

MATERIAL SAFETY DATA SHEET

1. CHEMICAL PRODUCT & COMPANY IDENTIFICATION

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

PRODUCT NAME: Sleeve for HAKKO FM-2027, FM-2028

2. COMPOSITION/INFORMATION ON INGREDIENTS

Single-ingredient product or mixture: Mixture

Ingredient	Blend of polyolefin and thermoplastic elastomer	
Chemical Name	Ethylene propylene ethylidene norbornene copolymer	Polypropylene
Content	Not disclosed	Not disclosed
CAS No.	25038-36-2	9003-07-0
PRTR No.	N/A	N/A

3. HAZARDS IDENTIFICATION

CLASSIFICATION CATEGORY : N/A
TOXICITY : Likely to be inhaled when in dust.
PHYSICAL AND CHEMICAL : Combustible material designated under the Fire Defense Law.
DANGEROUSNESS : Be careful about burns due to heated and melted material.

4. FIRST-AID MEASURES

- IF IN EYES** : Not a dangerous substance, but might damage the eyeballs. Therefore, rinse thoroughly with clean water.
- IF ON SKIN** : If the skin is irritated, wash off with soap and water. If the skin is exposed to the melted material at high temperature, it is burned. Immediately cool the affected area and receive medical attention. Removal of the melted material from the skin must be left to the doctor.
- IF INGESTED** : Vomit as much as possible. If discomfort is still felt, obtain medical attention.
- IF INHALED** : N/A
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5. FIRE FIGHTING MEASURES

- EXTINGUISHING MEDIA** : Powder, carbon dioxide gas, or fire foam
- EXTINGUISHING PROCEDURES** : The firefighter must wear sufficient emergency protective gear equipped with a self-contained breathing apparatus to protect himself/herself from harmful decomposition or burning material.
- SPECIFIC HARMFUL SUBSTANCE** : In case of fire, harmful gas such as carbon monoxide is generated. Therefore, be careful not to inhale smoke during fire fighting.
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6. ACCIDENTAL RELEASE MEASURES

No release occurs because this material is solid.

7. HANDLING AND STORAGE

- HANDLING** : Handle so as not to give any physical damage.
- STORAGE** : The normal storage method is acceptable, but take care not to give physical damage.
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8. EXPOSURE CONTROLS/PERSONAL PROTECTION

- ALLOWABLE CONCENTRATION** : No information is available.
- FACILITIES CONTROL EQUIPMENT** : Local exhaust
- PROTECTIVE GEAR** : Use a mask, protective goggles, and protective gloves depending on the situation.
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9. PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE	:	Solid, molded product
ODOR	:	Almost none
SOFTENING POINT	:	Approx. 150°C
DECOMPOSITION TEMPERATURE	:	Approx. 280°C
IGNITABILITY	:	Burns only when heated to thermal decomposition temperature of approx. 300°C minimum.
SOLUBILITY	:	Inoluble in water.

10. STABILITY AND REACTIVITY

Stable under normal handling conditions.

11. TOXICOLOGICAL INFORMATION (including human cases and epidemiological information)

ACUTE TOXICITY	:	No information available.
IRRITATION (to skin and eyes)	:	No information available.
SENSITIZING PROPERTY	:	No applicable information available.
CARCINOGENICITY	:	No applicable information available.

12. ECOLOGICAL INFORMATION

DEGRADABILITY	:	None
TRANSFERRING PROPERTY	:	No transfer to atmosphere, water, and soil will occur when discharged to the environment.

13. DISPOSAL CONSIDERATIONS

When disposed of, the product must be incinerated at an appropriate facility in accordance with the related regulation or its disposal must be entrusted to an industrial waste disposal company.

14. TRANSPORTATION INFORMATION

General precautions must be observed.

15. REGULATORY INFORMATION

PRTR LAW : N/A

FIRE DEFENSE LAW : Combustible material (synthetic resins) designated in Article 34 of Fire Prevention Ordinance

16. OTHER INFORMATION

MSDS from the manufacturer

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.