

SAFETY DATA SHEET

REVISION DATE: 01-28-2020

SUPERSEDES: 01-27-2020

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

PRODUCT: FOSTER 90-66 PART B
PRODUCT DESCRIPTION: Sealer/coating
INTENDED USE: Adhesive
PRODUCT IDENTIFIER: 802432PM

COMPANY INFORMATION

H.B. Fuller Company
1200 Willow Lake Boulevard
Vadnais Heights, MN 55110
Telephone: 888-423-8553

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

SECTION 2: HAZARDS IDENTIFICATION**GHS Hazard Symbols:****GHS Signal Word:** Danger**GHS Classification:** Germ Cell Mutagenicity Category 1B; Carcinogenicity Category 1B; Skin Corrosion/Irritation Category 2; Reproductive Toxicity Category 2; Specific Target Organ Systemic Toxicity (STOT) - Repeated Exposure Category 2; Hazardous to the aquatic environment - Acute Category 2; Flammable Liquid Category 3; Hazardous to the aquatic environment - Chronic Category 3**GHS Hazard Phrases:** Flammable liquid and vapour.; Causes skin irritation.; 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.; Toxic to aquatic life.; 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. Keep away from heat/sparks/open flames/hot surfaces. – No smoking. Keep container tightly closed. Ground/bond container and receiving equipment. Use explosion-proof electrical/ventilating/lighting equipment. Use only non-sparking tools. Take precautionary measures against static discharge. Do not breathe dust/fume/gas/mist/vapours/spray. Wash thoroughly after handling. Avoid release to the environment. Wear protective gloves/protective clothing/eye protection/face protection.**First Aid Measures:** IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower. IF exposed or concerned: Get medical advice/attention. Get medical advice/attention if you feel unwell. P362+P364 - Take off contaminated clothing and wash it before reuse. In case of fire: Use water spray, foam, dry chemical or carbon dioxide to extinguish.**Storage:** Keep container tightly closed. Store in a well-ventilated place. Keep cool. Store locked

SAFETY DATA SHEET

Disposal: up.
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
Carbon black	1333-86-4	30 - 50	Carc. 2; H351	* (see below)
Toluene	108-88-3	5 - 10	Asp. Tox. 1; H304 Flam. Liq. 2; H225 Repr. 2; H361 Skin Irrit. 2; H315 STOT RE 2; H373 STOT SE 3; H335, H336	
Trimethylbenzene, 1,2,4-	95-63-6	5 - 10	Aquatic Chronic 2; H411 Acute Tox. 4; H332 Eye Irrit. 2; H319 Flam. Liq. 3; H226 Skin Irrit. 2; H315 STOT SE 3; H335, H336	
Manganese compounds	1313-13-9	5 - 10	Acute Tox. 4; H332 Acute Tox. 4; H302	* (see below)
Aromatic petroleum distillate	64742-95-6	1 - 5	Asp. Tox. 1; H304 Flam. Liq. 1; H224	Note P
Polybutene	9003-29-6	1 - 5	Aquatic Chronic 4; H413	
Hydrogenated terphenyls	61788-32-7	1 - 5	Aquatic Chronic 4; H413	
Terphenyls	26140-60-3	0.1 - 1	Aquatic Chronic 1; H410	

*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. This product contains carbon black, which is hazardous when present as an airborne dust. As provided, and during normal use of this product, this substance is encapsulated within the product. As such, it is considered to be inextricably bound, and not readily available for exposure.

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: Immediately 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 and monitor the eye daily as advised by your physician.

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 immediately. Drink two glasses of water or milk to dilute. Do not give anything by mouth to an unconscious person. Induced vomiting may lead to aspiration of the material into the lungs potentially causing chemical pneumonitis that may be fatal.

SAFETY DATA SHEET

SECTION 5: FIRE FIGHTING MEASURES

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 Manganese 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. Evaporation of volatile substances can lead to the displacement of air creating an environment that can cause asphyxiation.
METHODS FOR CLEAN-UP:	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:	<p>Avoid contacting and avoid breathing the material. Use only in a well ventilated area.</p> <p>Keep away from heat, sparks and flame.</p> <p>Wash thoroughly after handling.</p> <p>Keep container closed.</p> <p>Emptied container retains vapor and product residue.</p> <p>Observe all labeled precautions until container is cleaned.</p> <p>Drums of this material should be grounded when pouring.</p> <p>DO NOT CUT OR WELD ON OR NEAR THIS CONTAINER.</p>
-----------	--

Storage:	Store in a cool, dry, ventilated location. Keep away from heat, sparks, flame and other sources of ignition. Keep container closed.
Consult the Technical Data Sheet for specific storage instructions.	

