

## MATERIAL SAFETY DATA SHEET

### 1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

**COMPANY NAME** : Hakko Corporation  
**ADDRESS** : 4-5, Shiokusa 2-chome, Naniwa-ku, Osaka, 556-0024 Japan  
**SECTION IN CHARGE** : Research & Development Center  
**EMERGENCY TELEPHONE** : 81-6-6561-3225 (FAX: 06-6568-0821)  
**NUMBER/REFERENCE** : Sales Division

**PRODUCT NAME:** Prefilter for FA-430

**Model:** A1572

### 2. HAZARDS IDENTIFICATION

GHS CLASSIFICATION : N/A

GHS LABEL ELEMENTS : N/A

PICTOGRAM OR SYMBOL : N/A

HAZARD INFORMATION : Fumes evolved from high-temperature molten resins are irritating to eyes and respiratory system.

### 3. COMPOSITION/INFORMATION ON INGREDIENTS

Single substance or mixture: Mixture

General name: Polyethylene-based non-woven fabric with polypropylene added

Chemical name and content

	CAS No.	Official gazette reference code	PRTR No.	Chemical name
Filter	9003-07-0	(6) -402	—	Polypropylene
	9002-88-4	(6) -1	—	Polyethylene
			—	EVA adhesive

Hazardous components:

Information not available

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#### 4. FIRST-AID MEASURES

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- Eye contact : Not likely to get into eyes due to physical form. However, if small pieces of the product get into eyes, flush eyes with fresh water until foreign body sensation dissipates. Seek medical attention if the symptom persists.
- Skin contact : Not dangerous in normal conditions.  
Wash the affected skin with soap and a plenty of water if there is a sense of discomfort.
- Inhalation : Not likely to be inhaled due to physical form.
- Ingestion : Not likely to be ingested due to physical form. However, if small pieces of the product are ingested, have the affected person gargle them out immediately. Seek medical attention if required.

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#### 5. FIRE FIGHTING MEASURES

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- Extinguishing media : Dry chemicals, water fog, fire foam, CO<sub>2</sub>
- Hazardous combustion products: : Combustible. Combustion of the product evolves irritating or toxic fumes or gases.
- Special fire fighting procedures : Work from the windward side.  
Shut off fire sources if possible.  
Take appropriate measures to prevent environmental contamination caused by fire extinguishing agent or water.  
Evacuate affected persons to a safe area.
- Protection of fire fighters : Wear gas mask.  
Wear appropriate protective gear.

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#### 6. ACCIDENTAL RELEASE MEASURES

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- Personal protection : Nothing of particular note.
- Removing procedures : Carefully sweep up.

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#### 7. HANDLING & STORAGE

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##### Handling

- Technical measures : (Prevention of fire or explosion)  
Keep the product away from heat, spark or fire sources.  
The filter is combustible.

Precaution : Washing forbidden

Precaution for safe handling :

##### Storage



- Suitable storage conditions : Store the product in a cool dry place away from direct sunlight. Do not place heavy objects on the product.  
Avoid contacting with acid.
- Storage conditions to avoid : Store the product away from heat sources.  
Store the product away from fire sources. –No smoking  
Store the product away from direct sunlight.

## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Administrative level : Not determined.

Allowable concentration : Not determined.

### Protective gear

- Protective gear for respiratory : Not required  
Protective gear for eyes : Not required  
Protective gloves : Not required  
Protective clothing : Not required

## 9. PHYSICAL AND CHEMICAL PROPERTIES

### PHYSICAL PROPERTIES

- APPEARANCE** : Solid  
**Color** : White (one side: orange)  
**Odor** : Smell-less  
**pH** : Not applicable  
**Boiling point/range** : Not available  
**Melting point/Freezing point** : 155-165°C  
**Ignition point** : 250°C  
**Explosiveness** : None
- Specific gravity/Density** : Not available  
**Solubility in water** : Insoluble

## 10. STABILITY AND REACTIVITY

- Stability** : The product is deemed stable under normal storage and handling conditions.
- Incompatible materials** : Strong acid
- Other** : Combustion, thermal decomposition or incomplete combustion of the product may cause carbon monoxide, nitrogen oxides, hydrogen chloride and other toxic gases or fumes to occur.

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**11. TOXICOLOGICAL INFORMATION**

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MUTAGENICITY	:	
Reverse Mutation Test (Ames Test)	:	Data not available
Chromosome Aberration Test	:	Data not available

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**12. ECOLOGICAL INFORMATION**

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Degradation	:	Data not available
Bioaccumulation	:	Data not available
Toxicity for fish	:	Data not available

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**13. DISPOSAL CONSIDERATIONS**

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The product must be disposed of by approved subcontractors in a manner specified by the manufacturer.

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**14. TRANSPORTATION INFORMATION**

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International rules	:	Nothing of particular note. No UN number allocated.
Special safety measures required	:	The product is not classified as dangerous goods. Keep the product away from direct sunlight and rainwater during transportation.

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**15. REGULATORY INFORMATION**

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Industrial Safety and Health Law		
Hazardous Materials Requiring Notification	:	Not applicable
Law concerning Pollutant Release and Transfer Register (PRTR)	:	Not applicable
Fire Service Act	:	Designated combustibles
Law Relating to Prevention of Marine Pollution and Maritime Disaster	:	Not dangerous substances according to Appended Table 1-2; Polypropylene

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## 16. OTHER INFORMATION

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Reference:

MSDS issued by the manufacturer.

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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.