

# Henan Bangji Tech. Co., Ltd.

## MATERIAL SAFETY DATA SHEET

**Heat pad; heat patch;hot pack; hand warmer;foot warmer;toe warmer;body warmer**

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### SECTION1 PRODUCT AND COMPANY IDENTIFICATION

**Product name:** Heat pad; heat patch;hot pack; hand warmer;foot warmer;toe warmer;body warmer  
**Company:** Henan Bangji Tech. Co., Ltd.  
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**MSDS Number:** 2017030052  
**MSDS Date:** Mar 16 .2017

### SECTION2 HAZARDS IDENTIFICATION

#### Hazards Identification:

The internal materials:According to  
GHS Physical hazards: Not classified  
Health hazards:Not classified  
Environmental hazards: Not classified

#### Emergency Overview:

The internal materials: To the best of our knowledge,information and data,we have not yet known the health and environmental hazards.

### SECTION3 INFORMATION ON INGREDIENTS

**Product name:** Heat pad; heat patch;hot pack; hand warmer;foot warmer;toe warmer;body warmer

Ingredient	Concentration	CAS No.	EC No.
Iron powder	60-65%	7439-89-6	231-096-4
Water	15-20%	7732-18-5	231-791-2
Vermiculite	8-15%	1318-00-9	/
Charcoal activated	5-10%	64365-11-3	264-846-4
Salt	3-5%	7647-14-5	231-598-3

## SECTION4 FIRST-AID MEASURES

### **Skin Exposure:**

Gently wash skin with soap and copious amounts of water for at least 15 minutes.

If irritation persists, call a physician.

### **Eye Exposure:**

In case of contact with eyes, flush with copious amounts of water for at least 15 minutes. Assure adequate Flushing by separating the eyelids with fingers. Call a physician.

### **Inhalation Exposure:**

If inhaled, remove to fresh air. If breathing is difficult, give oxygen.

### **Oral Exposure:**

If victim is conscious, wash out mouth with water. Get medical aid immediately.

## SECTION5 FIRE FIGHTING MEASURES

### **Extinguishing Media:**

Suitable: Water spray, Dry chemical, Carbon dioxide or appropriate foam.

### **Firefighting:**

Protective Equipment: Wear self-contained breathing apparatus and protective clothing to prevent contact with skin and eyes.

## SECTION6 ACCIDENTAL RELEASE MEASURES

### **Procedure of Personal Precaution:**

Exercise appropriate precautions to minimize direct contact with eyes and prevent inhalation.

### **Methods for Cleaning up:**

Gather them carefully and transfer to a dry, clean, lidded container for disposal. Avoid raising dust.

Ventilate area and wash spill site after material pickup is complete.

### **Environmental precautions:**

Use appropriate containment to avoid environmental contamination. Prevent from spreading or entering drains, sitches or rivers.

## SECTION7 HANDLING AND STORAGE

### **Handling:**

Wear appropriate protective clothing and safety gloves. Avoid inhalation. Avoid contact with eyes. Avoid formation of dust. Mechanical exhaust required. Keep away from ignition sources, heat and flame. Incompatibilities: strong oxidizing agents, strong acids. No smoking at working site.

### **Storage:**

Store in a cool, well-ventilated and dry area. Keep away from ignition sources, heat and flame. Store in a tightly closed container. Incompatibilities: Strong oxidizing agents, strong acids.

## SECTION8 EXPOSURE CONTROL/PPE

### Engineering Controls:

Safety shower and eye bath. Mechanical exhaust required.

### Personal Protective Equipment:

Respiratory: Government approved respirator if needed.

Eye: Chemical safety goggles if needed

Clothing: Wear appropriate protective clothing if  
needed Hand: Safety gloves if needed

### Other Protect:

No smoking, drinking and eating at working site. Wash thoroughly after handling.

## SECTION9 PHYSICAL/CHEMICAL PROPERTIES

<b>Appearance:</b>	White non-woven(containing black powder)
<b>Odor:</b>	weak odor
<b>Melting point/range:</b>	>350 °C
<b>Flash Point:</b>	No data available
<b>Explosion Limits:</b>	No data available
<b>Ignition Temperature:</b>	No data available
<b>Vapour Pressure:</b>	No data available
<b>Vapour Density:</b>	No data available
<b>Density:</b>	No data available
<b>PH Value:</b>	10.4 (25 °C, 50.0g/L)
<b>Solubility:</b>	Partial slightly soluble in water

## SECTION10 STABILITY AND REACTIVITY

### Stability:

Stable under normal temperatures and pressures.

### Materials to Avoid:

Strong oxidizing agents, strong acids..

### Hazardous Polymerization:

Will not occur.

### Hazardous Decomposition Products:

Carbon oxides, Metal oxides.

## SECTION11 TOXICOLOGICAL INFORMATION

### Acute Toxicity:

Iron powder: Rat Oral LD50: 3000mg/kg

Sodium chloride: Rat Oral LD50: 3000mg/kg

Rat Inhalation LC50: >42000mg/m<sup>3</sup>/1H

Rabbit Skin LD50: >10000mg/kg

**Skin corrosion/irritation:** Expected to be slightly irritating.

**Serious eye damage/irritation:** Expected to be slightly irritating.

**Sensitisation:** Not expected to be a skin sensitisier.

## SECTION12 ECOLOGICAL INFORMATION

**Toxicity:**

No data available.

**Persistence and degradability:**

No data available.

**Bioaccumulative potential:**

No data available.

**Mobility in soil:**

No data available.

## SECTION13 DISPOSAL CONSIDERATION

**Appropriate Method of Disposal of Substance:**

Contact a licensed professional waste disposal service to dispose of this material. Dissolve or mix the material with a combustible solvent and burn in a chemical incinerator equipped with and afterburner and scrubber. Observe all Federal, state, and local environmental regulations.

## SECTION14 TRANSPORT INFORMATION

**RID/ADR:** This substance is considered to be non-hazardous for transport.

**IATA:** This substance is considered to be non-hazardous for air transport.

**IMO:** This substance is considered to be non-hazardous for sea transport.

## SECTION15 REGULATORY INFORMATION

**Regulation(EC) no.1272/2008**

Not a hazardous mixture according to regulation (EC) No. 1272/2008

## SECTION16 OTHER INFORMATION

**Department:** Shanghai Research Institute of Chemical Industry Testing Centre

Shanghai Classification and Testing Centre of Dangerous Chemicals for State of Work Safety.

**Revision:** 0