

**SAFETY DATA SHEET****H.B. Fuller® Double Bubble Epoxy Machineable Part A (04002)**

Version 1.0

Revision Date 09/09/2021

**SECTION 1. PRODUCT AND COMPANY IDENTIFICATION**

Product name : H.B. Fuller® Double Bubble Epoxy Machineable Part A (04002)  
Product code : 100000017856

**Manufacturer or supplier's details**

Company : H.B. Fuller Company  
Address : 1200 Willow Lake Boulevard  
Vadnais Heights, MN 55110  
Telephone : 1-888-423-8553

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 resin  
Restrictions on use : For industrial use only.



**SECTION 2. HAZARDS IDENTIFICATION****Emergency Overview**

|            |                |
|------------|----------------|
| Appearance | liquid         |
| Color      | gray           |
| Odor       | characteristic |

**GHS Classification**

Skin irritation : Category 2  
Eye irritation : Category 2A  
Skin sensitization : Category 1  
Germ cell mutagenicity : Category 2

**GHS label elements**

Hazard pictograms :  

Signal Word : Warning

**Hazard Statements:**

H315 Causes skin irritation. H317 May cause an allergic skin reaction. H319 Causes serious eye

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irritation. H341 Suspected of causing genetic defects.

**Precautionary Statements:**

**Prevention:** P201 Obtain special instructions before use. P202 Do not handle until all safety precautions have been read and understood. P261 Avoid breathing mist or vapors. P264 Wash skin thoroughly after handling. 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. 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.

**Storage:** 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 [%] |
|--|-------------|-------------------|
| Epoxy resin  | 25068-38-6  | 50 - 70           |
| Talc Non-Fibrous                                     | 14807-96-6  | 20 - 30           |
| aluminium  | 7429-90-5   | 10 - 20           |
| p-tert-butylphenyl 1-(2,3-epoxy)propyl ether         | 3101-60-8   | 1 - 5             |
| Silica, amorphous fumed                              | 112945-52-5 | 1 - 5             |
| p-(2,3-epoxypropoxy)-N,N-bis(2,3-epoxypropyl)aniline | 5026-74-4   | 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.

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- If symptoms persist, call a physician.
- In case of skin contact : Wash off with soap and water.  
Get medical attention immediately if irritation develops and persists.  
Remove contaminated clothing and shoes.  
Wash contaminated clothing before reuse.
- In case of eye contact : Flush eyes with water at least 15 minutes. Get medical attention if eye irritation develops or persists.
- If swallowed : Do NOT induce vomiting.  
If victim is fully conscious, give a cupful of water.  
Never give anything by mouth to an unconscious person.  
Obtain medical attention.
- 

**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 : In the event of fire, wear self-contained breathing apparatus. Use personal protective equipment.
- 

**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**

- Technical measures : Not applicable
- Advice on safe handling : No special precautions required.
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Conditions for safe storage : Keep in a dry, cool 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<br>(Form of exposure)    | Control parameters /<br>Permissible concentration | Basis    |
|------------------|------------|-------------------------------------|---|----------|
| Talc Non-Fibrous | 14807-96-6 | TWA (Dust)                          | 20 Million particles per cubic foot               | OSHA Z-3 |
|                  |            | TWA (Respirable fraction)           | 2 mg/m <sup>3</sup>                               | OSHA P0  |
|                  |            | TWA (Respirable particulate matter) | 2 mg/m <sup>3</sup>                               | ACGIH    |
|                  |            | TWA (respirable dust fraction)      | 2 mg/m <sup>3</sup>                               | OSHA P0  |
| aluminium        | 7429-90-5  | 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 (Respirable particulate matter) | 1 mg/m <sup>3</sup>                               | ACGIH    |
|                  |            | TWA (Total)                         | 15 mg/m <sup>3</sup>                              | OSHA P0  |
|                  |            | TWA (Respirable fraction)           | 5 mg/m <sup>3</sup>                               | OSHA P0  |
|                  |            | 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 dust)                    | 15 mg/m <sup>3</sup>                              | OSHA P0  |
|                  |            | TWA (respirable dust fraction)      | 5 mg/m <sup>3</sup>                               | OSHA P0  |

