

**SAFETY DATA SHEET****Foster® 90-66A**

Version 1.1

Revision Date 08/07/2024

**SECTION 1. PRODUCT AND COMPANY IDENTIFICATION**

Product name : Foster® 90-66A  
Product code : 100000015061

**Manufacturer or supplier's details**

Company : H.B. Fuller Company  
Address : 1200 Willow Lake Boulevard  
Vadnais Heights, MN 55110  
Telephone : 1-888-423-8553

Medical Emergency Phone Number (24 Hours): 1-888-853-1758

Transport Emergency Phone Number (CHEMTREC): 1-800-424-9300

**Recommended use of the chemical and restrictions on use**

Recommended use : Solvent based adhesive  
Restrictions on use : For industrial use only.

**SECTION 2. HAZARDS IDENTIFICATION****Emergency Overview**

Appearance	liquid
Color	black

**GHS Classification**

Flammable liquids : Category 2  
Skin irritation : Category 2  
Skin sensitization : Category 1  
Germ cell mutagenicity : Category 2  
Carcinogenicity : Category 2  
Reproductive toxicity : Category 2  
Specific target organ toxicity - repeated exposure : Category 2  
Aspiration hazard : Category 1

**GHS label elements**

Hazard pictograms :   

Signal Word : Danger

## SAFETY DATA SHEET

## Foster® 90-66A

Version 1.1

Revision Date 08/07/2024

**Hazard Statements:**

H225 Highly flammable liquid and vapor. H304 May be fatal if swallowed and enters airways. H315 Causes skin irritation. H317 May cause an allergic skin reaction. H341 Suspected of causing genetic defects. H351 Suspected of causing cancer. H361d Suspected of damaging the unborn child. H373 May cause damage to organs through prolonged or repeated exposure.

**Precautionary Statements:**

**Prevention:** P201 Obtain special instructions before use. P202 Do not handle until all safety precautions have been read and understood. P210 Keep away from heat/ sparks/ open flames/ hot surfaces. No smoking. P233 Keep container tightly closed. P240 Ground/bond container and receiving equipment. P241 Use explosion-proof electrical/ ventilating/ lighting/ equipment. P242 Use only non-sparking tools. P243 Take precautionary measures against static discharge. P260 Do not breathe mist or vapors. P264 Wash skin thoroughly after handling. P272 Contaminated work clothing must not be allowed out of the workplace. P280 Wear protective gloves/ protective clothing/ eye protection/ face protection.

**Response:** P301 + P310 IF SWALLOWED: Immediately call a POISON CENTER/ doctor. P303 + P361 + P353 IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/ shower. P308 + P313 IF exposed or concerned: Get medical advice/ attention. P331 Do NOT induce vomiting. P333 + P313 If skin irritation or rash occurs: Get medical advice/ attention. P362 Take off contaminated clothing and wash before reuse. P370 + P378 In case of fire: Use dry sand, dry chemical or alcohol-resistant foam to extinguish.

**Storage:** P403 + P235 Store in a well-ventilated place. Keep cool. P405 Store locked up.

**Disposal:** P501 Dispose of contents/ container to an approved waste disposal plant.

**Potential Health Effects****Carcinogenicity:**

<b>IARC</b>	Group 2B: Possibly carcinogenic to humans
	Carbon black 1333-86-4
	cumene 98-82-8
<b>OSHA</b>	No component of this product present at levels greater than or equal to 0.1% is on OSHA's list of regulated carcinogens.
<b>NTP</b>	Reasonably anticipated to be a human carcinogen
	cumene 98-82-8

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

Substance / Mixture : Mixture

**Hazardous ingredients**

Chemical name	CAS-No.	Concentration [%]
Carbon black	1333-86-4	30 - 50
Hydrocarbons C9, aromatics	64742-95-6	10 - 20
Toluene	108-88-3	5 - 10
Solvent naphtha (petroleum), light arom.	64742-95-6	5 - 10

**SAFETY DATA SHEET****Foster® 90-66A**

Version 1.1

Revision Date 08/07/2024

trimethylbenzene	25551-13-7	1 - 5
1,2,4-trimethylbenzene	95-63-6	1 - 5
p-benzoquinone dioxime	105-11-3	1 - 5
mesitylene	108-67-8	1 - 5
cumene	98-82-8	0.1 - 1

