

## SAFETY DATA SHEET

### H.B. Fuller® EV Therm 440 B

Version 1.1

Revision Date 11/30/2021

#### SECTION 1. PRODUCT AND COMPANY IDENTIFICATION

Product name : H.B. Fuller® EV Therm 440 B  
Product code : 100000019291

##### Manufacturer or supplier's details

Company : H.B. Fuller Engineering Adhesives  
Address : 9001 W Fey Drive  
Frankfort, IL, 60423  
Telephone : 1-815-464-5606

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 : Activator  
Restrictions on use : For industrial use only.

#### SECTION 2. HAZARDS IDENTIFICATION


##### Emergency Overview

Appearance	liquid
Color	white
Odor	characteristic

##### GHS Classification

Eye irritation : Category 2A  
Skin sensitization : Category 1

##### GHS label elements

Hazard pictograms : 

Signal Word : Warning

##### Hazard Statements:

H317 May cause an allergic skin reaction. H319 Causes serious eye irritation.

##### Precautionary Statements:

**Prevention:** P261 Avoid breathing dust/ fume/ gas/ mist/ vapors/ spray. P264 Wash skin thoroughly after handling. P272 Contaminated work clothing must not be allowed out of the workplace. P280 Wear protective gloves/ eye protection/ face protection.

## SAFETY DATA SHEET

### H.B. Fuller® EV Therm 440 B

Version 1.1

Revision Date 11/30/2021

**Response:** P302 + P352 IF ON SKIN: Wash with plenty of soap and water. P305 + P351 + P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. P333 + P313 If skin irritation or rash occurs: Get medical advice/ attention. P337 + P313 If eye irritation persists: Get medical advice/ attention. P363 Wash contaminated clothing before reuse.

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

#### Potential Health Effects

##### Carcinogenicity:

<b>IARC</b>	No ingredient of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC.
<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>	No ingredient of this product present at levels greater than or equal to 0.1% is identified as a known or anticipated carcinogen by NTP.

### SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

Substance / Mixture : Mixture

#### Hazardous ingredients

Chemical name	CAS-No.	Concentration [%]
dibenzoyl peroxide	94-36-0	10 - 20
zinc distearate	557-05-1	1 - 5
calcium sulfate	7778-18-9	1 - 5
2,6-di-tert-butyl-p-cresol	128-37-0	1 - 5

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. Keep patient warm and at rest. Consult a physician after significant exposure.
In case of skin contact	: Wash off immediately with soap and plenty of water. Call a physician if irritation develops or persists.
In case of eye contact	: Rinse immediately with plenty of water, also under the eyelids. Seek medical advice.
If swallowed	: If swallowed, call a poison control center or doctor immediately. Do not induce vomiting without medical advice.

## SAFETY DATA SHEET

### H.B. Fuller® EV Therm 440 B

Version 1.1

Revision Date 11/30/2021

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#### SECTION 5. FIRE-FIGHTING MEASURES

- Suitable extinguishing media : Carbon dioxide (CO<sub>2</sub>)  
Sand  
Foam
- Unsuitable extinguishing media : Water
- Hazardous combustion products : No hazardous combustion products are known
- Specific extinguishing methods :
- Further information : Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.
- Special protective equipment for fire-fighters : Wear an approved positive pressure self-contained breathing apparatus in addition to standard fire fighting gear.

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#### SECTION 6. ACCIDENTAL RELEASE MEASURES

- Personal precautions, protective equipment and emergency procedures : Refer to protective measures listed in sections 7 and 8.  
Ensure adequate ventilation.
- Environmental precautions : Prevent product from entering drains.  
Do not flush into surface water or sanitary sewer system.
- Methods and materials for containment and cleaning up : Ventilate the area.  
Soak up with inert absorbent material.  
Do not flush with water.  
Shovel or sweep up.

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#### SECTION 7. HANDLING AND STORAGE

- Local/Total ventilation : Use only with adequate ventilation.
- Advice on safe handling : Wear personal protective equipment.  
Do not get on skin or clothing.  
Keep away from heat and flame.
- Conditions for safe storage : Keep containers tightly closed in a dry, cool and well-ventilated place.  
Store in original container.
- Materials to avoid : Do not store together with oxidizing and self-igniting products.