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|                         |             |                     |                                     |           |
|-------------------------|-------------|---------------------|-------------------------------------|-----------|
|                         |             | TWA (welding fumes) | 5 mg/m3                             | NIOSH REL |
|                         |             | TWA (Fumes)         | 5 mg/m3                             | OSHA P0   |
|                         |             | PEL                 | 5 mg/m3                             | CAL PEL   |
|                         |             | TWA (pyro powders)  | 5 mg/m3                             | NIOSH REL |
|                         |             | PEL                 | 5 mg/m3                             | CAL PEL   |
| Silica, amorphous fumed | 112945-52-5 | TWA (Dust)          | 20 Million particles per cubic foot | OSHA Z-3  |
|                         |             | TWA (Dust)          | 80 mg/m3 / %SiO2                    | OSHA Z-3  |
|                         |             | TWA (Dust)          | 20 Million particles per cubic foot | OSHA Z-3  |
|                         |             | TWA (Dust)          | 80 mg/m3 / %SiO2                    | OSHA Z-3  |

#### Personal protective equipment

|                          |   |
|--------------------------|---|
| Respiratory protection   | : No personal respiratory protective equipment normally required. |
| Hand protection          |   |
| Material                 | : Nitrile rubber  |
| Eye protection           | : Safety glasses  |
| Skin and body protection | : Remove and wash contaminated clothing before re-use.            |
| Protective measures      | : Avoid contact with skin.  |
| Hygiene measures         | : Avoid contact with skin, eyes and clothing.                     |

#### SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

|                              |                     |
|------------------------------|---------------------|
| Appearance                   | : liquid            |
| Color                        | : gray              |
| Odor                         | : characteristic    |
| Odor Threshold               | : No data available |
| pH                           | : Not applicable    |
| Melting point/freezing point | : is not determined |
| Boiling point/boiling range  | : is not determined |
| Flash point                  | : > 96 °C           |
|                              | Not applicable      |

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|  |  |
|--|--|
| 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                                | : 1.47 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                          |

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**SECTION 10. STABILITY AND REACTIVITY**

|                                  |                                     |
|----------------------------------|-------------------------------------|
| Chemical stability               | : The product is chemically stable. |
| Conditions to avoid              | : Not applicable                    |
| Hazardous decomposition products | : Stable under normal conditions.   |

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**SECTION 11. TOXICOLOGICAL INFORMATION****Acute toxicity****Product:**

|                     |   |
|---------------------|---|
| Acute oral toxicity | : Acute toxicity estimate : > 5,000 mg/kg<br>Method: Calculation method |
|---------------------|---|

**Skin corrosion/irritation**

No data available

**Serious eye damage/eye irritation**

No data available

**Respiratory or skin sensitization**

No data available

**Germ cell mutagenicity**

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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**

No data available

**Persistence and degradability**

No data available

**Bioaccumulative potential****Mobility in soil**

No data available

**Other adverse effects**No data available

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**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.

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**SECTION 14. TRANSPORT INFORMATION****International Regulations****IATA-DGR**

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

**IMDG-Code**

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

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.

**Domestic regulation****49 CFR**

Not regulated as a dangerous good

**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** : Respiratory or skin sensitization  
Germ cell mutagenicity  
Skin corrosion or irritation  
Serious eye damage or eye irritation

**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:

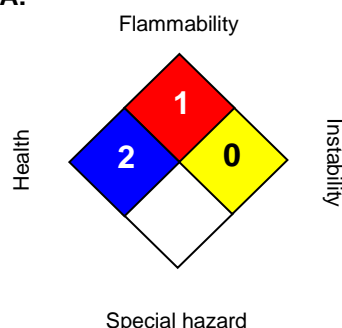
**TSCA** All substances listed as active on the TSCA inventory  
**DSL** All components of this product are on the Canadian DSL  
**Inventories Legend** TSCA (USA), DSL (Canada), REACH(Europe), AICS (Australia), NZIoC (New Zealand), ENCS (Japan), KECI (Korea), PICCS (Philippines), IECSC (China), TWINV (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:

|                        |           |
|------------------------|-----------|
| <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 because the H.B. Fuller Company has no control over the conditions of handling and use, the H.B.

