# SAFETY DATA SHEET

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## H.B. Fuller® MP-55310 A

Version 1.5 Revision Date 02/02/2022

## SECTION 1. PRODUCT AND COMPANY IDENTIFICATION

Product name : H.B. Fuller® MP-55310 A
Product code : 100000006851

**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 : Adhesive

Restrictions on use : For industrial use only.

## SECTION 2. HAZARDS IDENTIFICATION

**Emergency Overview**

| | |
|---|---|
| Appearance | paste |
| Color | off-white |
| Odor | characteristic |

**GHS Classification**

Flammable liquids : Category 2
Skin irritation : Category 2
Serious eye damage : Category 1
Skin sensitization : Category 1
Specific target organ toxicity - single exposure : Category 3 (Respiratory system)

**GHS label elements**

Hazard pictograms :

Signal Word : Danger

**Hazard Statements:**
H225 Highly flammable liquid and vapor. H315 Causes skin irritation. H317 May cause an allergic

skin reaction. H318 Causes serious eye damage. H335 May cause respiratory irritation.
**Precautionary Statements:**
**Prevention:** 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. P261 Avoid breathing dust/ fume/ gas/ mist/ vapors/ spray. P264 Wash skin thoroughly after handling. P271 Use only outdoors or in a well-ventilated area. P272 Contaminated work clothing must not be allowed out of the workplace. P280 Wear protective gloves/ eye protection/ face protection.
**Response:** P303 + P361 + P353 IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/ shower. P304 + P340 + P312 IF INHALED: Remove person to fresh air and keep comfortable for breathing. Call a POISON CENTER/ doctor if you feel unwell. P305 + P351 + P338 + P310 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a POISON CENTER/ doctor. 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 + P233 Store in a well-ventilated place. Keep container tightly closed. 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:**

| | | |
|---|---|---|
| **IARC** | Group 2B: Possibly carcinogenic to humans | |
| | cumene | 98-82-8 |
| **OSHA** | No component of this product present at levels greater than or equal to 0.1% is on OSHA's list of regulated carcinogens. | |
| **NTP** | 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 [%] |
|---|---|---|
| methyl methacrylate | 80-62-6 | 50 - 70 |
| maleic acid | 110-16-7 | 1 - 5 |
| 2,6-di-tert-butyl-p-cresol | 128-37-0 | 1 - 5 |
| 2-Propenoic acid, 2-methyl-, 2-hydroxyethyl ester, phosphate | 52628-03-2 | 0.1 - 1 |
| α,α-dimethylbenzyl hydroperoxide | 80-15-9 | 0.1 - 1 |
| 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.<br>Keep patient warm and at rest.<br>Consult a physician after significant exposure. |
| In case of skin contact | : | Wash off immediately with soap and plenty of water.<br>Call a physician if irritation develops or persists. |
| In case of eye contact | : | Rinse immediately with plenty of water, also under the eyelids.<br>Seek medical advice. |
| If swallowed | : | If swallowed, call a poison control center or doctor immediately.<br>Do not induce vomiting without medical advice.<br>Drink plenty of water. |

## SECTION 5. FIRE-FIGHTING MEASURES

| | | |
|---|---|---|
| Suitable extinguishing media | : | Carbon dioxide (CO2)<br>Sand<br>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. |

## SECTION 6. ACCIDENTAL RELEASE MEASURES

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

Use neutralizing agents.
Shovel or sweep up.

