

## Material Safety Data Sheet

### SECTION 1: PRODUCT IDENTIFICATION

Product Name: PNE® SS-9054 Steel Fibers  
(Steel Fiber)  
CAS: N/A  
Chemical Formula: N/A  
Product Use: Concrete Reinforcement  
Name of Company: Pioneer Scientific Industry (Nanjing) Co., Ltd  
Address: No.3 Jingming Road, Binjiang Develop Zone, Jiangning, Nanjing, China.  
Zip Code: 211161  
Telephone Number: +86-25-86218319

### SECTION 2: COMPOSITION INFORMATION

Steel Fibers are made by cutting steel or wire, etc.  
Percentage: 100% steel  
Not a hazardous substance or mixture.  
Not a hazardous substance or mixture.  
Other hazards : None known.

### SECTION 3: HAZARDS IDENTIFICATION

This product is not a health hazard.  
Not categorized as hazardous or harmful material.  
Primary routes of entry: Inhalation, skin, eye.  
Hazard Classification: N/A  
Components: No hazardous ingredients.

### SECTION 4: FIRST AID MEASURES

**General advice:** No hazards which require special first aid measures.

**Delayed:** No known significant effects or hazards.

**Eye Contact:**

Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes.  
Do not rub or scratch eyes.

**Skin Contact:**

Wash off immediately with soap and cold water.

DO NOT use warm water because this will open the pores of the skin, which will cause further penetration of the fibers.

DO NOT rub or scratch affected areas.

Remove contaminated clothing.

If skin irritation persists, call a physician.

**Inhalation:**

If inhaled, move to fresh air immediately and seek medical attention.

**SECTION 5: FIRE FIGHTING PROCEDURES**

Steel Fiber products are not flammable, are incombustible and do not support combustion.

Suitable Extinguishing Media:

water, dry chemical, foam, carbon dioxide (CO<sub>2</sub>).

Protective Equipment and Precautions for Firefighters:

Wear self-contained breathing apparatus and full fire-fighting protective gear.

**SECTION 6: SPILL/LEAK CLEANUP PROCEDURES**

Environmental Risk: Steel fibers are not readily biodegradable and may have adverse effects on the environment. Proper disposal methods should be followed in accordance with regulations.

CONTROL PROCEDURES:

-To shovel the product into suitable container and could be treated as non-hazardous substance.

-Use an industrial vacuum cleaner with a high efficiency filter to clean up dust and residual spilled material.

CLEANING PROCEDURES:

-Clean and collect the product. Put it into a suitable container for further handling. If the product is not contaminated, either reuse, or dispose of it according to local legislation.

-Completely clean the spill / leak areas.

-Wear suitable protection clothing during the cleaning process

-Avoid spreading the dust around during the cleaning process.

-After cleaning, flush away with water.

**SECTION 7: HANDLING AND STORAGE**

**GENERAL MEASURES:**

-Stored at dry and well-ventilated areas.

-Fire and Explosion: Normal measures for preventive fire protection.

-Store in a warehouse that is protected with a fire sprinkler system.



Odor:	None
Density:	7-8 g/cm <sup>3</sup>
Melting Point:	> 2,552 °F (1,400 °C)
Solubility:	Stable, avoids contact with strong oxidizing agents.

#### **SECTION 10: STABILITY AND REACTIVITY**

Chemical Stability:	Stable under normal conditions.
Chemical stability:	The product is chemically stable.
Possibility of hazardous reactions:	Stable under recommended storage conditions.
Conditions to avoid:	No data available.
Incompatible materials:	No data available.
Possibility of Hazardous Reactions:	Hazardous reaction does not occur.

#### **SECTION 11: TOXICOLOGICAL INFORMATION**

Acute Toxicity: N/A

Skin corrosion/irritation: Not classified based on available information.

Serious eye damage/eye irritation: Not classified based on available information.

Respiratory or skin sensitization: Not classified based on available information.

Respiratory sensitization: Not classified based on available information.

Germ cell mutagenicity: Not classified based on available information.

Carcinogenicity: Not classified based on available information.

IARC: N/A

OSHA: N/A

NTP: N/A

#### **SECTION 12: ECOTOXICITY**

Ecology Toxicity: N/A

Biodegradability: N/A

Non-Biodegradability: N/A

The fibers are not associated with any ecological problems.

The fibers are not biodegradable.

This material is not expected to cause harm to animals, plants, or fish.

#### **SECTION 13: DISPOSAL CONSIDERATIONS**

Unused products should be treated as non-hazardous waste, products should be recycled as much as possible. Otherwise, deposit in landfill according to local regulation.

**SECTION 14: TRANSPORTATION DATA**

According to IMO IMDG CODE, it does not belong to hazardous goods, and it is packaged according to the packaging requirement of ordinary goods.

Dangerous Goods No: N/A

UN No: N/A

Packaging Label: N/A

Packaging Type: N/A

Packaging Method: N/A

Precaution regarding transportation: No special regulations for this product. Complete packaging and proper loading; Use suitable containers to avoid leaking, toppling down, falling, or damaging products during transportation.

**SECTION 15: REGULATORY INFORMATION**

Refer to China, Europe Union, United States, and international standards.

This product is not hazardous according to European Regulation 1272/2008.

**SECTION 16: Others**

Department of Filling form: Technical Department

Date of issue: June.2.2010

Department of Data Auditing: N/A

**Instruction for amendment:**

All information contained herein is presented in good faith and without any warranty, including a warranty of the fitness of the information for a particular purpose.

This MSDS is made according to the present data we have, in the purpose of describing the health, safety and environment requirements of this product so that all parties can have a better understanding and trust on this product. The information provided is just for reference and please be reminded that the safety precautions described above are not unique.

Therefore, this MSDS cannot serve as evidence or proof on any safety issues. Any party has the responsibility to finish the safety tests of this product to examine whether this product can satisfy your application.

This Material Safety Data Sheet information does not exempt the product user to respect all legislative, regulatory, and administrative texts related to the product safety, hygiene, human health, and environmental protection of his country.

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