

## MATERIAL SAFETY DATA SHEET

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### 1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

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**COMPANY NAME** : HAKKO CORPORATION  
**ADDRESS** : 4-5, Shiokusa 2-shome, Naniwa-ku, Osaka 556-0024  
Japan  
**SECTION IN CHARGE** : Research & Development Center  
**PERSON IN CHARGE** : Makoto Onda  
**EMERGENCY TELEPHONE NUMBER** : 81-6-6561-3225  
**PERSON IN CHARGE** : Sales Division

**PRODUCT NAME:** Heat resistant pad

**MODEL:** No. B2300

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### 2. COMPOSITION/INFORMATION ON INGREDIENTS

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Single ingredient product or mixture : Mixture

Chemical Name and content

Main components: Polyalkylalkenylsiloxane : Information not available.

Silica: 9 ~ 12%

Carbon black: 10 ~ 15%

Trace additive: Information not available.

Law concerning the Examination and Regulation of Manufacture, etc. of Chemical Substances

(7)-483

(1)-548

Other: UN Classification and No. : Non-hazardous substance

Substances Listed in the Law on Industrial Safety and Health Act(That which is 1% or more)

Carbon black: 10 ~ 15%

Silica: 9 ~ 12%

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### 3. HAZARDS IDENTIFICATION

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- TAXONOMIC GROUP NAME** : Group criteria does not apply.
- DANGEROUSNESS** : Combustible
- TOXICITY** : If contacted with eyes: Minor irritation to mucous membrane  
If contacted with skin: Minor irritation to skin  
If swallowed: Slightly hazardous  
Other: No data available.
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### 4. FIRST-AID MEASURES

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- IF IN EYES** : If powder contacts eyes, immediately flush with running water for 15 min. or more, and see a physician.
- IF ON SKIN** : If powder contacts skin, immediately flush with running water and wash well with soap. See a physician as necessary.
- IF INHALED** : If the powder is inhaled, rest in a place of fresh air. See a physician as necessary.
- IF INGESTED** : Force vomiting as much as possible. If anything abnormal occurs, see a physician.
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### 5. FIRE-FIGHTING MEASURES

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- EXTINGUISHING PROCEDURES** : Sever supply of combustion source to the fire and douse with the below media. Carry out fire-fighting activities from upwind location and wear a respiratory as necessary.
- EXTINGUISHING MEDIA** : Chemical extinguisher, CO<sub>2</sub>, foam or water spray
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### 6. ACCIDENTAL RELEASE MEASURES

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Not applicable to solid matter.

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### 7. HANDLING AND STORAGE

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- HANDLING** : Be careful of fire.
- STORAGE** : Store indoors in a cool dark place.

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**8. EXPOSURE CONTROLS/PERSONAL PROTECTION**

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**CONTROL CONCENTRATION** : N/A

**ALLOWED CONCENTRATION** : N/A

**PROTECTIVE GEAR** :     Respirator                         : N/A.  
                                  Protective goggle, etc.     : Safety goggle  
                                  Protective gloves             : Rubber or vinyl gloves

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**9. PHYSICAL AND CHEMICAL PROPERTIES**

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**APPEARANCE**                         : Black  
**SPECIFIC GRAVITY**                 : 1.12  
**SOLUBILITY**                         : Not soluble in water  
**VOLATILITY**                         : None

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**10. STABILITY AND REACTIVITY**

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**FLASH POINT**                         : -  
**IGNITION POINT**                    : -  
**COMBUSTIBILITY**                    : :Combustible  
**SELF-REACTIVITY**                 : -  
**STABILITY AND REACTIVITY**        : Intrinsically stable

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**11. TOXICOLOGICAL INFORMATION (Medical cases and epidemiological information concerning humans)**

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**SKIN CORROSIVENESS**                : No data available  
**IRRITATION**                         : No data available  
**SENSITIZATION**                     : No data available  
**ACUTE TOXICITY** (Including 50% lethal dose) : No data available  
**SUBACUTE TOXICITY**                 : No data available  
**CHRONIC TOXICITY**                 : No data available  
**CARCINOGENICITY**                 : No data available  
**MUTAGENICITY**                     : No data available  
**GERMINAL MUTATION**                : No data available  
**TERATOGENICITY**                    : No data available  
**Other** (Including the release of toxic gas upon reaction with water) : No data available

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## 12. ECOLOGICAL INFORMATION

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<b>DEGRADABILITY</b>	No data available
<b>CUMULATIVE EFFECTS</b>	: No data available
<b>FISH TOXICITY</b>	: No data available

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## 13. DISPOSAL CONSIDERATIONS

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Dispose of by incineration in safe facilities (i.e., licensed waste furnace, etc.) or by landfill.

When incinerated, silica forms a minute powder, therefore incinerate in appropriate facilities.

Also, wear a dustproof mask and other equipment as necessary.

Dispose of in accordance with the Waste Disposal and Public Cleansing Law and local codes and regulations.

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## 14. TRANSPORTATION INFORMATION

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- Prevent fire.
  - Fit with stoppers or other means to prevent the product from falling or tipping over.
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## 15. REGULATORY INFORMATION

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1. Waste Disposal and Public Cleansing Law
  2. PRTR Law: Not applicable
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## 16. OTHER INFORMATION

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Manufacturer MSDS

This product was developed and produced for general industrial use.

Before use in medical or other applications, test and verify safety.

Do not implant, inject or other administer to the human body in any way that partial residue may remain in the body.

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This document has been prepared based on the information and data that are available as of this date.

Therefore, it may be revised when new information or data has been obtained.

The information and data contained herein are subject to the normal use. The evaluation of dangerousness and toxicity is, therefore, not always applicable. For this reason, the safety precautions suitable for your purpose and method must be taken prior to the use.