

**3DXTECH®**

Additive Manufacturing

**SAFETY DATA SHEET**

CARBONX™ HTN+CF

EFFECTIVE DATE: 08 / 01 / 2025

REVISION NUMBER: V1.0

**1 PRODUCT AND SUPPLIER INFORMATION****Product Identification:****Product Name:** CARBONX™ HTN+CF**Chemical Name:** Polyamide (PA)**Recommended Use:** Additive Manufacturing**Supplier Information:**

3DXTECH

904 36<sup>th</sup> Street SE, Suite B

Grand Rapids, MI 49508 (USA)

Phone (616) 214-7965

Email: INFO@3DXTECH.COM

Emergency Phone Number: (616) 214-7965

**2 HAZARDS IDENTIFICATION****Regulation (EC) NO 1272/2008:** Not classified as a dangerous product**Physical Hazards:** None**OSHA Regulatory Status:** This product is not considered hazardous by the 2012 OSHA Hazard Communication Standard (29 CFR 1910.1200)**3 COMPOSITION/INFORMATION ON INGREDIENTS**

Components	CAS No.	Concentration Range (%)
Polyamide Resin	25038-54-4	>80
Carbon Additives	308063-67-4	<20

**4 EMERGENCY FIRST AID****Eyes:** Flush with water for at least 15 minutes. Consult a physician if symptoms persist.**Skin Contact:** Wash with soap and water. For thermal burns from molten polymer, immediately flush with cold water. Do not attempt to remove cooled polymer from skin. Obtain medical attention.**Inhalation:** Leave exposed area and seek fresh air. If irritation persists, seek medical attention.**Ingestion:** **Not** likely due to nature of product. If ingested, drink plenty of water. Do not induce vomiting. Consult a physician if symptoms persist.

---

## 5 FIRE AND EXPLOSION HAZARD

---

**Extinguishing Media:** Water spray, dry chemical powder, alcohol-resistant foam, carbon dioxide (CO<sub>2</sub>).

**Safety Precautions:** Persons exposed to products of combustion should wear NIOSH approved self-contained breathing apparatus and full protective equipment.

**Hazardous Combustion Products:** Carbon monoxide, carbon dioxide, unburned hydrocarbons, nitrogen oxides, hydrogen cyanide, and Sulphur compounds.

---

## 6 ACCIDENTAL RELEASE MEASURES

---

**Spill or Release:** Clean up by vacuuming or sweeping to prevent falls. If molten, allow material to cool and place into an appropriate container for disposal. Avoid dispersal of dust into the air.

---

## 7 HANDLING AND STORAGE CONDITIONS

---

**Storage and Handling Precautions:** Store in a dry, cool, sprinkler-equipped warehouse. The product as shipped is not a combustible dust. Mechanical handling can cause the formation of dusts. To reduce the risk of dust explosion, do not permit dust to accumulate or for the buildup of electrostatic charge.

**Waste Disposal:** Dispose in accordance with applicable federal, state and local regulations.

---

## 8 EXPOSURE AND PROTECTION INFORMATION

---

**Exposure Limits:** This product does not contain any hazardous materials with occupational exposure limits established by the region specific regulatory bodies.

**Respiratory Protection:** A NIOSH-approved respirator is recommended for protection against processing polymeric fumes, or from dust generated from grinding, sanding, or sawing operations.

**Ventilation:** Local exhaust is preferred.

**Hand and Body Protection:** Canvas or cotton gloves are recommended.

**Eye Protection:** Safety glasses with side shields are recommended.

**Other:** No additional protective equipment is needed under normal use conditions.

---

## 9 PHYSICAL/CHEMICAL DATA

---

**Form:** Solid

**Appearance:** Black Filament

**Odor:** Characteristic

**Freezing Point:** N/A

**Solubility in Water:** Insoluble

**Specific Gravity:** >1

**% Volatile:** N/A

**Boiling Range:** N/A

**Vapor Pressure (MM HG):** Negligible

**Melting Point:** 230°C

**Note:** Those physical data are typical values based on material tested but may vary from sample to sample. Typical values should not be construed as a guaranteed analysis of any specific lot or as specifications for the product.

---

## 10 STABILITY AND REACTIVITY

---

**Polymerization Conditions to Avoid:** None

**Chemical Stability:** Stable under normal conditions

**Conditions to Avoid:** Incompatible materials, including strong oxidizing agents. Avoid heat and ignition sources. Avoid moisture.

**Hazardous Decomposition Products:** Thermal decomposition can yield intense heat, dense smoke, carbon dioxide, carbon monoxide, nitrogen oxides, hydrogen cyanide, Sulphur oxides, and organic acids.

---

## 11 TOXICOLOGICAL INFORMATION

---

No specific toxicological information is available.

---

## 12 ECOLOGICAL INFORMATION

---

No specific ecological information is available.

---

## 13 DISPOSAL

---

**Waste Disposal:** Waste or unused product may be discarded in accordance with state, federal, and local regulations.

---

## 14 TRANSPORT INFORMATION

---

**Land Transport (DOT):** Non-Regulated

**Sea Transport (IMDG):** Non-Regulated

**Air Transport (ICAO/IATA):** Non-Regulated

---

## 15 REGULATORY INFORMATION

---

**TSCA:** Complies

**EINECS/ELINCS:** N/A

**DSL/NDSL:** Complies

**PICCS:** N/A

**ENCS:** Complies

**IECSC:** Complies

**AICS:** Complies

**KECL:** Complies

---

## 16 MISCELLANEOUS INFORMATION

---

Prepared by: Business Management

Issued: 08/01/2025

Supersedes: N/A

This information set forth herein has been gathered from standard reference materials and/or supplier test data and is, to the best knowledge and belief of 3DXTECH, accurate and reliable. Such information is offered solely for your consideration, investigation and verification, and it is not suggested or guaranteed that the hazard precautions or procedures mentioned are the only ones which exist. 3DXTECH makes no warranties, expressed or implied, with respect to the use of such information or the use of the specific material identified herein combination with any other material or process, and assumes no responsibility therefore.

**END OF SDS**