**SAFETY DATA SHEET**
**H.B. Fuller® EV Therm 440 B**

Version 1.1

Revision Date 11/30/2021

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

Components	CAS-No.	Value type (Form of exposure)	Control parameters / Permissible concentration	Basis
dibenzoyl peroxide	94-36-0	TWA	5 mg/m <sup>3</sup>	ACGIH
		TWA	5 mg/m <sup>3</sup>	NIOSH REL
		TWA	5 mg/m <sup>3</sup>	OSHA Z-1
		TWA	5 mg/m <sup>3</sup>	OSHA P0
		PEL	5 mg/m <sup>3</sup>	CAL PEL
zinc distearate	557-05-1	TWA (total dust)	15 mg/m <sup>3</sup>	OSHA Z-1
		TWA (respirable fraction)	5 mg/m <sup>3</sup>	OSHA Z-1
		TWA (Total)	10 mg/m <sup>3</sup>	OSHA P0
		TWA (Respirable fraction)	5 mg/m <sup>3</sup>	OSHA P0
		TWA	10 mg/m <sup>3</sup>	ACGIH
		TWA (Total dust)	10 mg/m <sup>3</sup>	OSHA P0
		TWA (respirable dust fraction)	5 mg/m <sup>3</sup>	OSHA P0
		PEL	10 mg/m <sup>3</sup>	CAL PEL
		TWA (Inhalable particulate matter)	10 mg/m <sup>3</sup>	ACGIH
		TWA (Respirable particulate matter)	3 mg/m <sup>3</sup>	ACGIH
calcium sulfate	7778-18-9	TWA (total dust)	15 mg/m <sup>3</sup>	OSHA Z-1
		TWA (respirable fraction)	5 mg/m <sup>3</sup>	OSHA Z-1
		TWA (Total)	15 mg/m <sup>3</sup>	OSHA P0
		TWA (Respirable fraction)	5 mg/m <sup>3</sup>	OSHA P0
		TWA (Inhalable particulate matter)	10 mg/m <sup>3</sup>	ACGIH

**SAFETY DATA SHEET**

**H.B. Fuller® EV Therm 440 B**

Version 1.1

Revision Date 11/30/2021

		TWA (Total dust)	15 mg/m3	OSHA P0
		TWA (respirable dust fraction)	5 mg/m3	OSHA P0
		PEL (Total dust)	10 mg/m3	CAL PEL
		PEL (respirable dust fraction)	5 mg/m3	CAL PEL
		TWA (Inhalable particulate matter)	10 mg/m3	ACGIH
2,6-di-tert-butyl-p-cresol	128-37-0	TWA (Inhalable fraction and vapor)	2 mg/m3	ACGIH
		TWA	10 mg/m3	OSHA P0
		PEL	10 mg/m3	CAL PEL

**Personal protective equipment**

- Respiratory protection : Use respiratory protection unless adequate local exhaust ventilation is provided or exposure assessment demonstrates that exposures are within recommended exposure guidelines.
  
- Filter type : Combined particulates and organic vapor type
  
- Hand protection  
Material : Impervious gloves
  
- Eye protection : Tightly fitting safety goggles  
Ensure that eyewash stations and safety showers are close to the workstation location.
  
- Skin and body protection : Long sleeved clothing  
Preventive skin protection
  
- Protective measures : Avoid contact with skin.
  
- Hygiene measures : Avoid contact with skin, eyes and clothing.

**SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES**

- Appearance : liquid
- Color : white
- Odor : characteristic
- Odor Threshold : No data available

## SAFETY DATA SHEET

### H.B. Fuller® EV Therm 440 B

Version 1.1

Revision Date 11/30/2021

pH	: is not determined
Melting point/freezing point	: is not determined
Boiling point/boiling range	: is not determined
Flash point	: Not applicable
Evaporation rate	: is not determined
Flammability (solid, gas)	: Not classified as a flammability hazard
Upper explosion limit	: Upper flammability limit is not determined
Lower explosion limit	: Lower flammability limit is not determined
Vapor pressure	: is not determined
Density	: 1.24 g/cm <sup>3</sup>
Solubility(ies)	
Water solubility	: is not determined
Partition coefficient: n-octanol/water	: No data available
Autoignition temperature	: is not determined
Viscosity	
Viscosity, kinematic	: is not determined

#### SECTION 10. STABILITY AND REACTIVITY

Chemical stability	: The product is chemically stable.
Hazardous decomposition products	: Nitrogen oxides (NO <sub>x</sub> ) Sulfur oxides

#### SECTION 11. TOXICOLOGICAL INFORMATION

##### Acute toxicity

###### Components:

###### **2,6-di-tert-butyl-p-cresol:**

Acute oral toxicity : LD50 Oral Rat: 6,000 mg/kg

##### Skin corrosion/irritation

No data available

##### Serious eye damage/eye irritation

No data available

##### Respiratory or skin sensitization

## SAFETY DATA SHEET

### H.B. Fuller® EV Therm 440 B

Version 1.1

Revision Date 11/30/2021

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

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## SECTION 12. ECOLOGICAL INFORMATION

### Ecotoxicity

#### Components:

##### calcium sulfate :

Toxicity to fish : LC50 (Pimephales promelas (fathead minnow)): > 1,970 mg/l  
Exposure time: 96 h  
Test Method: static test

##### 2,6-di-tert-butyl-p-cresol :

Toxicity to fish : LC50 (Oryzias latipes (Japanese medaka)): 5 mg/l  
Exposure time: 48 h  
Test Method: static test

Toxicity to algae : EC50 (Desmodesmus subspicatus (green algae)): > 0.42 mg/l  
Exposure time: 72 h  
Test Type: flow-through test

### Persistence and degradability

No data available

### Bioaccumulative potential

### Mobility in soil

No data available

### Other adverse effects

## SAFETY DATA SHEET

### H.B. Fuller® EV Therm 440 B

Version 1.1

Revision Date 11/30/2021

No data available

#### SECTION 13. DISPOSAL CONSIDERATIONS

##### Disposal methods

Waste from residues : Do not dispose of together with household waste.  
Do not dispose of waste into sewer.  
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. Disposal via incineration at an approved facility is recommended, as industry best practice. Consult state, local or provincial authorities for more restrictive requirements.

#### SECTION 14. TRANSPORT INFORMATION

##### International Regulations

##### UNRTDG

Not regulated as a dangerous good

##### IATA-DGR

Not regulated as a dangerous good

##### IMDG-Code

Not regulated as a dangerous good

##### 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

Not regulated as a dangerous good

#### SECTION 15. REGULATORY INFORMATION

**SARA 311/312 Hazards** : Respiratory or skin sensitization  
Serious eye damage or eye 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:



**SAFETY DATA SHEET**

**H.B. Fuller® EV Therm 440 B**

Version 1.1

Revision Date 11/30/2021

dibenzoyl peroxide	94-36-0
zinc distearate	557-05-1

**Clean Air Act**

This product does not contain any hazardous air pollutants (HAP), as defined by the U.S. Clean Air Act Section 112 (40 CFR 61).

**US State Regulations**

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

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

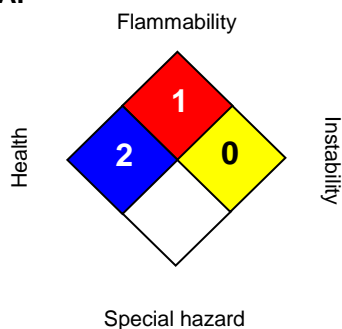
- TSCA** All substances listed as active on the TSCA inventory
  - DSL** All components of this product are on the Canadian DSL
  - AIIC** On the inventory, or in compliance with the inventory
  - KECI** On the inventory, or in compliance with the inventory
  - IECSC** On the inventory, or in compliance 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>2</b>
<b>FLAMMABILITY</b>	<b>1</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

**SAFETY DATA SHEET****H.B. Fuller® EV Therm 440 B**

Version 1.1

Revision Date 11/30/2021

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