



## MATERIAL SAFETY DATA SHEET

### Section 1: IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND COMPANY

<b>PRODUCT NAME:</b> Graphite Felt
<b>PART NO.:</b> GFxxx, x=0~9
<b>MANUFACTURER:</b> CeTech Co., Ltd. No.48, Xuetian Rd., Wuri, Taichung 41456 Taiwan (R.O.C.) Office: 886-4-2337-3348 Fax: 886-4-2337-3990 Website: <a href="http://www.ce-tech.com.tw/index.html">www.ce-tech.com.tw/index.html</a>
<b>EMERGENCY PHONE# / FAX#:</b> 886-4-2337-3348 / 886-4-2337-3990

### Section 2: COMPOSITION/INFORMATION ON INGREDIENTS

Mixture:

<b>INGREDIENT NAME:</b> Carbon Fiber
<b>OTHER NAME:</b> Graphite Felt
<b>CAS NO.:</b> 7440-44-0
<b>CONTENTS:</b> > 97%

### Section 3: HAZARDS IDENTIFICATION

<b>HAZARDS IDENTIFICATION:</b> This product is not classified as hazardous under the current CHIP regulations
<b>ADVERSE HUMAN HEALTH EFFECTS:</b> Irritating to eyes. Irritating to respiratory system. Irritating to skin. May cause rash or external ulcers.
<b>ENVIRONMENTAL EFFECTS:</b> When products are broken, short carbon fibers and carbon particles may be produced. These particles may cause short circuits of electrical apparatus.
<b>PHYSICAL AND CHEMICAL HAZARDS:</b> Flammable
<b>SPECIFIC DANFER HAZARD:</b> —
<b>SUMMARY OF MOST IMPORTANT INFORMATION ON HAZARDS:</b> —

### Section 4: FIRST AID MEASURES

<b>INHALATION:</b> Move the exposed person to fresh air at. Provide fresh air, warmth and rest, preferably in a comfortable upright sitting position. Get medical attention if any discomfort continues.
<b>INGESTION:</b> Give water to drink to dilute. If large amounts of dust are swallowed seek medical attention
<b>SKIN:</b> Not expected to require first aid measures. Wash affected areas with large amounts of running water and soap, if available for at least 15 minutes. Remove contaminated clothing and shoes. Seek medical advice if irritation develops. Wash contaminated clothing and shoes before reuse.
<b>EYES:</b> Immediately rinse eyes with running water. Remove any contact lenses and continue flushing with running water for at least 15 minutes. Hold eyelids apart to ensure rinsing of the entire surface of the eyes and lids with water. Get medical attention if any discomfort continues.

### Section 5: FIRE FIGHTING MEASURES

**EXTINGUISHER MEDIA:** Fire can be extinguished using: water spray, fog, or mist; alcohol resistant foam, dry chemical, or carbon dioxide (CO<sub>2</sub>).

**SPECIFIC HAZARDS WITH REGARD TO FIRE-FIGHTING MEASURES:**

When products are burned, short carbon fiber and carbon particles may be produced. They may cause short circuits of electrical apparatus.

**PROTECTIVE MEASURES IN CASE OF FIRE:**

As in any fire, wear NIOSH approved, positive pressure, self-contained breathing apparatus, and full protective gear.

## Section 6: ACCIDENTAL RELEASE MEASURES

**MEASURES FOR HANDLING PERSONNEL:** —.

**MEASURES FOR ENVIRONMENTAL EFFECTS:** —.

**MEASURES WHEN HANDLING SPILLED SUBSTANCES:**

Sweep up, place in a bag and hold for waste disposal. Avoid raising dust.

## Section 7: HANDLING AND STORAGE

**USAGE PRECAUTIONS:** Wear appropriate protective equipment (See Section 8). Practice good personal hygiene after using this material, especially before eating, drinking, smoking or using the toilet.

**STORAGE PRECAUTIONS:** Store in a cool, dry ventilated area. Protect against physical damage. Keep away from moisture and oxidizers.

## Section 8: EXPOSURE CONTROLS AND PERSONAL PROTECTION

**ENGINEERING CONTROLS:**

Use engineering controls to minimize generation of airborne particulate during material handling and processing operations.

