

**SAFETY DATA SHEET**



**H.B. Fuller® M-60**

Version 1.1

Revision Date 01/05/2022

**SECTION 1. PRODUCT AND COMPANY IDENTIFICATION**

Product name : H.B. Fuller® M-60  
Product code : 100000009673

**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 : Cyanoacrylate Adhesive  
Restrictions on use : For industrial use only.

**SECTION 2. HAZARDS IDENTIFICATION**

**Emergency Overview**

Appearance	liquid
Color	Clear to light yellow
Odor	characteristic

**GHS Classification**

Flammable liquids : Category 4  
Skin irritation : Category 2  
Eye irritation : Category 2A  
Skin sensitization : Category 1  
Carcinogenicity : Category 2  
Specific target organ toxicity - single exposure : Category 3 (Respiratory system)

**GHS label elements**

Hazard pictograms :

Signal Word : Warning

**Hazard Statements:**

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H227 Combustible liquid. H315 Causes skin irritation. H317 May cause an allergic skin reaction. H319 Causes serious eye irritation. H335 May cause respiratory irritation. H351 Suspected of causing cancer.

#### 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. 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/ protective clothing/ eye protection/ face protection.

**Response:** P302 + P352 IF ON SKIN: Wash with plenty of soap and water. 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 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. P308 + P313 IF exposed or concerned: Get medical advice/ attention. P333 + P313 If skin irritation or rash occurs: Get medical advice/ attention. P337 + P313 If eye irritation persists: 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:

<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 [%]
ethyl 2-cyanoacrylate	7085-85-0	90 - 100
hydroquinone	123-31-9	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.

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- If not breathing, give artificial respiration.  
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.  
Cyanoacrylate. Danger. Bonds skin and eyes in seconds.  
Keep out of the reach of children.
- 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.

#### SECTION 5. FIRE-FIGHTING MEASURES

- Suitable extinguishing media : Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.
- Unsuitable extinguishing media : Water spray jet
- Hazardous combustion products : Nitrogen oxides (NO<sub>x</sub>)
- 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.  
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 : Allow to solidify.  
Pick up and transfer to properly labeled containers.  
Ventilate the area.

#### SECTION 7. HANDLING AND STORAGE

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- Local/Total ventilation : Use only with adequate ventilation.
- Advice on safe handling : Wear personal protective equipment.  
Do not get on skin or clothing.  
Use only in an area equipped with a safety shower.
- 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
ethyl 2-cyanoacrylate	7085-85-0	PEL	0.2 ppm 1.02 mg/m <sup>3</sup>	CAL PEL
		TWA	0.2 ppm	ACGIH
		STEL	1 ppm	ACGIH
hydroquinone	123-31-9	TWA	1 mg/m <sup>3</sup>	ACGIH
		TWA	2 mg/m <sup>3</sup>	OSHA Z-1
		TWA	2 mg/m <sup>3</sup>	OSHA P0
		PEL	2 mg/m <sup>3</sup>	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 : Nitrile rubber  
Remarks : Do not wear cotton or natural fiber 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.

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

#### SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance : liquid  
Color : Clear to light yellow  
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 : 75 °C Method: closed cup  
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 : 1.06 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 : Stable under normal conditions.

#### SECTION 11. TOXICOLOGICAL INFORMATION

##### Acute toxicity

**Product:**

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

**Components:**

**hydroquinone:**

Acute oral toxicity : LD50 Oral Rat: 320 mg/kg

Acute dermal toxicity : LD50 Dermal Rat: > 900 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

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## SECTION 12. ECOLOGICAL INFORMATION

### Ecotoxicity

**Components:**

**hydroquinone :**

Toxicity to fish : LC50 (Oncorhynchus mykiss (rainbow trout)): 0.044 mg/l  
Exposure time: 96 h  
Test Method: flow-through test

Toxicity to daphnia and other : EC50 (Daphnia magna (Water flea)): 0.29 mg/l

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aquatic invertebrates

Exposure time: 48 h  
Test Method: static test

Toxicity to algae

: EC50 (Pseudokirchneriella subcapitata (microalgae)): 0.335 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

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

UN/ID/NA number : NA 1993

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Proper shipping name : Combustible liquid, n.o.s.  
(ethyl 2-cyanoacrylate)  
Class : CBL  
Packing group : III  
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  
Carcinogenicity  
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** : This material does not contain any chemical components with known CAS numbers that exceed the threshold (De Minimis) reporting levels established by SARA Title III, Section 313.

#### 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

**AIC** On the inventory, or in compliance with the inventory

**ENCS** On the inventory, or in compliance with the inventory



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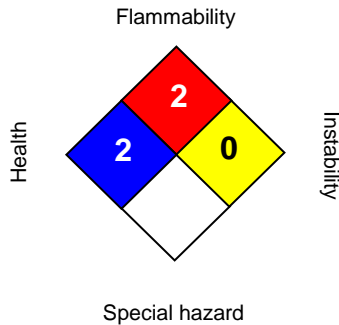
<b>KECI</b>	On the inventory, or in compliance with the inventory
<b>PICCS</b>	On the inventory, or in compliance with the inventory
<b>IECSC</b>	On the inventory, or in compliance with the inventory
<b>TCSI</b>	On the inventory, or in compliance with the inventory
<b>Inventories Legend</b>	TSCA (USA), DSL (Canada), REACH(Europe), AIIIC (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>2</b>
<b>PHYSICAL HAZARD</b>	<b>0</b>

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

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