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

EXPOSURE LIMITS:

Chemical Name	Note	ACGIH EXPOSURE LIMITS	OSHA PEL
Carbon black	* (see below)	3 mg/m ³ TWA (inhalable particulate matter)	3.5 mg/m ³ TWA
Toluene		20 ppm TWA	200 ppm TWA 300 ppm Ceiling
Hydrogenated terphenyls		0.5 ppm TWA (non-irradiated)	Not established
Cumene		50 ppm TWA	50 ppm TWA; 245 mg/m ³ TWA Skin absorption may potentially contribute to

SAFETY DATA SHEET

			the overall exposure to this material.
--	--	--	--

*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. This product contains carbon black, which is hazardous when present as an airborne dust. As provided, and during normal use of this product, this substance is encapsulated within the product. As such, it is considered to be inextricably bound, and not readily available for exposure.

ENGINEERING CONTROL METHODS:

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

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

PHYSICAL STATE:	Liquid
COLOR:	Black
ODOR:	Solvent
ODOR THRESHOLD:	Not established
pH:	Not established
FREEZING/MELTING POINT (deg. C):	Not established
BOILING POINT (deg. C):	Not established
FLASH POINT:	24°C; 75°F Pensky-Martens
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.):	9.60
SPECIFIC GRAVITY:	1.150
SOLUBILITY:	Not established
OCTANOL/WATER COEFFICIENT:	Not established
AUTOIGNITION TEMPERATURE:	Not established
DECOMPOSITION TEMPERATURE:	Not established
VISCOSITY:	No data available.
SOLIDS (% by weight):	75.0

Print Date: 01-29-2020

FOSTER 90-66 PART B
802432PM

SAFETY DATA SHEET

VOC, weight percent	24.90
VOC, U.S. EPA Method 24, less water and exempt solvents (theoretically determined)	286g/liter of material

SECTION 10: STABILITY AND REACTIVITY

STABILITY:	Stable under normal conditions.
CONDITIONS TO AVOID:	Oxidizing conditions. Contamination
CHEMICAL INCOMPATIBILITY:	Not established
HAZARDOUS POLYMERIZATION:	Will not occur.
HAZARDOUS DECOMPOSITION PRODUCTS:	Carbon monoxide, carbon dioxide Manganese dioxide

SECTION 11: TOXICOLOGICAL INFORMATION

Component Toxicity / Toxicology Data:

COMPONENT NAME	LD50/LC50
Toluene	Oral LD50 Rat 636 mg/kg Inhalation LC50 Rat 12.50 mg/l
Trimethylbenzene, 1,2,4-	Oral LD50 Rat 3,280 mg/kg Inhalation LC50 Rat 18.00 G/M3 Dermal LD50 Rabbit > 3,160.00 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: No irritation hazard in normal industrial use.

Respiratory/skin sensitization: No data available.

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: No data available.

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

Target organs potentially affected by exposure: Lungs Reproductive system Liver Central nervous system Blood Kidneys Hemato System

Aspiration hazard: Not an aspiration hazard.

Medical Conditions Aggravated by Exposure: Lung disease, Liver disease, Blood disorders (like anemia), Kidney 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.

