

TNØIBK

# Material Safety Data Sheet

may be used to comply with OSHA's Hazard Communication Standard  
29CFR 1910.1200. Standard must be consulted for specific requirements

QUICK IDENTIFIER  
Common Name: (used on label and list)

HK-12

## SECTION 1 -

Manufacturer's Name Hitachi, Ltd, Home Appliances Division

Address 1-1 Higashitaga-cho 1-chome, Hitachi-shi, Ibaraki-ken, 316 Japan

City, State, and ZIP \_\_\_\_\_

Emergency Telephone No. \_\_\_\_\_

Other Information Calls \_\_\_\_\_

Date Prepared 22nd August, 1997

Signature of Person Responsible for Preparation (Optional) \_\_\_\_\_

## SECTION 2 - HAZARDOUS INGREDIENTS / IDENTITY

Hazardous Component(s) (chemical & common name(s))	OSHA PEL	ACGIH TLV	Other Exposure Limits	% (optional)	CAS No.
<u>Ingredients</u>					
<u>Polyester Resin</u>	-	-	-	> 10%	41259-38-3
<u>Polypropylene Wax</u>	-	-	-	0.5-3%	9003-07-0
<u>Organic Boron Compound</u>	-	-	-	0.1-3%	114803-11-1
<u>Carbon black</u>	3.5mg/m <sup>3</sup>	3.5mg/m <sup>3</sup>	-	3-10%	1333-86-4
<u>Silica</u>	-	-	-	< 3%	68909-20-8

## SECTION 3 - PHYSICAL & CHEMICAL CHARACTERISTICS

Boiling Point N.A. (Not applicable)

Specific Gravity (H<sub>2</sub>O=1) 1.1

Vapor Pressure (mm Hg) N.A.

Vapor Density (Air=1) N.A.

Solubility in Water Negligible

Reactivity in Water N.A.

Appearance and Odor Black powder and faint odor

Melting Point N.A.

## SECTION 4 - FIRE & EXPLOSION DATA

Flash Point N.A.

Method Used

Flammable Limits in Air % by Volume Not determined

LEL N.A.

UEL N.A.

Auto-ignition Temperature Not determined

Extinguisher Media Foam, Water, Dry chemical

Special Fire Fighting Procedures None

Unusual Fire and Explosion Hazards Keep sources of ignition at a distance.

Toner is combustible.

Explosive limits of toner particles suspended in air approximately equal to that of coal dust.

**SECTIONS - PHYSICAL HAZARDS (REACTIVITY DATA)**

Stability Unstable  Conditions  
Stable  to Avoid None

Incompatibility  
(Material to Avoid) None

Hazardous  
Decomposition Products None

Hazardous Polymerization May Occur  Conditions  
Will Not Occur  to Avoid None

**SECTIONS - HEALTH HAZARDS**

1. Acute None 2. Chronic None

Signs and  
Symptoms of Exposure None

Medical Conditions Generally  
Aggravated by Exposure None

Chemical Listed as Carcinogen or Potential Carcinogen National Toxicology Program Yes  No  I.A.R.C. Monographs Yes  No  OSHA Yes  No

IARC's overall evaluation is that -  
"carbon black is possibly carcinogenic to humans (Group 2B)"

Emergency and  
First Aid Procedures

ROUTES  
OF  
ENTRY

1. Inhalation Remove to fresh air.  
Treat any irritation symptomatically. Call a physician.

2. Eyes In case of contact, immediately flush with plenty of low pressure water for at least 15 minutes. Call a physician.

3. Skin Wash with soap and running water.

4. Ingestion If swallowed, do not induce vomiting. Call a physician.

**SECTION 7 - SPECIAL PRECAUTIONS AND SPILL/LEAK PROCEDURES**

Precautions to be Taken  
in Handling and Storage a) Storage: Store container in a dry / cool place.  
b) Handling: Open and handle container with care.

Other  
Precautions None

Steps to be Taken in Case  
Material is Released or Spilled Loose toner can be removed using vacuum cleaner.  
Residue can be removed with soap and water.

Waste Disposal  
Methods (Consult federal, state, and local regulations) Taking into consideration the local authority  
regulation, it must undergo a special treatment, e.g. suitable disposal site.

**SECTION 8 - SPECIAL PROTECTION INFORMATION/CONTROL MEASURES**

Respiratory Protection  
(Specify Type) None (under normal use)

Ventilation	Local Exhaust	Mechanical (General)	Special	Other
	None	None	None	None

Protective  
Gloves Not necessary

Other Protective  
Clothing or Equipment Not necessary

Eye  
Protection Not necessary

Work/Hygiene Practices Not necessary

**IMPORTANT**

Do not leave any blank spaces. If required information is unavailable, unknown, or does not apply, so, indicate.

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