Actual concentration is withheld as a trade secret

**SECTION 4. FIRST AID MEASURES**

- General advice : Show this material safety data sheet to the doctor in attendance.
- If inhaled : Move to fresh air.  
If symptoms persist, call a physician.
- In case of skin contact : Wash off with soap and water.  
Get medical attention if irritation develops and persists.
- In case of eye contact : Flush eyes with water at least 15 minutes. Get medical attention if eye irritation develops or persists.
- If swallowed : Do NOT induce vomiting.  
If victim is fully conscious, give a cupful of water.  
Never give anything by mouth to an unconscious person.  
Obtain medical attention.
- Most important symptoms and effects, both acute and delayed : May be fatal if swallowed and enters airways.  
Causes skin irritation.  
May cause an allergic skin reaction.  
Suspected of causing genetic defects.  
Suspected of causing cancer.  
Suspected of damaging the unborn child.  
May cause damage to organs through prolonged or repeated exposure.

**SECTION 5. FIRE-FIGHTING MEASURES**

- Suitable extinguishing media : Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.
- Specific hazards during fire fighting : Cool closed containers exposed to fire with water spray.
- Special protective equipment for fire-fighters : In the event of fire, wear self-contained breathing apparatus.  
Use personal protective equipment.

**SAFETY DATA SHEET**
**Foster® 90-66A**

Version 1.1

Revision Date 08/07/2024

**SECTION 6. ACCIDENTAL RELEASE MEASURES**

- Personal precautions, protective equipment and emergency procedures : Remove all sources of ignition.  
 Beware of vapors accumulating to form explosive concentrations. Vapors can accumulate in low areas.  
 Refer to protective measures listed in sections 7 and 8.
- Environmental precautions : Prevent spreading over a wide area (e.g., by containment or oil barriers).
- Methods and materials for containment and cleaning up : Soak up with inert absorbent material.  
 Sweep up and shovel into suitable containers for disposal.  
 Non-sparking tools should be used.

**SECTION 7. HANDLING AND STORAGE**

- Local/Total ventilation : Use only with adequate ventilation.
- Advice on safe handling : Avoid inhalation of vapor or mist.  
 Do not use in areas without adequate ventilation.  
 Keep away from fire, sparks and heated surfaces.  
 Keep container closed when not in use.  
 Take precautionary measures against static discharges.
- Conditions for safe storage : Take measures to prevent the build up of electrostatic charge.  
 Use explosion-proof equipment.  
 Keep containers tightly closed in a dry, cool and well-ventilated place.  
 Keep away from sources of ignition - No smoking.  
 Solvent vapors are heavier than air and may spread along floors.
- Materials to avoid : Strong oxidizing agents

**SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION**
**Ingredients with workplace control parameters**

Components	CAS-No.	Value type (Form of exposure)	Control parameters / Permissible concentration	Basis
Carbon black	1333-86-4	TWA	3.5 mg/m <sup>3</sup>	ACGIH
		TWA	3.5 mg/m <sup>3</sup>	OSHA Z-1
		TWA	3.5 mg/m <sup>3</sup>	OSHA P0
		TWA (Inhalable)	3 mg/m <sup>3</sup>	ACGIH