SAFETY DATA SHEET

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

Component:	Ecotoxicity values:
Toluene	<p>Acute Toxicity (Fish): LC50 96 h Pimephales promelas 15.22 - 19.05 mg/L [flow-through] (1 day old, EPA); LC50 96 h Pimephales promelas 12.6 mg/L [static] (EPA); LC50 96 h Oncorhynchus mykiss 5.89 - 7.81 mg/L [flow-through] (EPA); LC50 96 h Oncorhynchus mykiss 14.1 - 17.16 mg/L [static] (EPA); LC50 96 h Oncorhynchus mykiss 5.8 mg/L [semi-static] (EPA); LC50 96 h Lepomis macrochirus 11.0 - 15.0 mg/L [static] (EPA); LC50 96 h Oryzias latipes 54 mg/L [static] (EPA); LC50 96 h Poecilia reticulata 28.2 mg/L [semi-static] (EPA); LC50 96 h Poecilia reticulata 50.87 - 70.34 mg/L [static] (EPA)</p> <p>Acute Toxicity (Daphnia): EC50 48 h Daphnia magna 5.46 - 9.83 mg/L [Static] (EPA); EC50 48 h Daphnia magna 11.5 mg/L (IUCLID)</p> <p>Acute Toxicity (Algae): 72 Hr EC50 Pseudokirchneriella subcapitata: 12.5 mg/L [static]</p>
Trimethylbenzene, 1,2,4-	<p>Acute Toxicity (Fish): LC50 96 h Pimephales promelas 7.19 - 8.28 mg/L [flow-through] (EPA)</p> <p>Acute Toxicity (Daphnia): EC50 48 h Daphnia magna 6.14 mg/L (IUCLID)</p> <p>Acute Toxicity (Algae): Not established</p>
Aromatic petroleum distillate	<p>Acute Toxicity (Fish): LC50 96 h Oncorhynchus mykiss 9.22 mg/L (IUCLID)</p> <p>Acute Toxicity (Daphnia): EC50 48 h Daphnia magna 6.14 mg/L (IUCLID)</p> <p>Acute Toxicity (Algae): Not established</p>
Aromatic petroleum distillate	<p>Acute Toxicity (Fish): LC50 96 h Oncorhynchus mykiss 9.22 mg/L (IUCLID)</p> <p>Acute Toxicity (Daphnia): EC50 48 h Daphnia magna 6.14 mg/L (IUCLID)</p> <p>Acute Toxicity (Algae): Not established</p>
Hydrogenated terphenyls	<p>Acute Toxicity (Fish): LC50 96 h Pimephales promelas >0.53 mg/L [static] (IUCLID); LC50 96 h Lepomis macrochirus >0.53 mg/L [static] (IUCLID); LC50 96 h Oncorhynchus mykiss >0.53 mg/L [static] (IUCLID)</p> <p>Acute Toxicity (Daphnia): EC50 48 h Daphnia magna 0.011 mg/L (IUCLID)</p> <p>Acute Toxicity (Algae): EC50 96 h Pseudokirchneriella subcapitata >0.53 mg/L (IUCLID)</p>

SECTION 13: DISPOSAL CONSIDERATIONS

To the best of our knowledge, this product does not meet the definition of hazardous waste under the U.S. EPA Hazardous Waste Regulations 40 CFR 261. Dispose of in an approved landfill. Consult your state, local or provincial authorities and your local waste vendor for more restrictive requirements.

LAND DISPOSAL RESTRICTIONS: Toluene

SECTION 14: TRANSPORT INFORMATION

Consult Bill of Lading for transportation information.

US DOT: UN1139, COATING SOLUTION, 3, III, MARINE POLLUTANT (TERPHENYLS)

IATA: UN1139, COATING SOLUTION, 3, III, MARINE POLLUTANT (TERPHENYLS)

IMDG: UN1139, COATING SOLUTION, 3, III, MARINE POLLUTANT (TERPHENYLS), FLASH POINT 24°C C.C., EMS F-E, S-D

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

Print Date: 01-29-2020

FOSTER 90-66 PART B
802432PM**SAFETY DATA SHEET**

AUSTRALIA AICS:	met. This product is in compliance with the Australian Inventory of Chemical Substances requirements.
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 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 reg.request@hbfuller.com to request an export review.

FEDERAL REPORTING

*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. This product contains carbon black, which is hazardous when present as an airborne dust. As provided, and during normal use of this product, this substance is encapsulated within the product. As such, it is considered to be inextricably bound, and not readily available for exposure.

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#	%
Toluene	108-88-3	5 - 10
1,2,4-Trimethylbenzene	95-63-6	5 - 10
Manganese compounds	1313-13-9	5 - 10
Cumene	98-82-8	0.1 - 1

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
Carbon black (Carcinogen)	1333-86-4	30 - 50
Cumene (Carcinogen)	98-82-8	0.1 - 1
Toluene (Developmental toxin)	108-88-3	5 - 10
Benzene, methyl- (Female reproductive toxin)	108-88-3	5 - 10

Substances of Very High Concern (SVHC) Content:

Unless listed below, this product does not contain SVHC's at 0.1% or greater, as of the version date of this SDS.
Terphenyl, hydrogenated

SAFETY DATA SHEET

SECTION 16: OTHER INFORMATION

SDS VERSION DATE: 01-28-2020

This 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-- 3 REACTIVITY -- 0

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

Prepared by: The Global Regulatory Department

Phone: 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 Construction Products, Inc. from its suppliers, and because H.B. Fuller Construction Products, Inc. has no control over the conditions of handling and use, H.B. Fuller Construction Products, Inc. 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 Construction Products, Inc. assumes no responsibility for use or reliance thereon. It is the responsibility of the user of H.B. Fuller Construction Products, Inc. products to comply with all applicable federal, state and local laws and regulations.