

Print Date: 10-28-2019

FULAFLEX 550 PU LM BLACK  
842637PM**SAFETY DATA SHEET**

REVISION DATE: 10-28-2019

SUPERSEDES: None

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

PRODUCT: FULAFLEX 550 PU LM BLACK  
PRODUCT DESCRIPTION: Polyurethane resin  
INTENDED USE: Industrial adhesive  
PRODUCT IDENTIFIER: 842637PM

**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: 18000 74234  
Emergency Tel NZ: 0800 446 881

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

**GHS Symbol name(s):** Health Hazard  
**GHS Signal Word:** Danger  
**GHS Classification:** Respiratory Sensitisation Category 1  
**GHS Hazard Phrases:** May cause allergy or asthma symptoms or breathing difficulties if inhaled.  
**GHS Precautions:**

**Safety Precautions:** P261 - Avoid breathing dust/fume/gas/mist/vapours/spray.  
In case of inadequate ventilation wear respiratory protection.  
**First Aid Measures:** IF INHALED: If breathing is difficult, remove victim to fresh air and keep at rest in a position comfortable for breathing. If experiencing respiratory symptoms: Call a POISON CENTER or doctor/physician.  
**Disposal:** Dispose of contents/container in accordance with local/regional/national/international regulation for chemical wastes.

**SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS**

Chemical Name	CAS #	PERCENT	Classification	Note
Ethyl acetate	141-78-6	1 - 5	Eye Irrit. 2; H319 Flam. Liq. 2; H225 STOT SE 3; H335, H336	
Polymethylene polyphenyl isocyanate	9016-87-9	0.1 - 1	Acute Tox. 4; H332 Eye Irrit. 2; H319 Resp. Sens. 1; H334 Skin Irrit. 2; H315 Skin Sens. 1; H317 STOT RE 2; H373	

Print Date: 10-28-2019

FULAFLEX 550 PU LM BLACK  
842637PM

### SAFETY DATA SHEET

Methylene bisphenyl diisocyanate (MDI)	101-68-8	0.1 - 1	STOT SE 3; H335, H336 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, H336
Ingredients determined to be not hazardous		91	

#### 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.

#### SECTION 5: FIRE FIGHTING MEASURES

<b>EXTINGUISHING MEDIA:</b>	Use water spray, foam, dry chemical or carbon dioxide.
<b>UNUSUAL FIRE AND EXPLOSION HAZARDS:</b>	Material will burn in a fire.
<b>SPECIAL FIRE FIGHTING INSTRUCTIONS:</b>	Persons exposed to products of combustion should wear self-contained breathing apparatus and full protective equipment.
<b>HAZARDOUS COMBUSTION PRODUCTS:</b>	Carbon dioxide, Carbon monoxide

#### SECTION 6: ACCIDENTAL RELEASE MEASURES

<b>SPECIAL PROTECTION:</b>	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.
----------------------------	--

#### SECTION 7: HANDLING AND STORAGE

<b>Handling:</b>	Avoid contacting and avoid breathing the material. Use only in a well ventilated area.
<b>Storage:</b>	Store in a cool, dry place.

#### SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

##### EXPOSURE LIMITS:

Chemical Name	Note	AUSTRALIAN EXPOSURE LIMITS	ACGIH EXPOSURE LIMITS
Xylene		80 ppm TWA; 350 mg/m <sup>3</sup> TWA 150 ppm STEL; 655 mg/m <sup>3</sup> STEL	100 ppm TWA 150 ppm STEL
Ethyl acetate		200 ppm TWA; 720 mg/m <sup>3</sup> TWA 400 ppm STEL; 1440 mg/m <sup>3</sup> STEL	400 ppm TWA
Polymethylene polyphenyl		0.02 mg/m <sup>3</sup> TWA (as NCO, listed under	No data available.

