

	Shenzhen Guanghua Weiye Co., Ltd Xiaogan Yisheng New Material Co., Ltd	The Document Number	GH-XG-YF-12
	Material Safety Data Sheet	Revision Date	2023.12.20

Material Safety Data Sheet

1. Material identification number

Product Name:ABS-CF filament

Manufacture/Supplier:

Shenzhen eSUN Industrial Co;Ltd

Website :www.brightcn.net

Address : 15AB, Microsoft Ketong Building, No. 55, Gaoxin South Nine Road, Yuehai Street, Nanshan District, Shenzhen, China

Postal code: 518057

TEL :(086)-0755-86581960

FAX: (086)-0755-26031982

Email:bright@brightcn.net

2. Composition/Molecular weight information

Main components:

Ingredient Name	CAS NO.	Content (%)
Acrylonitrile-butadiene-styrene copolymer	9003-56-9	92%
Carbon fibre additives		12%

3.Hazards Identification

Hazard Class: Dangerous goods, Class 4, Class 2, Petroleum

Health Hazards: Long term contact can make skin dry, chapped, induced dermatitis.

Environmental hazards:There are less harmful to the environment, air, water, environment and water pollution.

Deflagration hazard: It can burn.

4.First aid measures

Skin contact: Remove contaminated clothing and thoroughly rinse the skin with soap and water.

Eye contact: Lift the eyelids and rinse with flowing water or physiological saline. Seek medical attention.

Inhalation: Quickly remove from the scene to a place with fresh air and keep the respiratory tract unobstructed. If breathing is difficult, administer oxygen. If breathing stops, immediately undergo artificial respiration and seek medical attention.

Ingestion: Drink plenty of warm water, induce vomiting, and seek medical attention.

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5. Fire protection measures

Suitable extinguishing agents: carbon dioxide, extinguishing powder or water spray.
 Use water spray or water-resistant foam to extinguish large fires.
 It can release carbon monoxide and carbon dioxide in the event of a fire.
 Protective equipment: Wear self-contained breathing apparatus and full protective clothing.

6. Measures/steps to be taken in case of accidental release or overflow of materials

Personal Precautions: None needed
 Environmental precautions: None needed
 Methods for Cleanup: Vacuum or sweep up and place in a standard disposal container. Avoid the use of air jets.

7. Handling and Storage

Safe Handling:
 Keep containers tightly sealed.
 Storage:
 Store in cool, dry place in tightly closed containers.
 Ensure good ventilation/exhaustion at the workplace.
 Stay away from oxidizing agent.
 Protection against explosions and fires:
 Keep ignition sources away. No smoke.
 Requirement on storeroom and container:
 No special requirement.

8. Exposure Control Measures/ Personal protection

Exposure Guidelines: Fiber dust should be considered a nuisance dust, i.e. particulates (not otherwise classified): ACGIH Threshold Limit Value: 10mg/m³ total dust; 3-mg/m³ respirable dust.
 Engineering Controls: Local exhaust recommended to reduce exposure to fiber dust.
 Specific Personal Protective Equipment:

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Respiratory: For operations where inhalation exposure can occur, a NIOSH approved dust mask/respirator is recommended.

Eye: For operation where eye contact can occur, eye protection such as goggles or safety glasses is recommended.

9. Physical and Chemical Properties

Form: Solid

Smell: Not determined.

Change in condition:

Melting point/melting range: 180°C-200°C

Ignition temperature: Not determined

Decomposition Temperature: Not determined

Danger of explosion: Not determined

Vapor pressure: Not determined

Density at 25 °C: 1.07g/cm³

Solubility (Water): Not determined

10. Stability and Reactivity

Thermal decomposition to be avoided:

No decomposition if used and stored according to specifications.

Materials to be avoided:

Oxidizing agent.

Dangerous reactions:

No dangerous reactions known.

Dangerous products of decomposition: Carbon monoxide and carbon dioxide.

11. Toxicological Information

Acute toxicity:

LD/LC50 values that are relevant for classification:

Oral LD50 4290mg/kg(rat)

Dermal LD50 5990uL/kg(rabbit)

Primary irritant effect:

On skin: Irritant effect.

On eye: No sensitizing effect known.

Additional information:

To the best of our knowledge the acute and chronic toxicity of this substance is not fully known. No classification data on carcinogenic properties of this material is available from the EPA IAPV NTP OSHA or ACGIH.

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12. Ecological Information

Water hazard class 1(German regulations) (self assessment): slightly hazardous for water.

Do not allow undiluted product or large quantities of it to reach ground water, water bodies or sewage system.

Do not allow material to be released to the environment without proper governmental permits.

13. Disposal Considerations

Suggestion for product disposal:

Dispose of in a manner consistent with federal, state, and local regulations. Hand over to disposers of hazardous waste. Must be specially treated under adherence to official regulations.

Uncleaned package:

Disposal must be made according to official regulations.

14. Transport Information

No dangerous according to ADR/RID GGVS/GGVE IMDG/RID ICAO-TI.

15. Regulatory Information

International:

Canada :DSL/NDSL: Included on the Canadian Domestic Substance List.

Canada: WHMIS: Not a controlled product.

Europe: Not classified as dangerous according to Directive 1999/45/EC.

UN: Does not appear on the Dangerous Goods List.

Federal(U.S.):

EPA: Not regulated.

OSHA: Not hazardous under the criteria of Occupational Safety and Health Standard 29 CFR 1910 Subpart Z.

16. Other Information

Employers should use this information only as a supplement to other information gathered by them and should make independent judgement of suitability of this information to ensure proper use and protect the health and safety of the employees. This information is furnished without warranty and any use of the product not in

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conformance with this material safety date sheet or in combination with any other product or process is the responsibility of the user.

Contact:

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