**AIRBORNE EXPOSURE LIMITS**

TWA	STEL	CEILING	BEIs
5mg/m <sup>3</sup>	—	—	—

**PERSONAL PROTECTIVE EQUIPMENT:**

Respiratory protection: If dust is generated and ventilation is inadequate, use protective mask.

Hand protection: S37-Wear suitable gloves.

Eye Protection: Wear protective eyeglasses or chemical safety goggles.

**HYGIENIC WORK PRACTICES:**

Wash at the end of each work shift and before eating, smoking, or using the lavatory. Launder clothing separate from other clothing.

## Section 9: PHYSICAL AND CHEMICAL PROPERTIES

<b>APPEARANCE:</b> Solid	<b>SHAPE:</b> piece or rolled
<b>COLOR:</b> Black	<b>ODOR:</b> None
<b>pH:</b> —	<b>MELTING POINT:</b> 3,350°C
<b>DECOMPOSITION TEMPERATURE:</b> —	<b>FLASH POINT:</b> —
<b>IGNITION TEMPERATURE:</b> —	<b>EXPLOSION:</b> —
<b>VAPOR PRESSURE:</b> —	<b>VAPOR DENSITY:</b> —
<b>DENSITY:</b> 0.2~0.6	<b>SOLUBILITY:</b> Insoluble in water or organic Solvents

## Section 10: STABILITY AND REACTIVITY

**STABILITY:** Stable Under ordinary conditions of storage and use

**POSSIBLE HAZARDS WITH REGARD TO SPECIAL CONDITION:**

When products are burned, short carbon fiber and carbon particles may be produced. They may

cause short circuits of electrical apparatus.
<b>CONDITIONS TO AVOID:</b> Moisture and incompatibles.
<b>INCOMPATIBLES:</b> Strong Oxidizers such as ozone, chlorine, permanganate may result in rapid combustion. Avoid contact with strong acids
<b>HAZARDOUS DECOMPOSITION PRODUCTS:</b> Involvement in a fire causes electrically conductive airborne particulate, carbon monoxide, carbon dioxide.

## Section 11: TOXICOLOGICAL INFORMATION

<b>ACUTE TOXICITY:</b> —
<b>LD50:</b> —
<b>LC50:</b> —
<b>EFFECTS ON SKIN, EYES AND OTHERS:</b> May cause irritation
<b>ALLERGENIC AND/OR SENSITIZING EFFECTS:</b> May cause itching
<b>CHRONIC AND /OR LONG TERM TOXICITY:</b> —
<b>OTHERS:</b> —

## Section 12: ECOLOGICAL INFORMATION

<b>ENVIRONMENTAL HAZARDS:</b> Not regulated as dangerous for the environment
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## Section 13: DISPOSAL CONSIDERATIONS

<b>DISPOSAL METHODS:</b> Processing, use, or contamination of this product may change the waste management options. Dispose of in accordance with federal, state, and local requirements (state and local disposal regulations may differ from federal disposal regulations).
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## Section 14: TRANSPORTATION INFORMATION

<b>INTERNATIONAL GUIDE LINE:</b> —
<b>U.S. DOT, UN/NA NO.:</b> —
<b>SPECIFIC SAFETY MEASURES AND CONDITIONS ON TRANSPORT:</b> —

## Section 15: REGULATORY INFORMATION

<b>TSCA(USA) No.:</b> 7440-44-0, 7782-42-5
<b>EINECS No.:</b> 231-153-3
<b>CAS:</b> 7440-44-0, 7782-42-5
<b>OTHER REGULATORY INFORMATION:</b> Ensure this material is in compliance with federal requirements and ensure conformance to local regulations.

## Section 16: OTHER INFORMATION

<b>REFERENCE</b>	MSDS of Raw Materials. Carbon Fiber "TORAYCA"
<b>EDITOR</b>	Name: CeTech Co., Ltd.
	Address/Phone #: No.48, Xuetian Rd., Wuri, Taichung 41456 Taiwan (R.O.C.) /886-4-2337-3348
<b>ISSUED DATE</b>	2021/01/01
<b>REMARKS</b>	The Symbol, " — ", means "No information found".

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