

SAFETY DATA SHEET

Rhino Carbon Fiber™ CFRP 200 GSM/400 GSM/560 GSM/600 GSM | Revision Date 1/20/2021

8383 Riley Street,
Zeeland, MI USA 49464
P: +1 888 684 3889
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01: PRODUCT & COMPANY IDENTIFICATION

RHINO PRODUCTS USA, INC.
8383 Riley Street,
Zeeland, MI USA 49464

Product Use: Concrete Reinforcement Strap
Emergency Phone: 1 800 424 9300

Product Name: Rhino Carbon Fiber™ CFRP 200 GSM/400 GSM/560 GSM/600 GSM

02: HAZARDS IDENTIFICATION

Hazard statement:

Emergency overview: Products may present a nuisance dust hazard. Contact with the eyes or skin may cause mechanical irritation.

Eye: Dust may cause temporary irritation.

Skin: Dust may cause mild irritation. In some cases, the dust may cause allergic skin reactions.

Inhalation: Dust may cause mild irritation.

GH Classification: Not regulated

03: COMPOSITION / INFORMATION ON INGREDIENTS

Not WHIMS controlled.

04: FIRST AID MEASURES

General Advice: First aid personnel should pay attention to their own safety. Immediately remove contaminated clothing.

Inhalation: Remove from the area of the dust to fresh air. Seek medical attention if you feel unwell.

Skin Contact: Remove by taping skin with adhesive surface material. Wash affected areas thoroughly with soap and water.

Eye Contact: Flush eyes with water for 15 minutes. If symptoms persist, seek medical advice.

Ingestion: Clean mouth with water first and drink a large amount of water. Do not give anything by mouth to an unconscious person. Seek medical attention if necessary.

05: FIRE FIGHTING MEASURES

FIRE HAZARD DATA:

Flash Point: Greater than 200° F

Hazards during fire-fighting: Airborne fibers are electrically conductive. CO₂, CO and a minute amount of N₂, HCN and H₂O vapors may be formed during combustion.

Suitable extinguishing media: Use extinguishing agents that are suitable for surrounding circumstances. Special Fire Fighting Procedures: N/A

Protective equipment for fire-fighting: Firefighters should be equipped with self-contained breathing apparatus and turn-out gear.

06: ACCIDENTAL RELEASE MEASURES

Personal precautions: Use personal protective clothing. Avoid contact with the skin, eyes and clothing.

Environmental precautions: In case of spill, collect the spilled materials. If the material is not contaminated, put it into a clean container and it can be reused. Otherwise, dispose of it properly.

Cleanup: Keep in suitable, closed containers for disposal. Sweep up or vacuum up spillage and collect in a suitable container for disposal.

07: HANDLING AND STORAGE

Min./Max. Storage Temperatures: Avoid extreme temperatures.

Handling Precautions: Wear personal protective equipment (PPE) as per Section 8. Avoid dust formation. Airborne particles and filaments should be controlled to minimize skin irritation and electrical shorts in switch gears due to the conductivity of fiber.

Storage precaution: Keep container tightly closed and dry; store at a moderate temperature under cool and dry conditions.



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08: EXPOSURE CONTROLS/PERSONAL PROTECTION

General advice:	Provide local exhaust ventilation to control dust.
Hand protection:	Working gloves.
Eye protection:	Safety glasses.
Body protection:	Not applicable.
Other information:	OSHA and ACGIH (USA) have not established air contamination for carbon fibers. Under certain conditions, this substance may be nuisance dust. OSHA has an established standard for particulates not otherwise regulated (nuisance dust) set at 5 mg/m ³ (respirable fraction) and 15 mg/m ³ (total dust). ACGIH has established an exposure value of 3 mg/m ³ (respirable fraction) and 10 mg/m ³ (total).

09: PHYSICAL & CHEMICAL PROPERTIES

Form:	Woven fabric fibers
Odor:	Orderless
Appearance:	Black
pH:	Not applicable
Melting point:	> 3500°C
Flashpoint:	Not applicable
Evaporation rate:	Not applicable
Specific gravity:	1.79 (H ₂ O @ 4°C =1)
Solubility in water:	Insoluble

10: STABILITY AND REACTIVITY

Stability:	Normally stable when stored in original sealed containers in cool dry conditions. Not sensitive to chemical impact.
Substances to avoid:	Strong acids, strong bases, strong oxidizing agents, strong reducing agents.
Decomposition products:	No hazardous decomposition products are known. Under fire events, products of combustion and decomposition will depend on other materials present in the fire and the fire conditions. Burning will produce CO ₂ , CO and minute amounts of N ₂ , HCN and H ₂ O.
Prolonged exposure:	Avoid prolonged exposure to extreme heat. Avoid sources of ignition.

11: TOXICOLOGICAL INFORMATION

Acute toxicity:	No data available.
Skin corrosion/irritation:	No data available.
Serious eye damage/irritation:	No data available.
Respiratory or skin sensitization:	No data available.
Reproductive toxicity:	No data available.
Carcinogenicity:	No data available.

12: ECOLOGICAL INFORMATION

No available ecological data shows adverse effects.

13: DISPOSAL CONSIDERATIONS

Waste materials must be disposed in accordance with the Directive on Waste 2008/98/EC and any other applicable national or local regulations. Do not discharge into drains/surface or waters/groundwater. Dispose of material in a licensed facility.

14: TRANSPORT INFORMATION

UN number:	Not regulated.
Land transport (TDG):	Not classified as a dangerous good under transport regulations.
Marine transport (IMDG):	Not classified as a dangerous good under transport regulations.
Air transport (IATA/ICAO):	Not classified as a dangerous good under transport regulations.

15: REGULATORY INFORMATION

N.A.

16: OTHER INFORMATION

CAUTION: Carbon materials are electrical conductors. Take the necessary precautions to remove all risk of contact with a source of electricity. The information contained herein is, to the best of our knowledge and belief, accurate and current as of the date of this SDS. However, since the conditions of handling and use are beyond our control, we make no guarantee of results and assume no liability for damages incurred by use of this material. All chemicals may present unknown health hazards and should be used with caution. Although certain hazards are described herein, we cannot guarantee that these are the only hazards which exist. Final determination of suitability of the chemical is the sole responsibility of the user. No representation or warranties, either expressed or implied, as to its correctness or completeness, or as of merchantability, fitness for a particular purpose, or any other nature are made hereunder with respect to the information contained herein or the chemical to which the information refers or as to the results or reliance of this product. It is the responsibility of the user to comply with all applicable federal, state and local laws and regulations.



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