

## SAFETY DATA SHEET

### Cyberbond™ 5895B

Version 1.0

Revision Date 06/21/2019

#### SECTION 1. PRODUCT AND COMPANY IDENTIFICATION

Product name : Cyberbond™ 5895B  
Product code : 10000005193

##### 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 : Epoxy curing agent  
Restrictions on use : For industrial use only.

Authorized Distributor




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#### SECTION 2. HAZARDS IDENTIFICATION



##### Emergency Overview

Appearance	liquid
Color	gray
Odor	amine-like

##### GHS Classification

Skin irritation : Category 2  
Serious eye damage : Category 1  
Skin sensitization : Category 1

##### GHS label elements

Hazard pictograms :  

Signal Word : Danger

##### Hazard Statements:

H315 Causes skin irritation. H317 May cause an allergic skin reaction. H318 Causes serious eye damage.

##### 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.

**Response:** P302 + P352 IF ON SKIN: Wash with plenty of soap and water. P305 + P351 + P338 +

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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.

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

**Potential Health Effects**

**Carcinogenicity:**

**IARC**

Group 2B: Possibly carcinogenic to humans

Carbon black

1333-86-4

**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 [%]
Polyamide resin	68410-23-1	70 - 90
Limestone	1317-65-3	30 - 50
Epoxy resin	25068-38-6	1 - 5
triethylenetetramine	112-24-3	0.1 - 1
Carbon black	1333-86-4	0.1 - 1

**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 not breathing, give artificial respiration.  
Keep patient warm and at rest.  
Consult a physician after significant exposure.
  
- In case of skin contact : Take off all contaminated clothing immediately.  
Wash off immediately with soap and plenty of water.  
Call a physician if irritation develops or persists.  
Wash contaminated clothing before re-use.
  
- In case of eye contact : Hold eyelids apart and flush eyes with plenty of water for at least 15 minutes. Get medical attention.  
Protect unharmed eye.
  
- If swallowed : If swallowed, call a poison control center or doctor immediately.

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Do NOT induce vomiting.  
If victim is fully conscious, give a cupful of water.  
If possible drink milk afterwards.

#### SECTION 5. FIRE-FIGHTING MEASURES

- Suitable extinguishing media : Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.
  
- 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.
- 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 : Soak up with inert absorbent material.  
Shovel into suitable container for disposal.

#### 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.  
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.
  
- Materials to avoid : No special restrictions on storage with other products.

#### SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

##### Ingredients with workplace control parameters

Components	CAS-No.	Value type (Form of	Control parameters /	Basis

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		exposure)	Permissible concentration	
Limestone	1317-65-3	TWA (Respirable)	5 mg/m3	NIOSH REL
		TWA (total)	10 mg/m3	NIOSH REL
		TWA (Respirable)	5 mg/m3	NIOSH REL
		TWA (total)	10 mg/m3	NIOSH REL
		TWA (Respirable)	5 mg/m3	NIOSH REL
		TWA (total)	10 mg/m3	NIOSH REL
		TWA (total dust)	15 mg/m3	OSHA Z-1
		TWA (respirable fraction)	5 mg/m3	OSHA Z-1
		TWA (Total)	15 mg/m3	OSHA P0
		TWA (Respirable fraction)	5 mg/m3	OSHA P0
		TWA (Total dust)	15 mg/m3	OSHA P0
		TWA (respirable dust fraction)	5 mg/m3	OSHA P0
Carbon black	1333-86-4	TWA	3.5 mg/m3	ACGIH
		TWA	3.5 mg/m3	OSHA Z-1
		TWA	3.5 mg/m3	OSHA P0
		TWA (Inhalable fraction)	3 mg/m3	ACGIH
		PEL	3.5 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 : butyl-rubber

Eye protection : Safety goggles  
Face-shield  
Ensure that eyewash stations and safety showers are close to the workstation location.

Skin and body protection : Long sleeved clothing  
Chemical resistant apron

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 : gray  
Odor : amine-like  
Odor Threshold : No data available  
Melting point/freezing point : not determined  
Boiling point/boiling range : 140 °C  
not determined  
Flash point : 266 °C  
Evaporation rate : not determined  
Flammability (solid, gas) : Not classified as a flammability hazard  
  
Upper explosion limit : Upper flammability limit  
not determined  
Lower explosion limit : Lower flammability limit  
not determined  
Density : 1.28 g/cm<sup>3</sup> (25 °C)  
  
Solubility(ies)  
Water solubility : not determined  
Partition coefficient: n-  
octanol/water : No data available  
Autoignition temperature : not determined  
  
Viscosity  
Viscosity, dynamic : 100,000 mPa.s  
Viscosity, kinematic : 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

##### Components:

triethylenetetramine:

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Acute oral toxicity : LD50 Oral Rat: 2,500 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:

##### triethylenetetramine :

Toxicity to daphnia and other aquatic invertebrates : EC50 (Daphnia magna (Water flea)): 31.1 mg/l  
Exposure time: 48 h  
Test Method: static test

Toxicity to algae : EC50 (Desmodesmus subspicatus (green algae)): 2.5 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

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#### Other adverse effects

No data available

### SECTION 13. DISPOSAL CONSIDERATIONS

#### Disposal methods

Waste from residues : 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

#### Special precautions for user

Not applicable

#### Domestic regulation

##### 49 CFR

UN/ID/NA number : 3082  
Proper shipping name : Environmentally hazardous substances, liquid, n.o.s.  
(FATTY ACID AMIDOAMINE RESIN)  
Class : 9  
Packing group : III  
Labels : 9  
ERG Code : 171  
Marine pollutant : no

#### International Regulations

##### IATA-DGR

UN/ID No. : 3082  
Proper shipping name : Environmentally hazardous substance, liquid, n.o.s.  
(FATTY ACID AMIDOAMINE RESIN)  
Class : 9  
Packing group : III  
Labels : 9  
Packing instruction (cargo aircraft) : 964  
Packing instruction (passenger aircraft) : 964

##### IMDG-Code

UN number : 3082  
Proper shipping name : ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S.

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Class : 9  
Packing group : III  
Labels : 9  
EmS Code : F-A, S-F  
Marine pollutant : no

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

Not applicable for product as supplied.

#### SECTION 15. REGULATORY INFORMATION

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

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

#### SECTION 16. OTHER INFORMATION

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



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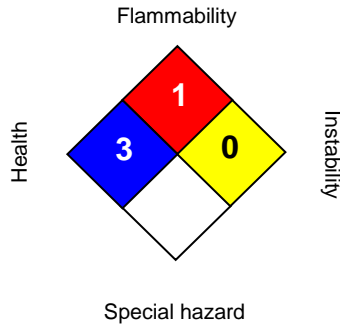
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**Further information**

**NFPA:**



**HMIS III:**

<b>HEALTH</b>	<b>3</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

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