

# The Safety Instruction of Carbon Fiber

## Notice on handling

1. Please do not “rub” when CarbonFiber adheres to your skin and feels itchy. A string of CarbonFiber is just like a thin wire. Rubbing causes inflammation of your skin. When it adheres to your skin, please wash with soap. In addition, an effective way to remove is using packing tape or scotch tape. The itches are usually temporary. The stuck CarbonFiber will leave off in half a day, and the itches will be gone.
2. Do NOT handle CarbonFiber near electronic equipments. When fiber goes into a switch or control equipments, short-circuit may occur.
3. Do NOT cut the CarbonFiber water purification materials, or it goes to pieces.
4. Please keep in mind that it will cause generating of fluff, dust or fly, when you touch with a hand directly. Because it is weak to compressive force.

## First-aid treatment

1. Eyes: If you wear contact lens and fiber gets into your eyes, remove contact lenses immediately and wash eyes with clean running water for more than 15 minutes.
  2. Skins: Wash with running water using soap. Patting at skins with an adhesive face of things like packing tape is also effective.
  3. Inhalation: Immediately wash your mouth with water.
  4. Swallowing: After drinking a large amount of water, vomit it with the water.
- \* In each of above cases, treatment by medical doctors are necessary immediately, if and when any abnormal syndrome remains.

## Operation of purification materials

1. By setting up CarbonFiber water purification materials in polluted water, contaminants and microorganisms stick to it at first. Microorganisms activates gradually, and decompose contaminants.
2. When surplus sludge stick to CarbonFiber and decomposition speed becomes slow, please wash sludge out from the water. Then put into polluted water again.
3. Keep it in wet condition when put CarbonFiber out of the polluted water temporarily.
4. CarbonFiber can use for a long term in good condition because it does not deteriorate or rot.
5. Before you use CarbonFiber, please rinse lightly with water once in a tank or a small pond since CarbonFiber treated with sizing.
6. When CarbonFiber is installed in the intense place of the flow velocity it will cause to come apart since CarbonFiber is weak to compressive force.
7. Inorganic substances which are sand or dirt is not disassembled even if it adsorbs. It causes a fracture to a filament of CarbonFiber, if larger diameter or more heavy particle than it adsorb to CarbonFiber. In the case of muddy water with many inorganic substance ingredients, please be careful at the installation method or maintenance management.

## Caution about disposal of waste

1. Distinguish CarbonFiber wastes from “flammable wastes”, it should be regarded as “nonflammable wastes” or “industrial wastes”. CarbonFiber are categorized as “plastics wastes”.
2. If there is a rule of garbage systems in your area, please follow a local authority.
3. Disposing to landfill is an appropriate method.
4. Destruction by fire is irrelevant method. CarbonFiber wastes is not burnt out completely in conventional incinerator.