**SAFETY DATA SHEET**
**Foster® 90-66A**

Version 1.1

Revision Date 08/07/2024

		particulate matter)		
		PEL	3.5 mg/m <sup>3</sup>	CAL PEL
Toluene	108-88-3	TWA	20 ppm	ACGIH
		TWA	100 ppm 375 mg/m <sup>3</sup>	NIOSH REL
		TWA	100 ppm 375 mg/m <sup>3</sup>	NIOSH REL
		ST	150 ppm 560 mg/m <sup>3</sup>	NIOSH REL
		ST	150 ppm 560 mg/m <sup>3</sup>	NIOSH REL
		TWA	200 ppm	OSHA Z-2
		CEIL	300 ppm	OSHA Z-2
		Peak	500 ppm	OSHA Z-2
		STEL	150 ppm 560 mg/m <sup>3</sup>	OSHA P0
		TWA	100 ppm 375 mg/m <sup>3</sup>	OSHA P0
		PEL	10 ppm 37 mg/m <sup>3</sup>	CAL PEL
		C	500 ppm	CAL PEL
		STEL	150 ppm 560 mg/m <sup>3</sup>	CAL PEL
Solvent naphtha (petroleum), light arom.	64742-95-6	TWA	500 ppm 2,000 mg/m <sup>3</sup>	OSHA Z-1
		TWA	200 mg/m <sup>3</sup>	ACGIH
		TWA	400 ppm 1,600 mg/m <sup>3</sup>	OSHA P0
trimethylbenzene	25551-13-7	TWA	25 ppm	ACGIH
		TWA	25 ppm 125 mg/m <sup>3</sup>	OSHA P0
		TWA	10 ppm	ACGIH
1,2,4-trimethylbenzene	95-63-6	TWA	10 ppm	ACGIH
mesitylene	108-67-8	TWA	25 ppm 125 mg/m <sup>3</sup>	NIOSH REL
		TWA	25 ppm 125 mg/m <sup>3</sup>	NIOSH REL
		TWA	10 ppm	ACGIH
		TWA	25 ppm 125 mg/m <sup>3</sup>	OSHA P0
		PEL	25 ppm 125 mg/m <sup>3</sup>	CAL PEL
cumene	98-82-8	TWA	5 ppm	ACGIH
		TWA	50 ppm 245 mg/m <sup>3</sup>	NIOSH REL
		TWA	50 ppm 245 mg/m <sup>3</sup>	OSHA Z-1
		TWA	50 ppm 245 mg/m <sup>3</sup>	OSHA P0

**SAFETY DATA SHEET**
**Foster® 90-66A**

Version 1.1

Revision Date 08/07/2024

		PEL	50 ppm 245 mg/m3	CAL PEL
--	--	-----	---------------------	---------

**Engineering measures** : Use local exhaust ventilation or other engineering controls to minimize exposures.

**Personal protective equipment**

Respiratory protection : Use respiratory protection unless adequate risk management measures (exhaust/ ventilation) are provided or exposure assessment demonstrates that exposures are within recommended exposure guidelines.

Filter type : Organic vapor Type

Hand protection  
Material : Nitrile rubber

Eye protection : Safety glasses with side-shields

Hygiene measures : Avoid contact with skin, eyes and clothing.  
Provide adequate ventilation.

**SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES**

Appearance : liquid  
 Color : black  
 Odor Threshold : no data available  
 pH : Not applicable  
 Melting point/freezing point : is not determined  
 Boiling point/boiling range : is not determined  
 Flash point : 60 °C Method: Tag closed cup  
 Evaporation rate : is not determined  
 Upper explosion limit : Upper flammability limit  
 is not determined  
 Lower explosion limit : Lower flammability limit  
 is not determined  
 Vapor pressure : is not determined  
 Density : 9.3 - 9.9 lb/gal  
 Solubility(ies)  
 Water solubility : is not determined  
 Partition coefficient: n-  
 octanol/water : no data available  
 Autoignition temperature : is not determined

**SAFETY DATA SHEET****Foster® 90-66A**

Version 1.1

Revision Date 08/07/2024

Viscosity  
Viscosity, kinematic :  
is not determined  
VOC, less water, in g/l : 318

**SECTION 10. STABILITY AND REACTIVITY**

Chemical stability : The product is chemically stable.  
Possibility of hazardous reactions : Hazardous polymerization does not occur.  
Conditions to avoid : Heat, flames and sparks.  
Hazardous decomposition products : Stable under normal conditions.

**SECTION 11. TOXICOLOGICAL INFORMATION****Acute toxicity****Product:**

Acute oral toxicity : Acute toxicity estimate : > 5,000 mg/kg  
Method: Calculation method  
Acute inhalation toxicity : Acute toxicity estimate : > 200 mg/l  
Exposure time: 4 Hours  
Test atmosphere: vapor  
Method: Calculation method  
Acute dermal toxicity : Acute toxicity estimate : > 5,000 mg/kg  
Method: Calculation method

**Components:****Toluene:**

Acute oral toxicity : LD50 Oral Rat: 5,580 mg/kg  
Acute inhalation toxicity : LC50 Rat: 12.5 mg/l  
Exposure time: 4 h

**Solvent naphtha (petroleum), light arom.:**

Acute inhalation toxicity : LC50 Rat: > 5.2 mg/l  
Exposure time: 4 h  
Test atmosphere: vapor