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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.

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**SECTION 1. PRODUCT AND COMPANY IDENTIFICATION**

Product name : H.B. Fuller® Double Bubble Epoxy Machineable Part B (04002)  
Product code : 100000017869

**Manufacturer or supplier's details**

Company : H.B. Fuller Company  
Address : 1200 Willow Lake Boulevard  
Vadnais Heights, MN 55110  
Telephone : 1-888-423-8553

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.

**SECTION 2. HAZARDS IDENTIFICATION****Emergency Overview**

|            |            |
|------------|------------|
| Appearance | liquid     |
| Color      | amber      |
| Odor       | amine-like |

**GHS Classification**

Acute toxicity (Oral) : Category 4  
Skin corrosion : Category 1B  
Serious eye damage : Category 1  
Skin sensitization : Category 1  
Reproductive toxicity : Category 1B  
Specific target organ toxicity - single exposure : Category 1 (Lungs)  
Specific target organ toxicity - single exposure : Category 3 (Respiratory system)  
Specific target organ toxicity - repeated exposure : Category 2

**GHS label elements**

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Hazard pictograms

:



Signal Word

: Danger

#### Hazard Statements:

H302 Harmful if swallowed. H314 Causes severe skin burns and eye damage. H317 May cause an allergic skin reaction. H335 May cause respiratory irritation. H360F May damage fertility. H370 Causes damage to organs (Lungs). 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. P260 Do not breathe mist or vapors. P264 Wash skin thoroughly after handling. P270 Do not eat, drink or smoke when using this product. 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:** P301 + P312 + P330 IF SWALLOWED: Call a POISON CENTER/ doctor if you feel unwell. Rinse mouth. P301 + P330 + P331 IF SWALLOWED: Rinse mouth. Do NOT induce vomiting. P303 + P361 + P353 IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/ shower. P304 + P340 + P310 IF INHALED: Remove person to fresh air and keep comfortable for breathing. Immediately call a POISON CENTER/ doctor. 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. P307 + P311 IF exposed: Call a POISON CENTER or doctor/ physician. P333 + P313 If skin irritation or rash occurs: Get medical advice/ attention. P363 Wash contaminated clothing before reuse.

**Storage:** P403 + P233 Store in a well-ventilated place. Keep container tightly closed. 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 [%] |
|----------------------------|------------|-------------------|
| diethylmethybenzenediamine | 68479-98-1 | 30 - 50           |

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|  |            |         |
|--|------------|---------|
| 4,4'-isopropylidenediphenol              | 80-05-7    | 30 - 50 |
| 3,3'-oxybis(ethyleneoxy)bis(propylamine) | 4246-51-9  | 20 - 30 |
| Epoxy resin                              | 25068-38-6 | 5 - 10  |
| 2,2'-iminodi(ethylamine)                 | 111-40-0   | 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.  
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.  
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, : Refer to protective measures listed in sections 7 and 8.

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protective equipment and  
emergency procedures

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<br>(Form of<br>exposure) | Control<br>parameters /<br>Permissible<br>concentration | Basis   |
|--------------------------|----------|-------------------------------------|---|---------|
| 2,2'-iminodi(ethylamine) | 111-40-0 | TWA                                 | 1 ppm   | ACGIH   |
|                          |          | TWA                                 | 1 ppm<br>4 mg/m <sup>3</sup>                            | OSHA P0 |
|                          |          | PEL                                 | 1 ppm<br>4 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

: butyl-rubber

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|                          |   |
|--------------------------|---|
| Eye protection           | : Safety goggles<br>Face-shield<br>Ensure that eyewash stations and safety showers are close to the workstation location. |
| Skin and body protection | : Long sleeved clothing<br>Chemical resistant apron   |
| Protective measures      | : Avoid contact with skin.  |
| Hygiene measures         | : Avoid contact with skin, eyes and clothing.   |

