

SAFETY DATA SHEET

Cyberbond™ 6001H

Version 1.0

Revision Date 03/25/2019

SECTION 1. PRODUCT AND COMPANY IDENTIFICATION

Product name : Cyberbond™ 6001H
Product code : 100000004940

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 : Primer
Restrictions on use : For industrial use only.

SECTION 2. HAZARDS IDENTIFICATION

Emergency Overview

Appearance	liquid
Color	colorless

GHS Classification

Flammable liquids : Category 2
Eye irritation : Category 2A
Germ cell mutagenicity : Category 1B
Carcinogenicity : Category 1B
Specific target organ systemic toxicity - single exposure : Category 3 (Central nervous system)
Specific target organ systemic toxicity - repeated exposure : Category 2
Aspiration hazard : Category 1

GHS label elements

Hazard pictograms : 

Signal Word : Danger

Hazard Statements:

H225 Highly flammable liquid and vapor. H304 May be fatal if swallowed and enters airways.
H319 Causes serious eye irritation. H336 May cause drowsiness or dizziness. H340 May cause

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genetic defects. H350 May cause cancer. 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 dust/ fume/ gas/ mist/ vapors/ spray. P264 Wash skin thoroughly after handling. P271 Use only outdoors or in a well-ventilated area. 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. 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. P331 Do NOT induce vomiting. P337 + P313 If eye irritation persists: Get medical advice/ attention. 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

Distillates (petroleum), light distillate hydrotreating process, low-boiling 68410-97-9

N,N-dimethyl-p-toluidine 99-97-8

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

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 [%]
Distillates (petroleum), light distillate hydrotreating process, low-boiling	68410-97-9	70 - 90
acetone	67-64-1	30 - 50
N,N-dimethyl-p-toluidine	99-97-8	1 - 5

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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. |

SECTION 5. FIRE-FIGHTING MEASURES

- | | | |
|------------------------------------------------|---|-------------------------------------------------------------------------------------------------------------------|
| Suitable extinguishing media | : | Carbon dioxide (CO ₂)
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. |

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.

SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Ingredients with workplace control parameters

Components	CAS-No.	Value type (Form of exposure)	Control parameters / Permissible concentration	Basis
Distillates (petroleum), light distillate hydrotreating process, low-boiling	68410-97-9	TWA	500 ppm 2,000 mg/m ³	OSHA Z-1
		TWA	400 ppm 1,600 mg/m ³	OSHA P0
acetone	67-64-1	TWA	250 ppm	ACGIH
		STEL	500 ppm	ACGIH
		TWA	1,000 ppm 2,400 mg/m ³	OSHA Z-1
		TWA	750 ppm 1,800 mg/m ³	OSHA P0
		STEL	1,000 ppm 2,400 mg/m ³	OSHA P0
		STEL	750 ppm 1,780 mg/m ³	CAL PEL
		C	3,000 ppm	CAL PEL
		PEL	500 ppm 1,200 mg/m ³	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

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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	: colorless
Odor Threshold	: No data available
Melting point/freezing point	: not determined
Boiling point/boiling range	: not determined
Flash point	: -20 °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 1.7 %(V)
Vapor pressure	: 111.1 DA
Relative density	: 0.732 (20 °C)
Density	: 6.1 lb/gal (20 °C)
Solubility(ies)	
Water solubility	: not determined
Partition coefficient: n-octanol/water	: No data available
Autoignition temperature	: not determined
Viscosity	
Viscosity, kinematic	: not determined

SECTION 10. STABILITY AND REACTIVITY

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Chemical stability	:	The product is chemically stable.
Hazardous decomposition products	:	Nitrogen oxides (NOx) Sulfur oxides

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 : 25 mg/l
Exposure time: 4 h
Test atmosphere: dust/mist
Method: Calculation method

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

Components:

N,N-dimethyl-p-toluidine:

Acute inhalation toxicity : LC50 Rat: 1.4 mg/l
Exposure time: 4 h
Test atmosphere: dust/mist

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

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STOT-repeated exposure

No data available

Aspiration toxicity

No data available

SECTION 12. ECOLOGICAL INFORMATION

Ecotoxicity

Components:

N,N-dimethyl-p-toluidine :

Toxicity to fish : LC50 (Pimephales promelas (fathead minnow)): 42 - 50.5 mg/l
Exposure time: 96 h
Test Method: 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

Special precautions for user

Not applicable

Domestic regulation

49 CFR

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UN/ID/NA number : 1993
 Proper shipping name : Flammable liquids, n.o.s.
 (HEPTANES, ACETONE)
 Class : 3
 Packing group : II
 Labels : 3
 ERG Code : 128
 Marine pollutant : no

International Regulations

IATA-DGR

UN/ID No. : 1993
 Proper shipping name : Flammable liquid, n.o.s.
 (HEPTANES, ACETONE)
 Class : 3
 Packing group : II
 Labels : 3
 Packing instruction (cargo aircraft) : 364
 Packing instruction (passenger aircraft) : 353

IMDG-Code

UN number : 1993
 Proper shipping name : FLAMMABLE LIQUID, N.O.S.
 (HEPTANES, ACETONE)
 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.

SECTION 15. REGULATORY INFORMATION

SARA 311/312 Hazards : Flammable (gases, aerosols, liquids, or solids)
 Serious eye damage or eye irritation
 Germ cell mutagenicity
 Carcinogenicity
 Specific target organ toxicity (single or repeated exposure)
 Aspiration hazard

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

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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:

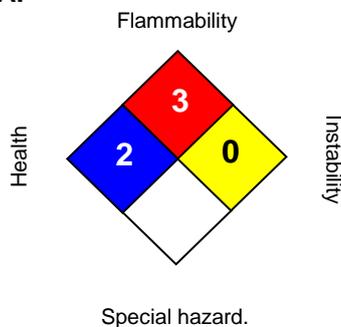
- TSCA** On TSCA Inventory
 - DSL** All components of this product are on the Canadian DSL
 - AICS** On the inventory, or in compliance with the inventory
 - ENCS** On the inventory, or in compliance with the inventory
 - KECI** On the inventory, or in compliance with the inventory
 - PICCS** On the inventory, or in compliance with the inventory
 - IECSC** On the inventory, or in compliance with the inventory
 - TCSI** On the inventory, or in compliance with the 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

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

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