## SECTION 7. HANDLING AND STORAGE

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

## SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

**Ingredients with workplace control parameters**

| Components | CAS-No. | Value type (Form of exposure) | Control parameters / Permissible concentration | Basis |
|---|---|---|---|---|
| methyl methacrylate | 80-62-6 | TWA | 50 ppm | ACGIH |
| | | STEL | 100 ppm | ACGIH |
| | | TWA | 100 ppm<br>410 mg/m3 | OSHA Z-1 |
| | | TWA | 100 ppm<br>410 mg/m3 | OSHA P0 |
| | | PEL | 50 ppm<br>205 mg/m3 | CAL PEL |
| | | STEL | 100 ppm<br>410 mg/m3 | CAL PEL |
| 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 |
| cumene | 98-82-8 | TWA | 5 ppm | ACGIH |
| | | TWA | 50 ppm<br>245 mg/m3 | NIOSH REL |
| | | TWA | 50 ppm<br>245 mg/m3 | OSHA Z-1 |
| | | TWA | 50 ppm<br>245 mg/m3 | OSHA P0 |

| | | | | |
|---|---|---|---|---|
| | | PEL | 50 ppm<br>245 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<br>Material | : | Impervious gloves |
| Eye protection | : | Tightly fitting safety goggles<br>Ensure that eyewash stations and safety showers are close to the workstation location. |
| Skin and body protection | : | Long sleeved clothing<br>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 | : | paste |
| Color | : | off-white |
| Odor | : | characteristic |
| Odor Threshold | : | no data available |
| pH | : | is not determined |
| Melting point/freezing point | : | is not determined |
| Boiling point/boiling range | : | is not determined |
| Flash point | : | not applicable<br>10 °C |
| Evaporation rate | : | is not determined |
| Flammability (solid, gas) | : | Not classified as a flammability hazard |
| Upper explosion limit | : | Upper flammability limit<br>is not determined |
| Lower explosion limit | : | Lower flammability limit<br>is not determined |
| Vapor pressure | : | is not determined |
| Density | : | 0.99 g/cm3 |
| Solubility(ies) | | |

| | | |
|---|---|---|
| Water solubility | : | is not determined |
| Partition coefficient: n-octanol/water | : | no data available |
| Autoignition temperature | : | is not determined |
| Viscosity<br>Viscosity, kinematic | : | is not determined |

## SECTION 10. STABILITY AND REACTIVITY

| | | |
|---|---|---|
| Chemical stability | : | The product is chemically stable. |
| Hazardous decomposition products | : | Nitrogen oxides (NOx)<br>Sulfur oxides |

## SECTION 11. TOXICOLOGICAL INFORMATION

### Acute toxicity

**Product:**

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

**Components:**

**methyl methacrylate:**

| | | |
|---|---|---|
| Acute inhalation toxicity | : | LC50 Rat: 4632 ppm<br>Exposure time: 4 h<br>Test atmosphere: vapor |

**maleic acid:**

| | | |
|---|---|---|
| Acute oral toxicity | : | LD50 Oral Rat: 708 mg/kg |
| Acute dermal toxicity | : | LD50 Dermal Rabbit: 1,560 mg/kg |

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

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

**α,α-dimethylbenzyl hydroperoxide:**

| | | |
|---|---|---|
| Acute oral toxicity | : | LD50 Oral Rat: 382 mg/kg |
| Acute inhalation toxicity | : | LC50 Rat: 220 ppm<br>Exposure time: 4 h<br>Test atmosphere: vapor |
| Acute dermal toxicity | : | LD50 Dermal Rat: 500 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:**
**methyl methacrylate :**

| | | |
|---|---|---|
| Toxicity to fish | : | LC50 (Oncorhynchus mykiss (rainbow trout)): > 79 mg/l<br>Exposure time: 96 h<br>Test Method: flow-through test |
| Toxicity to daphnia and other aquatic invertebrates | : | EC50 (Daphnia magna (Water flea)): 69 mg/l<br>Exposure time: 48 h<br>Test Method: static test |

**maleic acid :**

| | | |
|---|---|---|
| Toxicity to fish | : | LC50 (Pimephales promelas (fathead minnow)): 5 mg/l<br>Exposure time: 96 h<br>Test Method: static test |

