



**H.B. Fuller® FP-1291-A**

Version 0.1

Revision Date 05/06/2015

**SECTION 1. PRODUCT AND COMPANY IDENTIFICATION**

Product name : H.B. Fuller® FP-1291-A  
Product code : 100000001837

**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 : Polyol  
Restrictions on use : For industrial use only.

**SECTION 2. HAZARDS IDENTIFICATION**


**Emergency Overview**

Appearance	liquid
Color	white
Odor	Neutral

**GHS Classification**

Acute toxicity (Inhalation) : Category 2

**GHS Label element**

Hazard pictograms : 

Signal Word : Danger

**Hazard Statements:**

H330 Fatal if inhaled.

**Precautionary Statements:**

**Prevention:** P260 Do not breathe dust/ fume/ gas/ mist/ vapors/ spray. P271 Use only outdoors or in a well-ventilated area. P284 Wear respiratory protection.

**Response:** P304 + P340 IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing. P310 Immediately call a POISON CENTER or doctor/ physician.

**Storage:** P403 + P233 Store in a well-ventilated place. Keep container tightly closed. P405 Store locked up.

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**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 ingredient of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by OSHA.

**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 [%]
Polyethylene glycol, propoxylated	9003-11-6	70 - 90
2,2',2''-nitrilotriethanol	102-71-6	1 - 5
glycerol	56-81-5	1 - 5

**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 symptoms persist, call a physician.

In case of skin contact : Wash off with soap and water.

In case of eye contact : In the case of contact with eyes, rinse immediately with plenty of water and seek medical advice.

If swallowed : Do not induce vomiting. Seek medical attention if symptoms develop. Provide medical care provider with this MSDS.

**SECTION 5. FIRE-FIGHTING MEASURES**

Suitable extinguishing media : Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.

Special protective equipment for fire-fighters : Wear self-contained breathing apparatus for firefighting if necessary.

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**SECTION 6. ACCIDENTAL RELEASE MEASURES**

Personal precautions, protective equipment and emergency procedures : Refer to protective measures listed in sections 7 and 8.

Methods and materials for containment and cleaning up : Scrape up.  
Soak up with inert absorbent material (e.g. sand, silica gel, acid binder, universal binder, sawdust).  
Shovel into suitable container for disposal.

**SECTION 7. HANDLING AND STORAGE**

Advice on safe handling : No special precautions are needed in handling this material.

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**

Ingredients	CAS-No.	Value type (Form of exposure)	Control parameters / Permissible concentration	Basis
2,2',2''-nitritotriethanol	102-71-6	TWA	5 mg/m <sup>3</sup>	ACGIH
glycerol	56-81-5	TWA (mist, respirable fraction)	5 mg/m <sup>3</sup>	OSHA Z-1
		TWA (mist, total dust)	15 mg/m <sup>3</sup>	OSHA Z-1
		TWA (Total)	10 mg/m <sup>3</sup>	OSHA P0
		TWA (Respirable fraction)	5 mg/m <sup>3</sup>	OSHA P0
		TWA	10 mg/m <sup>3</sup>	ACGIH

**Personal protective equipment**

Respiratory protection : No personal respiratory protective equipment normally required.  
In case of insufficient ventilation, wear suitable respiratory equipment.

Hand protection  
Material : Nitrile rubber

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Eye protection : Safety glasses

**SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES**

Appearance : liquid  
Color : white  
Odor : Neutral  
Odor Threshold : No data available  
pH : Not applicable  
Melting point/freezing point : not determined  
Initial boiling point and boiling range : not determined  
Flash point : Not applicable  
Evaporation rate : not determined  
Flammability (solid, gas) : Not classified as a flammability hazard  
  
Upper explosion limit : upper flammability limit  
Not applicable  
Lower explosion limit : lower flammability limit  
Not applicable  
Vapor pressure : not determined  
Density : 13 - 17 lb/scf  
Solubility(ies)  
Water solubility : dispersible  
Partition coefficient: n-octanol/water : No data available  
Autoignition temperature : not determined  
Viscosity  
Viscosity, kinematic : not determined  
Solid Content, % by weight: : 99.5

**SECTION 10. STABILITY AND REACTIVITY**

Chemical stability : The product is chemically stable.  
Possibility of hazardous reactions : Hazardous polymerization does not occur.  
Hazardous decomposition products : Stable under normal conditions.