**SAFETY DATA SHEET****Foster® 90-66A**

Version 1.1

Revision Date 08/07/2024

Acute dermal toxicity : LD50 Dermal Rabbit: &gt; 2,000 mg/kg

**1,2,4-trimethylbenzene:**

Acute oral toxicity : LD50 Oral Rat: 3,400 mg/kg

Acute inhalation toxicity : LC50 Rat: 18 mg/l  
Exposure time: 4 h  
Test atmosphere: vapor

Acute dermal toxicity : LD50 Dermal Rabbit: &gt; 3,160 mg/kg

**cumene:**

Acute oral toxicity : LD50 Oral Rat: 1,400 mg/kg

**Skin corrosion/irritation**

No data available

**Serious eye damage/eye irritation**

No data available

**Respiratory or skin sensitization**

No data available

**Germ cell mutagenicity**

No data available

**Carcinogenicity**

No data available

**Reproductive toxicity**

No data available

**STOT-single exposure**

No data available

**STOT-repeated exposure**

No data available

**Aspiration toxicity**

No data available

**SECTION 12. ECOLOGICAL INFORMATION****Ecotoxicity****Components:**



## SAFETY DATA SHEET

**Foster® 90-66A**

Version 1.1

Revision Date 08/07/2024

**Solvent naphtha (petroleum), light arom. :**

Toxicity to fish : LC50 (Oncorhynchus mykiss (rainbow trout)): 9.22 mg/l  
Exposure time: 96 h  
Test Method: static test

Toxicity to daphnia and other aquatic invertebrates : EC50 (Daphnia magna (Water flea)): 6.14 mg/l  
Exposure time: 48 h  
Test Method: static test

**1,2,4-trimethylbenzene :**

Toxicity to fish : LC50 (Pimephales promelas (fathead minnow)): 7.19 - 8.28 mg/l  
Exposure time: 96 h  
Test Method: flow-through test

Toxicity to daphnia and other aquatic invertebrates : EC50 (Daphnia magna (Water flea)): 6.14 mg/l  
Exposure time: 48 h  
Test Method: static test

**mesitylene :**

Toxicity to fish : LC50 (Pimephales promelas (fathead minnow)): 3.48 mg/l  
Exposure time: 96 h  
Test Method: static test

Toxicity to daphnia and other aquatic invertebrates : EC50 (Daphnia magna (Water flea)): 50 mg/l  
Exposure time: 24 h  
Test Method: static test

**cumene :**

Toxicity to fish : LC50 (Oncorhynchus mykiss (rainbow trout)): 2.7 mg/l  
Exposure time: 96 h  
Test Method: semi-static test

Toxicity to daphnia and other aquatic invertebrates : EC50 (Daphnia magna (Water flea)): 0.6 mg/l  
Exposure time: 48 h  
Test Method: static test

Toxicity to algae : EC50 (Pseudokirchneriella subcapitata (microalgae)): 2.6 mg/l  
Exposure time: 72 h  
Test Type: flow-through test

**Persistence and degradability**

No data available

**Bioaccumulative potential****Components:****1,2,4-trimethylbenzene :**

Partition coefficient: n-octanol/water : log Pow: 3.78

**cumene :**

**SAFETY DATA SHEET****Foster® 90-66A**

Version 1.1

Revision Date 08/07/2024

Partition coefficient: n-  
octanol/water : log Pow: 3.66**Mobility in soil**

No data available

**Other adverse effects**

No data available

**SECTION 13. DISPOSAL CONSIDERATIONS****Disposal methods**

Waste from residues : This product meets the definition of hazardous waste under the U.S. EPA Hazardous Waste Regulations 40 CFR 261. It is ignitable waste class D001. Disposal via incineration is recommended. Consult your state, local, or provincial authorities for more restrictive requirements. The hazard and precautionary statements displayed on the label also apply to any residues left in the container.

**SECTION 14. TRANSPORT INFORMATION****International Regulations****IATA-DGR**

UN/ID No. : UN 1139  
Proper shipping name : Coating solution  
Class : 3  
Packing group : III  
Labels : Flammable Liquids

**IMDG-Code**

UN number : UN 1139  
Proper shipping name : COATING SOLUTION

Class : 3  
Packing group : III  
Labels : 3  
EmS Code : F-E, S-E  
Marine pollutant : no

**Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code**

Not applicable for product as supplied.

