



GF431

February 15, 2019

***SAFETY DATA SHEET ***

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SECTION 1. PRODUCT AND COMPANY IDENTIFICATION

Product name : GF431
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.

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.

SECTION 3. COMPOSITION/INFORMATION OF INGREDIENTS

Substance/Mixture : Mixture

Hazardous Ingredients

Chemical Name	CAS-No.	Concentration [%]
Dospdium tetraborate, anhydrous	1330-43-4	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 : 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.

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 : ≥ 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 ³	OSHA P0
		TWA (Inhalable fraction)	2 mg/m ³	ACGIH
		STEL (Inhalable Fraction)	6 mg/m ³	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 : For prolonged or repeated contact use protective gloves.
- Remarks : Safety glasses
- Eye protection : No special protective equipment required.
- Protective measures



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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	: 15,000 – 85,000 cP
Solid Content, % by weight	: 39 - 45

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

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

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.

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 : 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:

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

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.