H340
Acrylate oligomer	Proprietary	0.1 - 1	Eye Dam. 1; H318 Skin Irrit. 3; H316 Skin Sens. 1; H317 STOT SE 3; H335
Hindered amine light stabilizer	41556-26-7	0.1 - 1	Aquatic Acute 1; H400 Aquatic Chronic 1; H410 Acute Tox. 3; H301 Skin Sens. 1; H317
Decanedioic acid, methyl 1,2,2,6,6-pentamethyl-4-piperidinyl ester	82919-37-7	0.1 - 1	Aquatic Acute 2; H401 Aquatic Chronic 2; H411 Flam. Liq. 4; H227 Skin Sens. 1; H317

*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.

Unlisted components are not classified as hazardous.

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. 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.

NOTES TO DOCTOR:

SECTION 5: FIRE FIGHTING MEASURES

EXTINGUISHING MEDIA:	Use water spray, foam, dry chemical or carbon dioxide.
UNUSUAL FIRE AND EXPLOSION HAZARDS:	There is a possibility of pressure buildup in closed containers when heated. Water spray may be used to cool the containers. 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 Vinyl chloride Chlorine containing gases 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 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 PRECAUTIONS: 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 methanol (67-56-1). The TWA for methanol is 200 ppm.

STORAGE ADVICE: Store in a cool, dry place. This product is a Class 9 dangerous good and must be stored according to the provisions of AS/NZS 4681.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

EXPOSURE LIMITS:

Chemical Name	Note	BRAZILIAN OCCUPATIONAL EXPOSURE LIMITS	ACGIH EXPOSURE LIMITS
Toluene		78 ppm TWA LT; 290 mg/m ³ TWA LT	20 ppm TWA
Calcium oxide, CaO	* (see below)	No data available.	2 mg/m ³ TWA
Carbon black	* (see below)	No data available.	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.

EXPOSURE CONTROL METHODS:

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

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.

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. Skin absorption may potentially contribute to the overall exposure to this material. Appropriate measures should be taken to prevent absorption so that the TLV is not invalidated.

GLOVES: Nitrile

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

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PHYSICAL STATE:	Semi-solid
COLOR:	Black
ODOR:	Aromatic
pH:	Not established
FREEZING/MELTING POINT (°C):	Not established
BOILING POINT (°C):	Not established
FLASH POINT:	Not applicable
EVAPORATION RATE:	Not established
FLAMMABILITY:	Not established
UPPER EXPLOSION LIMIT:	Not established
LOWER EXPLOSION LIMIT:	Not established
VAPOR PRESSURE (mm Hg):	Not established
VAPOR DENSITY:	Not established
RELATIVE DENSITY (WATER=1):	1.300
RELATIVE VAPOR DENSITY (AIR=1):	Not established
OCTANOL/WATER COEFFICIENT:	Not established
AUTOIGNITION TEMPERATURE:	Not established
SOLUBILITY:	Not established
DECOMPOSITION TEMPERATURE:	Not established
VISCOSITY:	No data available.
SOLIDS (% by weight):	100.0
VOC, weight percent	Not determined

SECTION 10: STABILITY AND REACTIVITY

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

SECTION 11: TOXICOLOGICAL INFORMATION

Component Toxicity / Toxicology Data:

COMPONENT NAME	LD50/LC50
Kaolin, calcined	Oral LD50 Rat > 2,000 mg/kg
Toluene	Oral LD50 Rat 636 mg/kg Inhalation LC50 Rat 12.50 mg/l
Calcium oxide, CaO	Oral LD50 Rat 500 mg/kg
P-toluene sulfonyl isocyanate	Oral LD50 Rat 2,234 mg/kg

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

Skin corrosion / irritation:	Can cause moderate skin irritation, defatting, and dermatitis. Not likely to cause permanent damage.
Serious eye damage / irritation:	Can cause moderate irritation, tearing and reddening.