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

| | | |
|---|---|---|
| Toxicity to fish | : | LC50 (Oryzias latipes (Japanese medaka)): 5 mg/l<br>Exposure time: 48 h<br>Test Method: static test |
| Toxicity to algae | : | EC50 (Desmodesmus subspicatus (green algae)): > 0.42 mg/l<br>Exposure time: 72 h<br>Test Type: flow-through test |

**α,α-dimethylbenzyl hydroperoxide :**

| | | |
|---|---|---|
| Toxicity to fish | : | LC50 (Oncorhynchus mykiss (rainbow trout)): 3.9 mg/l<br>Exposure time: 96 h<br>Test Method: static test |
| Toxicity to daphnia and other aquatic invertebrates | : | EC50 (Daphnia magna (Water flea)): 7 mg/l<br>Exposure time: 24 h<br>Test Method: static test |

**cumene :**

| | | |
|---|---|---|
| Toxicity to fish | : | LC50 (Oncorhynchus mykiss (rainbow trout)): 2.7 mg/l<br>Exposure time: 96 h<br>Test Method: semi-static test |
| Toxicity to daphnia and other aquatic invertebrates | : | EC50 (Daphnia magna (Water flea)): 0.6 mg/l<br>Exposure time: 48 h<br>Test Method: static test |
| Toxicity to algae | : | EC50 (Pseudokirchneriella subcapitata (microalgae)): 2.6 mg/l<br>Exposure time: 72 h<br>Test Type: flow-through test |

**Persistence and degradability**

No data available

**Bioaccumulative potential**

**Mobility in soil**

No data available

**Other adverse effects**

No data available

## SECTION 13. DISPOSAL CONSIDERATIONS

**Disposal methods**

| | | |
|---|---|---|
| Waste from residues | : | Do not dispose of together with household waste.<br>Do not dispose of waste into sewer.<br>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**

**IATA-DGR**

| | | |
|---|---|---|
| UN/ID No. | : | UN 1993 |
| Proper shipping name | : | Flammable liquid, n.o.s. (METHYLMETHACRYLATE) |
| Class | : | 3 |
| Packing group | : | II |
| Labels | : | Flammable Liquids |

**IMDG-Code**

| | | |
|---|---|---|
| UN number | : | UN 1993 |
| Proper shipping name | : | FLAMMABLE LIQUID, N.O.S. (METHYLMETHACRYLATE) |
| Class | : | 3 |
| Packing group | : | II |
| 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 1993 |
| Proper shipping name | : | Flammable liquids, n.o.s. (METHYLMETHACRYLATE) |
| Class | : | 3 |
| Packing group | : | II |
| Labels | : | FLAMMABLE LIQUID |
| ERG Code | : | 128 |
| 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
Skin corrosion or irritation
Serious eye damage or eye irritation
Specific target organ toxicity (single or repeated exposure)

**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:

| | |
|---|---|
| methyl methacrylate | 80-62-6 |
| 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):

| | |
|---|---|
| methyl methacrylate | 80-62-6 |
| 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:**

**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

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

# SAFETY DATA SHEET

## H.B. Fuller® MP-55310 A

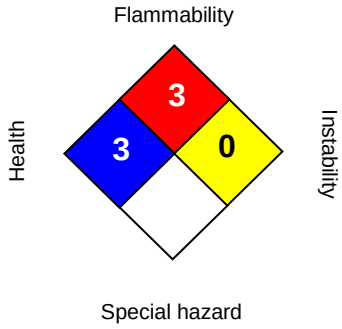
Version 1.5 Revision Date 02/02/2022

### SECTION 16. OTHER INFORMATION

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

**Further information**

**NFPA:**




**HMIS III:**

| | |
|---|---|
| HEALTH | 3 |
| FLAMMABILITY | 3 |
| PHYSICAL HAZARD | 0 |

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

## H.B. Fuller® MP-55310-B

Version 1.5 Revision Date 07/08/2022

### SECTION 1. PRODUCT AND COMPANY IDENTIFICATION

Product name : H.B. Fuller® MP-55310-B
Product code : 100000006871

**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 | light cream |
| Odor | characteristic |

**GHS Classification**

Flammable liquids : Category 2
Skin irritation : Category 2
Skin sensitization : Category 1
Specific target organ toxicity - single exposure : Category 3 (Respiratory system)

