

2020.5.14

## SAFETY DATA SHEET

### 1: Product and Company Identification

---

Name of product	Carbon fiber spread tow fabric
Name of company	SAKAI OVEX Co., Ltd.
Address	15-1, Hanandohnaka 2-Chome, Fukui-City, 918-8530, Japan
Department	Advanced Composite Material Department
Tel	+81-778-34-8680
Fax	+81-778-34-2012
Product number	MT-3203
Reference number	SACM-Y-036E

### 2: Hazardous Ingredients

---

GHS classification	
Physicochemical risk	Not classified
Healthy hazardousness	Not classified
Environmental hazardousness	Not classified

### 3: Composition and Ingredient Information

---

Single or Mixtures	Mixtures	
Generic name	Carbon fiber	Sizing resin
Content rate	> 97%	< 3%
CASNo	7440-44-0(Carbon)	Not published
	308063-67-4(Carbon fiber)	

### 4: First Aid

---

In case of inhalation

Move a victim to fresh air space and wash inside mouth with water.

Then, seek medical advice.

When breathing is difficult, give artificial respiration, and do medical treatment immediately.

In case of contact with skin

Remove by tapping skin with adhesive surface of the adhesive material, such as scotch tape.

Wash immediately with plenty of water and soap.

In case of contact with eyes

Rinse immediately with plenty of water and seek medical advice.

In case of ingestion

Drink plenty of water and vomit with water.

Seek medical advice.

※These are measures relating to dust and fly (short fiber) scattering of concern during cutting and processing operations.

## **5: Measures in case of fire**

---

Fire extinguishing method and Suitable extinguishing agents

Water, a bubble, powder, carbon dioxide

Special hazards arising from the product

Toxic fumes or gas formed during combustion (Carbon monoxide)

Specific fire-fighting measures

Protect surrounding equipment by spraying water from a safe distance.

Special protective actions for fire-fighters

Since gas such as carbon monoxide can generate for the combustion, the fire fighter wears a suitable protection tools and respirator etc.

## **6: Measures to take in case of accidental dispersion**

---

Personal precautions, protective equipment and emergency procedures

When collecting, avoid inhalation of dust and wear appropriate protective equipment to prevent direct contact with the skin. See Section 8 for SDS for protective equipment.

Personal precautions, protective equipment and emergency procedures

Nothing in particular.

Environmental precautions

Nothing in particular.

Methods and materials for containment and cleaning up

Carefully sweep up and remove.

## **7: Handling and Storage**

---

Precautions for safe handling

Local Exhaust: Recommended when appropriate to control employee-exposure.

Wear appropriate personal protective equipment.

Carbon fiber is electrically conductive and may cause an electrical shot.

Wash the part of body that touch the product thoroughly after handling.

Do not eat or smoke while working.

Take precautionary measures against electrostatic discharges.

Local or general exhaust ventilator should be used where dust and fly are generated by cutting or processing Carbon Fiber.

Prevent deposition of dust.

Carbon Fiber is electrically conductive, and it can cause the short-circuiting trouble of electrical equipment.

Please take precautionary measures to prevent carbon fiber dust or fly.

#### Conditions for safe storage

Protect from sunlight.

Low humidity is recommended.

Keep away from trash or water in order to avoid contamination.

### **8: Exposure Control / Individual Protection**

---

#### Equipment measures

Local ventilator is used where dust and fly are generated by cutting or processing Carbon Fiber.

The ventilator for the entire operation area is needed.

Filter in ventilation is requested to prevent dust and fly from being discharged into open air.

#### Protective equipment

Hand Selection of gloves will depend on operation.

Eyes Wear protective glasses or safety goggles.

Breathing For most conditions, no respiratory protection should be needed, however, in dusty atmospheres, use an approved dust respirator.

Skin Wear long sleeve clothing or long trousers.

### **9: Physical and Chemical Properties**

---

Shape, color, odor	Solid, focused fiber, black, odorless
Boiling point, melting point	No data available
Flash point, ignition point	No data available
Explosive	No data available
Vapor pressure, vapor density	No data available
Solubility	No data available
Density	About 1.8 g/cm <sup>3</sup>

### **10: Stability and Reactivity**

---

Stability Stable at normal temperature and pressure.

Reactivity This product is considered a stable material under normal and anticipated storage and handling conditions.

Resin sizing sometimes changes under some environment conditions.

#### Conditions to avoid

Oxidization slowly proceeds in the air of 240 degrees Centigrade and more, and sometimes becomes red heat condition.

#### Hazardous substances to occur

Carbon monoxide, carbon dioxide, the harmful gases generated by combustion

### **11: Toxicological Information**

---

## Acute toxicity

Oral	There is currently no useful data
Inhalation	There is currently no useful data
Transdermal	There is currently no useful data

## Skin irritation / corrosion

Eyes	The composition, which cause the serious eye irritation, is contained.
Skin	The composition, which cause the skin irritation, is contained.
Sensitization	The composition, which cause the sensitization, is contained.
Carcinogenic	There is currently no useful data
Mutagenicity	There is currently no useful data

**12: Ecological Information**

---

Fish toxicity	There is currently no useful data
Mobility	There is currently no useful data
Persistence / degradability	This product does not decompose in soil or water
Bioaccumulation potential	There is currently no useful data

**13: Considerations Concerning Disposal**

---

## Method of disposal

As industrial waste, processed in accordance with regulations of local governments.

Landfill is appropriate to the soil. Incineration is not.

## Disposal method of used containers

As industrial waste, processed in accordance with regulations of local governments.

## Caution in performing neutralization, and incineration

Carbon fiber is not completely burned in the general trash incinerator.

The embers of the fly cause the electric short circuit accident in a furnace for electrostatic precipitators

**14: Information regarding transportation**

---

## Safety measures in the transportation

Be careful about fire, water leak, pollution with other materials.

**15: Other Information**

---

The making date and revision information      May 14, 2020

## Others

This information herein is given in good faith but no warranty, express or implied, is made. To the best of our knowledge, the information contained herein is accurate.

However, we can't assume any liability whatsoever for the accuracy or completeness of the information contained herein. Final determination of suitability of any material is the sole responsibility of the user. All materials may

present unknown hazards and should be used in caution. Although certain hazards are described herein, we cannot guarantee that these are the only hazards which exist. The information relates to this specific material. It may not be valid for this material, if used in combination with any other materials or in any process. It is the user's responsibility to satisfy himself as to the suitability and completeness of this information for his own particular use.

You should execute the adequate test before using this material in the view of safety and suitability for your purpose under your responsibility.