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**SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES**

|  |   |
|--|---|
| Appearance                             | : liquid  |
| Color                                  | : amber   |
| Odor                                   | : amine-like                                    |
| Odor Threshold                         | : No data available                             |
| pH                                     | : Not applicable                                |
| Melting point/freezing point           | : is not determined                             |
| Boiling point/boiling range            | : is not determined                             |
| Flash point                            | : > 96 °C<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                                | : 1.09 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                             |

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**SECTION 10. STABILITY AND REACTIVITY**

|                    |                                     |
|--------------------|-------------------------------------|
| Chemical stability | : The product is chemically stable. |
|--------------------|-------------------------------------|

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Hazardous decomposition products : Stable under normal conditions.

**SECTION 11. TOXICOLOGICAL INFORMATION****Acute toxicity****Product:**

Acute oral toxicity : Acute toxicity estimate : 1,253 mg/kg  
Method: Calculation method

Acute dermal toxicity : Acute toxicity estimate : 2,316 mg/kg  
Method: Calculation method

**Components:****4,4'-isopropylidenediphenol:**

Acute oral toxicity : LD50 Oral Rat: 3,200 mg/kg

Acute dermal toxicity : LD50 Dermal Rabbit: 3,000 mg/kg

**2,2'-iminodi(ethylamine):**

Acute oral toxicity : LD50 Oral Rat: 819 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



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**STOT-repeated exposure**

No data available

**Aspiration toxicity**

No data available

**SECTION 12. ECOLOGICAL INFORMATION****Ecotoxicity****Components:****4,4'-isopropylidenediphenol :**

Toxicity to fish : LC50 (Pimephales promelas (fathead minnow)): 3.6 - 5.4 mg/l  
Exposure time: 96 h  
Test Method: flow-through test

Toxicity to daphnia and other : EC50 (Daphnia magna (Water flea)): 3.9 mg/l  
aquatic invertebrates Exposure time: 48 h  
Test Method: static test

Toxicity to algae : EC50 (Pseudokirchneriella subcapitata (microalgae)): 2.5 mg/l  
Exposure time: 96 h  
Test Type: flow-through test

**2,2'-iminodi(ethylamine) :**

Toxicity to daphnia and other : EC50 (Daphnia magna (Water flea)): 16 mg/l  
aquatic invertebrates Exposure time: 48 h  
Test Method: static 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 : 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

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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 1760  
Proper shipping name : Corrosive liquid, n.o.s.  
Class : 8  
Packing group : III  
Labels : Corrosive  
Packing instruction (cargo aircraft) : 856  
Packing instruction (passenger aircraft) : 852

**IMDG-Code**

UN number : UN 1760  
Proper shipping name : CORROSIVE LIQUID, N.O.S.  
  
Class : 8  
Packing group : III  
Labels : 8  
EmS Code : F-A, S-B  
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 1760  
Proper shipping name : Corrosive liquids, n.o.s.  
  
Class : 8  
Packing group : III  
Labels : CORROSIVE  
ERG Code : 154  
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.

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**SECTION 15. REGULATORY INFORMATION**

**SARA 311/312 Hazards** : Acute toxicity (any route of exposure)  
Respiratory or skin sensitization  
Reproductive toxicity  
Specific target organ toxicity (single or repeated exposure)  
Skin corrosion or irritation  
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:

4,4'-isopropylidenediphenol 80-05-7

**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  
**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

## SAFETY DATA SHEET

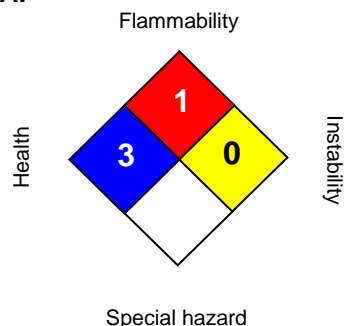
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#### Further information

##### NFPA:



##### HMIS III:

|                        |           |
|------------------------|-----------|
| <b>HEALTH</b>          | <b>4*</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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