**SAFETY DATA SHEET**

isocyanate		Isocyanates, all) 0.07 mg/m3 STEL (as NCO, listed under Isocyanates, all)	
Methylene bisphenyl diisocyanate (MDI)		0.02 mg/m3 TWA (as NCO, listed under Isocyanates, all) 0.07 mg/m3 STEL (as NCO, listed under Isocyanates, all)	0.005 ppm TWA (listed under Methylene bisphenyl isocyanate (MDI))

**Biological Limit Values (ACGIH)**

Chemical Name	ACGIH Biological Exposure Index (BEI)
Xylene	1.5 g/g creatinine Medium: urine Time: end of shift Parameter: Methylhippuric acids

**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 and long sleeved shirt. An apron may be appropriate if splashing can occur.
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:	Black
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.):	10.01
SPECIFIC GRAVITY:	1.200
SOLUBILITY:	Not established
OCTANOL/WATER COEFFICIENT:	Not established
AUTOIGNITION TEMPERATURE:	Not established
DECOMPOSITION TEMPERATURE:	Not established

Print Date: 10-28-2019

FULAFLEX 550 PU LM BLACK  
842637PM

### SAFETY DATA SHEET

VISCOSITY: No data available.  
SOLIDS (% by weight): 90.0

#### SECTION 10: STABILITY AND REACTIVITY

STABILITY: Stable under normal conditions.  
CHEMICAL INCOMPATIBILITY: Strong oxidizing agents  
HAZARDOUS POLYMERIZATION: Will not occur.  
HAZARDOUS DECOMPOSITION PRODUCTS: Carbon monoxide, carbon dioxide

#### SECTION 11: TOXICOLOGICAL INFORMATION

##### Component Toxicity / Toxicology Data:

COMPONENT NAME	LD50/LC50
Xylene	Oral LD50 Rat 4,300 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: No irritation hazard in normal industrial use.

Respiratory / skin sensitization: May cause allergy or asthma symptoms or breathing difficulties if inhaled.

Germ cell mutagenicity: No data available.

Carcinogenicity: No data available.

Reproductive toxicity: Contains a substance that is a probable reproductive hazard based on human studies.

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: Kidneys Liver Central nervous system Lungs Skin

Aspiration hazard: Not an aspiration hazard.

Medical Conditions Aggravated by Exposure: Liver disease, Kidney disease, Blood disorders (like anemia), Skin disease including eczema and sensitisation, Lung disease, Persons with existing asthmatic conditions may experience difficulty breathing. Persons who have been sensitised to isocyanates may experience symptoms at very low exposure levels.

#### 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:
Xylene	<p><b>Acute Toxicity (Fish):</b> 96 Hr LC50 Pimephales promelas: 13.4 mg/L [flow-through]; 96 Hr LC50 Oncorhynchus mykiss: 2.661 - 4.093 mg/L [static]; 96 Hr LC50 Oncorhynchus mykiss: 13.5 - 17.3 mg/L; 96 Hr LC50 Lepomis macrochirus: 13.1 - 16.5 mg/L [flow-through]; 96 Hr LC50 Lepomis macrochirus: 19 mg/L; 96 Hr LC50 Lepomis macrochirus: 7.711 - 9.591 mg/L [static]; 96 Hr LC50 Pimephales promelas: 23.53 - 29.97 mg/L [static]; 96 Hr LC50 Poecilia reticulata: 30.26 - 40.75 mg/L [static]</p> <p><b>Acute Toxicity (Daphnia):</b> EC50 48 h water flea 3.82 mg/L; LC50 48 h Gammarus</p>

**SAFETY DATA SHEET**

	lacustris 0.6 mg/L <b>Acute Toxicity (Algae):</b> Not established
--	--

**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
IMDG:	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.

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

**SECTION 16: OTHER INFORMATION**

SDS Date of Issue: 28-10-2019

**SAFETY DATA SHEET**

---

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

Prepared by: The Global Regulatory Department Phone: 1-651-236-5842

The information and recommendations set forth herein are believed to be accurate. Because some of the information is derived from information provided to H.B. Fuller Company Australia Pty. Ltd. from its suppliers, and because H.B. Fuller Company Australia Pty. Ltd. has no control over the conditions of handling and use, H.B. Fuller Company Australia Pty. Ltd. makes no warranty, expressed or implied, regarding the accuracy of the data or the results to be obtained from the use thereof. The information is supplied solely for your information and consideration, and H.B. Fuller Company Australia Pty. Ltd. assumes no responsibility for use or reliance thereon. It is the responsibility of the user of H.B. Fuller Company Australia Pty. Ltd. products to comply with all applicable federal, state and local laws and regulations.