



GF187U

February 15, 2019

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**SECTION 1. PRODUCT AND COMPANY IDENTIFICATION**

Product name : GF187U  
Product type : LIQUID ADHESIVE

**Manufacturer or supplier's details**

Company : The Gluefast Company, Inc.  
Address : 3535 Route 66, Bldg #1  
Neptune, NJ 07753 USA  
Telephone : 732-918-4600  
Medical Emergency Phone Number: 732-918-4614

**Recommended use of the chemical and restrictions on use**

Recommended use : Water based adhesive  
Restrictions on use : For industrial use only.

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**SECTION 2. HAZARDS IDENTIFICATION**

**Emergency Overview**

Appearance	Liquid
Color	Off-white
Odor	Sweet

**GHS Classification**

Reproductive toxicity : Category 1B

**GHS Label element**



Hazard pictograms :  
Signal Word : Danger

**Hazard Statements:**

H360 May damage fertility or the unborn child

**Precautionary Statements:**

**Prevention:** P201 Obtain special instructions before use. P202 Do not handle until all safety precautions have been read and understood. P280 Wear protective gloves/protective clothing/eye protection/face protection.

**Response:** P308 + P313 If exposed or concerned: Get medical advice/attention.

**Storage:** P405 Store locked up

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



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**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.

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**SECTION 3. COMPOSITION/INFORMATION OF INGREDIENTS**

Substance/Mixture : Mixture

**Hazardous Ingredients**

Chemical Name	CAS-No.	Concentration [%]
Dospdium tetraborate, anhydrous	1330-43-4	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.  
If symptoms persist, call a physician.

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

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. Seek medical attention if symptoms develop. Provide medical care provider with this MSDS.

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**SECTION 5. FIRE-FIGHTING MEASURES**

Suitable extinguishing media : Not combustible.

Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

Unsuitable extinguishing media : none

Specific hazards during fire fighting : Cool closed containers exposed to fire with water spray.

Specific extinguishing methods

Further information : This product is an aqueous mixture that will not burn. Dried product film will burn in a fire.



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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.
- Environmental precautions : No special environmental precautions required. Prevent product from entering drains.
- Methods and materials for Containment and cleaning up : Soak up with inert absorbent material (e.g. sand, silica gel, acid binder, universal binder, sawdust)

**SECTION 7. HANDLING AND STORAGE**

- Advice on safe handling : No special precautions are needed in handling this material.
- Conditions for safe storage : Keep container closed when not in use. Keep in a dry, cool place
- Materials to avoid : No special restrictions on storage with other products.
- Storage temperature :  $\geq 40$  °F

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

**Ingredients with workplace control parameters**

Ingredients	CAS-No.	Value type (Form of Exposure)	Control parameters/ Permissible concentration	Basis
Disodium tetraborate, Anhydrous	1330-43-4	TWA	10 mg/m <sup>3</sup>	OSHA P0
		TWA (Inhalable fraction)	2 mg/m <sup>3</sup>	ACGIH
		STEL (Inhalable Fraction)	6 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 : Nitrile rubber
- Material : Nitrile rubber
- Remarks : For prolonged or repeated contact use protective gloves.
- Eye protection : Safety glasses
- Protective measures : No special protective equipment required.



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**SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES**

Appearance	: liquid
Color	: off-white
Odor	: sweet
Odor Threshold	: No data available
pH	: 8.2 – 8.8
Melting point/freezing point	: 32 °F
Boiling point/boiling range	: 212 °F
Flash point	: Not applicable
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
Vapor pressure	: not determined
Relative vapor density	: not determined
Density	: 9 -9.400 lb/gal
Solubility(ies)	
Water solubility	: dispersible
Partition coefficient: n-octanol/water	: No data available
Autoignition temperature	: not determined
Viscosity	
Viscosity, dynamic	: 11,000 – 15,000 cP
Solid Content, % by weight	: 39 - 45

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**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.



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**SECTION 11. TOXICOLOGY INFORMATION**

**Acute toxicity**

**Product:**

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

**Ingredients:**

**Disodium tetraborate, anhydrous:**

Acute oral toxicity : LD50 Oral rat: 2,400 mg/kg  
Acute dermal toxicity : LD50 Dermal rabbit: > 2,000 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**

No data available

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**SECTION 12. ECOLOGICAL INFORMATION**

**Ecotoxicity**

**Ingredients:**

**disodium tetraborate, anhydrous :**

Toxicity to fish : LC50 (Fish): 340 mg/l  
Exposure time: 96 h  
Test Method: static test

Toxicity to daphnia and other aquatic invertebrates : EC50 (Daphnia magna (Water flea)): 1,085 – 1,402 mg/l  
Exposure time: 48 h  
Test Method: static test

Toxicity to algae : EC50 (Pseudokirchneriella subcapitata): 2.6 – 21.8 mg/l  
Exposure time: 96h  
Text type: static test

**Persistence and degradability**

No data available



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**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. Dispose of in an approved landfill. Consult your state, local or provincial authorities and your local waste vendor for more restrictive requirements. The hazard and precautionary statements displayed on the label also apply to any residues left in the container.

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**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.

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**SECTION 15. REGULATORY INFORMATION**

**SARA 311/312 Hazards** : Chronic Health Hazard

**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 product does not contain any chemical components with known CAS numbers that exceed the threshold (De Minimis) report



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**Clean Air Act**

This product does not contain any hazardous air pollutants (HAP), as defined by 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 California to cause cancer, birth, or any other reproductive defects.

**The ingredients of this product are reported in the following inventories:**

<b>TSCA</b>	On TSCA Inventory
<b>DSL</b>	All components of this product are on the Canadian DSL.
<b>REACH</b>	Not in compliance with the inventory
<b>AICS</b>	On the inventory, or in compliance with the inventory
<b>NZIoC</b>	Not in compliance with the inventory
<b>ENCS</b>	Not in compliance with the inventory
<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>	Not in compliance with the inventory
<b>TWINV</b>	Not 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)

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**SECTION 16. OTHER INFORMATION**

**This material safety data sheet contains changes from the previous version in sections:**

New Safety Data Sheet format.

The information and recommendations set forth herein are believed to be accurate. Because some of the information is derived from information provided to The Gluefast Company from its suppliers, and because the The Gluefast Company has no control over the conditions of handling and use, The Gluefast 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 The Gluefast Company assumes no responsibility for use or reliance thereon. It is the responsibility of the user of The Gluefast Company Products to comply with all federal, state and local laws and regulations.