



**MATERIAL SAFETY DATA SHEET**

▶ **SECTION 1: MATERIAL AND SUPPLIER INFORMATION**

<b>Product Name</b>	Gravels / Pebbles
<b>Applicable In</b>	India
<b>Other Names</b>	River Pebbles
<b>Recommended Use</b>	Water Filtration, Pathways, Construction, Garden beds.
<b>Company Details</b>	Starke Aquacare Technologies 17, Najafgarh Road, New Delhi 110015 India
<b>Telephone</b>	ND 91 11 47009571

This Material Safety Data Sheet (MSDS) is issued by Starke Aquacare Technologies. The information in it must not be altered, deleted or added to. Starke Aquacare Technologies will not accept any responsibility for any changes made to its MSDS by any other person or organization. Starke Aquacare Technologies will issue a new MSDS when there is a change in product specifications and/or ISCC standards, guidelines or regulations.

▶ **SECTION 2: HAZARDS IDENTIFICATION**

<b>Statement of Hazardous Nature</b>	This product is classified as NOT Hazardous Non dangerous Goods
<b>Risk Phrases</b>	None
<b>Safety Phrases</b>	None

▶ **SECTION 3: COMPOSITION / INFORMATION ON INGREDIENTS**

Chemical Name	Proportion	CAS Number	
River Pebbles	80%		14808-60-7

▶ **SECTION 4: FIRST AID MEASURES**

<b>Swallowed</b>	Do not induce vomiting. Give water to drink. If symptoms persist, seek medical attention.
<b>Eyes</b>	Unlikely exposure route.
<b>Skin</b>	Unlikely exposure route.

**Inhaled** Unlikely exposure route.  
**Advice to Doctor** Treat symptomatically.

## ▶ SECTION 5: FIRE FIGHTING MEASURES

<b>Flammability</b>	Not flammable. Does not cause dust explosions.
<b>Suitable extinguishing media</b>	Not applicable.
<b>Hazards from combustion</b>	None.
<b>Special protective precautions and equipment for fire fighters</b>	None.
<b>Hazchem Code</b>	None Allocated

## ▶ SECTION 6: ACCIDENTAL RELEASE MEASURES

**Spills** Spills are best cleaned up by broom and shovel.

## ▶ SECTION 7: HANDLING AND STORAGE

<b>Handling</b>	Handling should be in accordance with Manual handling regulations. Lifting of bags without due care and attention could result in personal injury. Unless you have been trained in correct lifting techniques, a two person lift is recommended.
<b>Storage</b>	No special storage precautions.
<b>Incompatibilities</b>	None
<b>Transport</b>	Transportation is by rail, road or ship.

## ▶ SECTION 8: EXPOSURE CONTROLS / PERSONAL PROTECTION

### EXPOSURE STANDARDS

Exposure to dust should be kept as low as practicable and below the following NES.

Total dust (of any type, or particle size): 10mg/m<sup>3</sup>

TWA as inspirable dust.

However, where a State or Territory prescribes a lower exposure standard, the lower exposure standard applies.

### ENGINEERING CONTROLS

Keep exposure to dust as low as practicable. Working in the open air and external openings (such as

doors and windows in buildings) generally provides adequate ventilation. Local mechanical ventilation or local dust extraction may be used, if necessary, to control airborne dust levels. If generated dust cannot be avoided follow personal protection recommendations. Where possible vacuum or wash down all gear, equipment or mobile plant prior to maintenance and repair work. If compressed air cleaning cannot be avoided, wear eye and respiratory protection, and clothing as listed below.

## **PERSONAL PROTECTION**

### **Skin Protection:**

Minimise contact when handling product.

Wear loose comfortable clothing, impervious footwear and gloves (standard duty leather or equivalent AS 2161).

### **EYE PROTECTION:**

Safety glasses with side shields or safety goggles (AIS/INZ 1336) if dust is to be generated.

## **RESPIRATORY PROTECTION**

None required if dust is not being generated. Where dust is being generated, personal respiratory protection may be required.