**GHS label elements**

Hazard pictograms :

Signal Word : Danger

**Hazard Statements:**
H225 Highly flammable liquid and vapor. H315 Causes skin irritation. H317 May cause an allergic skin reaction. H335 May cause respiratory irritation.

**Precautionary Statements:**
**Prevention:** 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. P261 Avoid breathing mist or vapors. P264 Wash skin thoroughly after handling. P271 Use only outdoors or in a well-ventilated area. P272 Contaminated work clothing must not be allowed out of the workplace. P280 Wear protective gloves/ eye protection/ face protection.
**Response:** P303 + P361 + P353 IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/ shower. P304 + P340 + P312 IF INHALED: Remove person to fresh air and keep comfortable for breathing. Call a POISON CENTER/ doctor if you feel unwell. 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 + P233 Store in a well-ventilated place. Keep container tightly closed. 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:**

| | |
|---|---|
| **IARC** | 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. |
| **OSHA** | No component of this product present at levels greater than or equal to 0.1% is on OSHA's list of regulated carcinogens. |
| **NTP** | 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 [%] |
|---|---|---|
| methyl methacrylate | 80-62-6 | 70 - 90 |
| 3,5-diethyl-1,2-dihydro-1-phenyl-2-propylpyridine | 34562-31-7 | 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.<br>Call a physician if irritation develops or persists. |
| In case of eye contact | : | Rinse immediately with plenty of water, also under the eyelids.<br>Seek medical advice. |
| If swallowed | : | If swallowed, call a poison control center or doctor immediately.<br>Do not induce vomiting without medical advice. |

## SECTION 5. FIRE-FIGHTING MEASURES

| | | |
|---|---|---|
| Suitable extinguishing media | : | Carbon dioxide (CO2)<br>Sand<br>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. |

## SECTION 6. ACCIDENTAL RELEASE MEASURES

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

## 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.

## SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

**Ingredients with workplace control parameters**

| Components | CAS-No. | Value type (Form of exposure) | Control parameters / Permissible concentration | Basis |
|---|---|---|---|---|
| methyl methacrylate | 80-62-6 | TWA | 50 ppm | ACGIH |
| | | STEL | 100 ppm | ACGIH |
| | | TWA | 100 ppm<br>410 mg/m3 | OSHA Z-1 |
| | | TWA | 100 ppm<br>410 mg/m3 | OSHA P0 |
| | | PEL | 50 ppm<br>205 mg/m3 | CAL PEL |
| | | STEL | 100 ppm<br>410 mg/m3 | CAL PEL |
| 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 | : | light cream |
| Odor | : | characteristic |
| Odor Threshold | : | no data available |
| pH | : | is not determined |
| Melting point/freezing point | : | is not determined |
| Boiling point/boiling range | : | is not determined |
| Initial boiling point and boiling range | | 100 °C |
| Flash point | : | 10 °CMethod: closed cup<br>Not applicable |
| Evaporation rate | : | is not determined |
| Flammability (solid, gas) | : | Not classified as a flammability hazard |
| Upper explosion limit | : | Upper flammability limit<br>is not determined |
| Lower explosion limit | : | Lower flammability limit<br>is not determined |
| Vapor pressure | : | is not determined |
| Density | : | 0.94 g/cm3 |
| 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 (NOx)<br>Sulfur oxides |

## SECTION 11. TOXICOLOGICAL INFORMATION

**Acute toxicity**

**Product:**

Acute oral toxicity : Acute toxicity estimate : > 5,000 mg/kg
Method: Calculation method

