

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

Black Toner

QUICK IDENTIFIER

Common Name: (used on label and list)

HK-12

MINOLTA-QMS, Inc.
One Magnum Pass
Mobile, AL 36618

SECTION 1 - magicolor 6100 Series

Manufacturer's Name Hitachi, Ltd. Office Information Products Division

Address 1-1, Higashitaga-cho 1-chome, Hitachi-shi, Ibaraki-ken, 316-8502 Japan
City, State, and ZIP

Emergency Telephone No. 1-800-622-5546

Other Information Calls

Signature of Person Responsible for Preparation (Optional)

Date Prepared August 1999

SECTION 2 - HAZARDOUS INGREDIENTS / IDENTITY

Hazardous Component(s) (chemical & common name(s))	OSHA PEL	ACGIH TLV	Other Exposure Limits	% (optional)	CAS No.
--	----------	-----------	-----------------------	--------------	---------

Ingredients

Polyester Resin	-	-	-	> 79%	41259-36-3
Polypropylene Wax	-	-	-	0.5-5%	9003-07-0
Organic Boron Compound	-	-	-	0.1-3%	114803-11-1
Carbon black	3.5mg/m ³	3.5mg/m ³	-	3-10%	1333-86-4
Silica	-	-	-	< 3%	68909-20-6

SECTION 3 - PHYSICAL & CHEMICAL CHARACTERISTICS

Boiling Point	N.A. (Not applicable)	Specific Gravity (H ₂ 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	Not determined	Flammable Limits in Air % by Volume	LEL Lower N.A. UEL Upper N.A.
-------------	------	-------------	----------------	-------------------------------------	-------------------------------

Auto-Ignition Temperature	Not determined	Extinguisher Media	Foam, Water, Dry chemical		
---------------------------	----------------	--------------------	---------------------------	--	--

Special Fire Fighting Procedures None

Keep sources of ignition at a distance.

Unusual Fire and Explosion Hazards Toner is combustible.

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

SECTION 5 - PHYSICAL HAZARDS (REACTIVITY DATA)

Stability Unstable Conditions
Stable to Avoid None
Incompatibility
(Material to Avoid) None
Hazardous
Decomposition Products None
Hazardous May Occur Conditions
Polymerization Will Not Occur to Avoid None

SECTION 6 - 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 None Mechanical (General) None Special None Other None
Protective Gloves Not necessary Eye-Protection Not necessary
Other Protective Clothing or Equipment Not necessary
Work/Hygienic Practices Not necessary

IMPORTANT
Do not leave any blank spaces. If required information is unavailable, unknown, or does not apply, so, indicate.
CU-F1R Printed by Labelmaster, Division of American Labelmark Company, Inc.
Chicago, IL 60646-6719 1-800-621-5808 (321) 478-0900