**SECTION 11. TOXICOLOGICAL INFORMATION**

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**Acute toxicity**

**Product:**

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

Acute inhalation toxicity : Acute toxicity estimate : 106 ppm  
Exposure time: 4 h  
Test atmosphere: gas  
Method: Calculation method

**Ingredients:**

**Polyethylene glycol, propoxylated:**

Acute inhalation toxicity : LC50 rat: 0.32 mg/l  
Exposure time: 4 h

**2,2',2''-nitrilotriethanol:**

Acute oral toxicity : LD50 Oral rat: 4,190 mg/kg

Acute dermal toxicity : LD50 Dermal rabbit: > 20,000 mg/kg

**glycerol:**

Acute dermal toxicity : LD50 Dermal rabbit: > 10,000 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**

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No data available

**SECTION 12. ECOLOGICAL INFORMATION**

**Ecotoxicity**

**Ingredients:**

**2,2',2''-nitrilotriethanol :**

Toxicity to fish : LC50 (Lepomis macrochirus (Bluegill sunfish)): 450 - 1,000 mg/l  
Exposure time: 96 h  
Test Method: static test

Toxicity to daphnia and other aquatic invertebrates : EC50 (Daphnia magna (Water flea)): 1,386 mg/l  
Exposure time: 24 h  
Test Method: static test

Toxicity to algae : EC50 (Desmodesmus subspicatus (green algae)): 169 mg/l  
Exposure time: 96 h  
Test Type: flow-through test

**glycerol :**

Toxicity to fish : LC50 (Oncorhynchus mykiss (rainbow trout)): 51,000 - 57,000 mg/l  
Exposure time: 96 h  
Test Method: static test

Toxicity to daphnia and other aquatic invertebrates : EC50 (Daphnia magna (Water flea)): > 500 mg/l  
Exposure time: 24 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. Solidify and dispose of in an approved landfill. Consult state, local or provincial authorities

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for more restrictive requirements.

**SECTION 14. TRANSPORT INFORMATION**

**Special precautions for user**

Remarks : Not dangerous goods

**Domestic regulation**

**International Regulation**

**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** : No SARA Hazards

**SARA 302** : SARA 302: No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302.

**SARA 313** : SARA 313: This material does not contain any chemical components with known CAS numbers that exceed the threshold (De Minimis) report

**Clean Air Act**

The following chemical(s) are listed as HAP under the U.S. Clean Air Act, Section 12 (40 CFR 61):

**US State Regulations**

**California Prop 65** : This product does not contain any chemicals known to the State of California to cause cancer, birth, or any other reproductive defects.

**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.  
**REACH** : Not in compliance with the inventory

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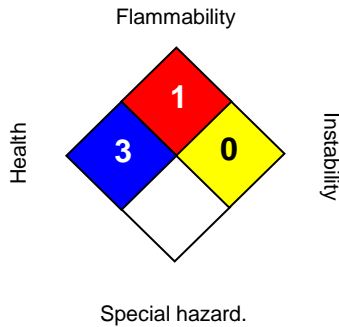
<b>AICS</b>	On the inventory, or in compliance with the inventory
<b>NZIoC</b>	Not in compliance with the inventory
<b>ENCS</b>	On the inventory, or in compliance with the inventory
<b>KECI</b>	On the inventory, or in compliance with the inventory
<b>PICCS</b>	Not in compliance with the inventory
<b>IECSC</b>	On the inventory, or in compliance with the inventory
<b>TWINV</b>	Not in compliance with the inventory
<b>Inventories Legend</b>	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>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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