The type of respiratory protection required is dependent on the concentration of inspirable dust in the air and the frequency and length of exposure time. Amount of exertion required during the work and personal comfort are other considerations in choice of respirator. A suitable P1 or P2 particulate respirator chosen and used in accordance with AIS/INZS 1715 and AIS/INZS 1716 may be sufficient for many situations, where high levels of dust are encountered, more efficient cartridge-type powered respirators or supplied-air helmets may be necessary.

Use only respirators which are fitted and maintained correctly.

Note that persons with facial hair will have difficulty in obtaining a satisfactory face seal. For alternatives see AIS/INZS 1715: Selection and use of respirator protective devices.



## ▶ SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

<b>Appearance</b>	White pebble with a tinge of brown, orange or red colouring depending place of origin.
<b>Odour</b>	None
<b>Vapour Pressure</b>	Not Applicable
<b>Boiling Point / Melting Point</b>	MP>1000°C
<b>Solubility in water</b>	Insoluble
<b>Flammability Limits</b>	Not Applicable
<b>Flash Point</b>	Not Applicable
<b>Explosive Properties</b>	None
<b>Specification</b>	None

## ▶ SECTION 10: STABILITY AND REACTIVITY

<b>Chemical Stability</b>	Chemically Stable
<b>Incompatible Materials</b>	None
<b>Conditions to Avoid</b>	None
<b>Hazardous Decomposition Products</b>	None
<b>Hazardous Reactions</b>	None

## ▶ SECTION 11: TOXICOLOGICAL INFORMATION

### HEALTH EFFECTS

#### Acute (short term) Exposure

**Swallowed:** Unlikely under normal industrial use. May be a choking hazard.

**Eyes:** Dust may be irritating to the eyes. Exposure to dust may aggravate pre-existing eye conditions and may cause chemical conjunctivitis, redness and watering of eyes.

**Skin:** Dust may be irritating to the skin.

**Inhaled:** Dust is mildly irritating to the nose, throat and respiratory tract and may cause coughing and sneezing.

**Chronic (long term) Exposure- (Effects may occur after repeated or prolonged exposure):** No known long term health effects.

## ▶ SECTION 12: ECOLOGICAL INFORMATION

<b>Ecotoxicity</b>	None known
<b>Persistence and Degradability</b>	Persistent with low degradability.
<b>Mobility</b>	Low mobility would be expected in a landfill situation.

## ▶ SECTION 13: DISPOSAL CONSIDERATIONS

Pebbles can be treated as a common waste for disposal or dumped into a landfill site in accordance with local authority guidelines. Recycling into other construction products is usually a practicable alternative. Measures should be taken to prevent dust generation during disposal and exposure and personal precautions should be observed (see section on Exposure Controls / Personal Protection).

## ▶ SECTION 14: TRANSPORT INFORMATION

Transportation is done in bulk or bag form by ship, rail or road.

<b>UN Number</b>	None Allocated
<b>Class – Subsidiary Risk</b>	None Allocated
<b>Packaging Group</b>	None Allocated
<b>Proper Shipping Name</b>	None Allocated
<b>Hazchem Code</b>	None Allocated
<b>Incompatibilities</b>	None

## ▶ SECTION 15: REGULATORY INFORMATION

<b>Poisons Schedule</b>	Not scheduled
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Classified as **NOT HAZARDOUS**

Pebbles are classified as non-Dangerous Goods according to the Indian Code for the Transport of Dangerous Goods by Road and Rail.

► **SECTION 16: OTHER INFORMATION**

For further information on this product, contact:

**Telephone** 91 11 47009572  
**Website** [www.starkefiltermedia.com](http://www.starkefiltermedia.com)

Australian Standards References:

<b>AIS/INZS 1336</b>	Recommended practices for occupational eye protection.
<b>AIS/INZS 1715</b>	Selection, use and maintenance of respiratory protective devices.
<b>AIS/INZS 1716</b>	Respiratory protective devices.
<b>AIS 2161</b>	Industrial safety gloves and mittens (excluding electrical and medical gloves).

**Advice Note**

The provision of this information should not be construed as a recommendation to use this product in violation of any patent rights or in breach of any statute or regulation. Users are advised to make their own determination as to the suitability of this information in relation to their particular purposes and specific circumstances. Users should read this MSDS and consider the information in the context of how the product will be handled and used in the workplace and in conjunction with other substances or products.