**Components:**

**methyl methacrylate:**
Acute inhalation toxicity : LC50 Rat: 4632 ppm
Exposure time: 4 h
Test atmosphere: vapor

**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**

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:**
**methyl methacrylate :**

| | | |
|---|---|---|
| Toxicity to fish | : | LC50 (Oncorhynchus mykiss (rainbow trout)): > 79 mg/l<br>Exposure time: 96 h<br>Test Method: flow-through test |
| Toxicity to daphnia and other aquatic invertebrates | : | EC50 (Daphnia magna (Water flea)): 69 mg/l<br>Exposure time: 48 h<br>Test Method: static test |

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

| | | |
|---|---|---|
| Toxicity to fish | : | LC50 (Oryzias latipes (Japanese medaka)): 5 mg/l<br>Exposure time: 48 h<br>Test Method: static test |
| Toxicity to algae | : | EC50 (Desmodesmus subspicatus (green algae)): > 0.42 mg/l<br>Exposure time: 72 h<br>Test Type: flow-through test |

**Persistence and degradability**

No data available
**Bioaccumulative potential**

**Mobility in soil**

No data available

**Other adverse effects**

No data available

## SECTION 13. DISPOSAL CONSIDERATIONS

**Disposal methods**

| | | |
|---|---|---|
| Waste from residues | : | Do not dispose of together with household waste.<br>Do not dispose of waste into sewer.<br>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**

**IATA-DGR**

| | | |
|---|---|---|
| UN/ID No. | : | UN 1993 |
| Proper shipping name | : | Flammable liquid, n.o.s. (METHYLMETHACRYLATE) |
| Class | : | 3 |
| Packing group | : | II |
| Labels | : | Flammable Liquids |

**IMDG-Code**

| | | |
|---|---|---|
| UN number | : | UN 1993 |
| Proper shipping name | : | FLAMMABLE LIQUID, N.O.S. (METHYLMETHACRYLATE, 3,5-diethyl-1,2-dihydro-1-phenyl-2-propylpyridine, 2,6-di-tert-butyl-p-cresol) |
| Class | : | 3 |
| Packing group | : | II |
| 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 1993 |
| Proper shipping name | : | Flammable liquids, n.o.s. (METHYLMETHACRYLATE) |
| Class | : | 3 |
| Packing group | : | II |
| Labels | : | FLAMMABLE LIQUID |
| ERG Code | : | 128 |
| 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
Skin corrosion or irritation
Specific target organ toxicity (single or repeated exposure)

**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:

methyl methacrylate 80-62-6

**Clean Air Act**

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

methyl methacrylate 80-62-6

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

methyl methacrylate 80-62-6

**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** | All components are listed on the inventory, regulatory obligations/restrictions apply |
| **DSL** | All components of this product are on the Canadian DSL |
| **AICS** | On the inventory, or in compliance with the inventory |
| **KECI** | On the inventory, or in compliance with the inventory |
| **KECI** | On the inventory, or in compliance with the inventory |
| **PICCS** | On the inventory, or in compliance with the inventory |
| **PICCS** | On the inventory, or in compliance with the inventory |
| **IECSC** | 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

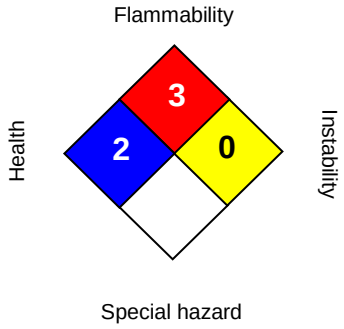
# SAFETY DATA SHEET

## H.B. Fuller® MP-55310-B

Version 1.5 Revision Date 07/08/2022

### Further information

**NFPA:**




**HMIS III:**

| | |
|---|---|
| HEALTH | 2 |
| FLAMMABILITY | 3 |
| PHYSICAL HAZARD | 0 |

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.