

TN01BK

TN02BK

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

Cells

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.
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Ingredients

Polyester Resin

-

-

-

> 10%

41259-38-3

Polypropylene Wax

-

-

-

0.5-3%

9003-07-0

Organic Boron Compound

-

-

-

0.1-3%

114803-11-1

Carbon black

3.5mg/m³ 3.5mg/m³

-

3-10%

1333-86-4

Silica

-

-

-

< 3%

68909-20-8

SECTION 3 - PHYSICAL & CHEMICAL CHARACTERISTICS

Boiling

Point N.A. (Not applicable)

Specific

Gravity (H₂O=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

Method

Flammable Limits

LEL

UEL

Point N.A.

Used Not determined

in Air % by Volume

Lower N.A.

Upper N.A.

Auto-ignition

Extinguisher

Temperature

Not determined

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.

SECTION 6 - PHYSICAL HAZARDS (REACTIVITY DATA)Stability Unstable ☐ Conditions
Stable ☒ to Avoid

None

Incompatibility
(Material to Avoid)

None

Hazardous

Decomposition Products

None

Hazardous May Occur ☐ ConditionsPolymerization Will Not Occur ☒ to Avoid

None

SECTION 8 - 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 CarcinogenNational Toxicology Yes ☐
Program No ☒I.A.R.C. Yes ☐
Monographs No ☒OSHA Yes ☐
No ☒

IARC's overall evaluation is that-

"carbon black is possibly carcinogenic to humans (Group 2B)"

Emergency and
First Aid ProceduresROUTES
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 PROCEDURESPrecautions 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

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

None

Mechanical
(General)

None

Special

None

Other

None

Protective

Gloves

Not necessary

Eye

Protection

Not necessary

Other Protective

Clothing or Equipment

Not necessary

Work/Hygiene Practices

Not necessary

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