**Domestic regulation****49 CFR**

UN/ID/NA number : UN 1139  
Proper shipping name : Coating solution  
Class : 3

**SAFETY DATA SHEET****Foster® 90-66A**

Version 1.1

Revision Date 08/07/2024

Packing group : III  
Labels : FLAMMABLE LIQUID  
ERG Code : 127  
Marine pollutant : no

**Special precautions for user**

The transport classification(s) provided herein are for informational purposes only, and solely based upon the properties of the unpackaged material as it is described within this Safety Data Sheet. Transportation classifications may vary by mode of transportation, package sizes, and variations in regional or country regulations.

**SECTION 15. REGULATORY INFORMATION**

**SARA 311/312 Hazards** : Flammable (gases, aerosols, liquids, or solids)  
Respiratory or skin sensitization  
Germ cell mutagenicity  
Carcinogenicity  
Reproductive toxicity  
Specific target organ toxicity (single or repeated exposure)  
Aspiration hazard  
Skin corrosion or irritation

**SARA 302** : This material does not contain any components with a section 302 EHS TPQ.

**SARA 313** : The following components are subject to reporting levels established by SARA Title III, Section 313:

Toluene	108-88-3
1,2,4-trimethylbenzene	95-63-6
cumene	98-82-8

**Clean Air Act**

The following chemical(s) are listed as HAP under the U.S. Clean Air Act, Section 112 (40 CFR 61):

Toluene	108-88-3
Xylene	1330-20-7
cumene	98-82-8

**US State Regulations**

**California Prop 65** Please contact Supplier for more information.

**The ingredients of this product are reported in the following inventories:**

**TCSI** Not in compliance with the inventory

**SAFETY DATA SHEET**
**Foster® 90-66A**

Version 1.1

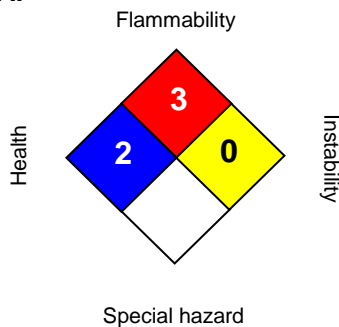
Revision Date 08/07/2024

<b>TSCA</b> <b>AIIC</b> <b>DSL</b> <b>ENCS</b> <b>ISHL</b> <b>KECI</b> <b>PICCS</b> <b>IECSC</b> <b>NZIoC</b> <b>CHINV</b> <b>REACH</b>  <b>TECI</b>	All substances listed as active on the TSCA inventory On the inventory, or in compliance with the inventory All components of this product are on the Canadian DSL On the inventory, or in compliance with the inventory Not in compliance with the inventory On the inventory, or in compliance with the inventory On the inventory, or in compliance with the inventory On the inventory, or in compliance with the inventory Not in compliance with the inventory The mixture contains substances listed on the Swiss Inventory Not in compliance with the inventory Not in compliance with the inventory Not in compliance with the inventory Not in compliance with the inventory
--	---

**Inventories Legend** TSCA (USA), DSL (Canada), REACH(Europe), AIIC (Australia), NZIoC (New Zealand), ENCS (Japan), KECI (Korea), PICCS (Philippines), IECSC (China), TWINV (Taiwan)

**SECTION 16. OTHER INFORMATION**

Prepared by: Global Regulatory Office - phone: 1-651-236-5842 - email: msds.request@hbfuller.com

**Further information**
**NFPA:**

**HMIS III:**

<b>HEALTH</b>	<b>3*</b>
<b>FLAMMABILITY</b>	<b>3</b>
<b>PHYSICAL HAZARD</b>	<b>0</b>

0 = not significant, 1 =Slight,  
 2 = Moderate, 3 = High  
 4 = Extreme, \* = Chronic

The information and recommendations set forth herein are believed to be accurate. Because some of the information is derived from information provided to the H.B. Fuller Company from its suppliers, and because the H.B. Fuller Company has no control over the conditions of handling and use, the H.B. Fuller Company 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 the H.B. Fuller Company assumes no responsibility for use or reliance thereon. It is the responsibility of the user of H.B. Fuller Company products to comply with all applicable federal, state and local laws and regulations.

**SAFETY DATA SHEET****Foster® 90-66A**

Version 1.1

Revision Date 08/07/2024

---