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Respiratory / skin sensitization: May cause allergy or asthma symptoms or breathing difficulties if inhaled.
 Germ cell mutagenicity: May cause genetic defects.
 Carcinogenicity: Contains a material that may cause cancer.
 Reproductive toxicity: Contains a substance that is a possible reproductive hazard based on animal studies.
 Specific target organ toxicity-single exposure: No data available.
 Respiratory irritation / Narcotic effects: May cause respiratory irritation. May cause drowsiness or dizziness.
 Specific target organ toxicity-repeated exposure: No data available.
 Target organs potentially affected by exposure: Reproductive system Liver Central nervous system Lungs Skin
 Aspiration hazard: Not an aspiration hazard.

Medical Conditions Aggravated by Exposure: Liver disease, Lung disease, Persons with existing asthmatic conditions may experience difficulty breathing. Persons who have been sensitized to isocyanates may experience symptoms at very low exposure levels., Skin disease including eczema and sensitization

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:
Kaolin, calcined	Acute Toxicity (Fish): Not established Acute Toxicity (Daphnia): 48 Hr EC50 Daphnia magna: >1 mg/L Acute Toxicity (Algae): 72 Hr EC50 Desmodesmus subspicatus: >100 mg/L
Toluene	Acute Toxicity (Fish): 96 Hr LC50 Pimephales promelas: 15.22 - 19.05 mg/L [flow-through] (1 day old); 96 Hr LC50 Pimephales promelas: 12.6 mg/L [static]; 96 Hr LC50 Oncorhynchus mykiss: 5.89 - 7.81 mg/L [flow-through]; 96 Hr LC50 Oncorhynchus mykiss: 14.1 - 17.16 mg/L [static]; 96 Hr LC50 Oncorhynchus mykiss: 5.8 mg/L [semi-static]; 96 Hr LC50 Lepomis macrochirus: 11.0 - 15.0 mg/L [static]; 96 Hr LC50 Oryzias latipes: 54 mg/L [static]; 96 Hr LC50 Poecilia reticulata: 28.2 mg/L [semi-static]; 96 Hr LC50 Poecilia reticulata: 50.87 - 70.34 mg/L [static] Acute Toxicity (Daphnia): 48 Hr EC50 Daphnia magna: 5.46 - 9.83 mg/L [Static]; 48 Hr EC50 Daphnia magna: 11.5 mg/L Acute Toxicity (Algae): 72 Hr EC50 Pseudokirchneriella subcapitata: 12.5 mg/L [static]
Aromatic petroleum distillate	Acute Toxicity (Fish): 96 Hr LC50 Oncorhynchus mykiss: 9.22 mg/L Acute Toxicity (Daphnia): 48 Hr EC50 Daphnia magna: 6.14 mg/L Acute Toxicity (Algae): Not established

SECTION 13: DISPOSAL CONSIDERATIONS

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Disposal Methods: To the best of our knowledge, this product does not meet the definition of hazardous waste. Dispose of in an approved landfill. Consult your state, local or provincial authorities and your local waste vendor for more restrictive requirements.

SECTION 14: TRANSPORT INFORMATION

Consult Bill of Lading for transportation information.

IATA: UN3077, ENVIRONMENTALLY HAZARDOUS SUBSTANCES, SOLID, N.O.S. (DIOCTYL PHTHALATE), 9, III
 IMDG: UN3077, ENVIRONMENTALLY HAZARDOUS SUBSTANCES, SOLID, N.O.S. (DIOCTYL PHTHALATE), 9, III, MARINE POLLUTANT

SECTION 15: REGULATORY INFORMATION

INVENTORY STATUS

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.

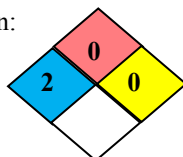
EUROPEAN REACH: As a result of the introduction of REACH into Europe, this product cannot be imported into Europe unless the REACH requirements are met.

AUSTRALIA AICS: This product contains a component that is not on the Australian Inventory (AICS).

Substances of Very High Concern (SVHC) Content:
 Unless listed below, this product does not contain SVHC's.

SECTION 16: OTHER INFORMATION

NFPA classification:



SDS VERSION DATE: 06-23-2016
 DATE PRINTED: 06-23-2016

Prepared by: The Global Regulatory Department
 Phone: 651-236-5842



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