


**NFPA**  
HAZARD RATING:  
4 = EXTREME  
3 = HIGH  
2 = MODERATE  
1 = SLIGHT  
0 = INSIGNIFICANT

	HEALTH	0
	FIRE	1
	REACTIVITY	0

**MATERIAL SAFETY DATA SHEET**  
MAY BE USED TO COMPLY WITH  
OSHA'S HAZARD COMMUNICATION STANDARD,  
29 CFR 1910.1200. STANDARD MUST BE  
CONSULTED TO SPECIFIC REQUIREMENTS.

USE DEPARTMENT OF LABOR  
OCCUPATIONAL SAFETY AND HEALTH ADMINISTRATION  
(NON-MANDATORY FORM)  
FORM APPROVED  
OMB NO. 1218-0072

IDENTITY **BLACK DEVELOPER FOR DC-111,111C,113,114,142RE,1001,1205,1255,1415,1435,1455,2055,2254,  
2255,2285,2555,2585,3255,3285,1824RE,1824Z,1824ZII**

<b>SECTION I</b>	
MANUFACTURER'S NAME MITA INDUSTRIAL CO., LTD.	EMERGENCY TELEPHONE NUMBER (201)-808-8444
ADDRESS (NUMBER, STREET, STATE, AND ZIP CODE) MITA COPYSTAR AMERICA, INC. 225 SAND ROAD, P.O. BOX 40008 FAIRFIELD, NJ 07004-0008	TELEPHONE NUMBER FOR INFORMATION (201)-808-8444 DATE PREPARED SEPTEMBER 1, 1992 SIGNATURE OF PREPARER (OPTIONAL)

**SECTION II - HAZARDOUS INGREDIENTS/IDENTITY INFORMATION**

HAZARDOUS COMPONENTS (SPECIFIC CHEMICAL IDENTITY; COMMON NAME(S))	OSHA PEL	ACGIH TL	OTHER LIMITS RECOMMENDED	WITHIN 2% (OPTIONAL)
(CAS NO. 1309-37-1) Iron Oxide	10mg/*	5mg/*	NONE	66%
(CAS NO. 1314-13-2) Zinc Oxide	5mg/*	5mg/*	NONE	14%
(CAS No. 1305-78-8) Calcium Oxide	5mg/*	2mg/* *cubic meter	NONE	1%
Black Toner for DC-111				5%
<b>NON HAZARDOUS COMPONENTS</b>				
(CAS NO. 1317-38-0) Copper Oxide	N/A	N/A	NONE	14%

**SECTION III - PHYSICAL/CHEMICAL CHARACTERISTICS**

BOILING POINT	N/A	SPECIFIC GRAVITY (WATER = 1) (APPARENT DENSITY)	1.85
VAPOR PRESSURE (mm Hg)	N/A	MELTING POINT GREATER THAN - DEGREES CENTIGRADE	N/A
VAPOR DENSITY (AIR = 1)	N/A	EVAPORATION RATE (BUTYL ACETATE = 1)	N/A

**SOLUBILITY IN WATER**

INSOLUBLE / NEGLIGIBLE (TOLUENE)

**APPEARANCE AND ODOR**

FINE BLACK POWDER, PRACTICALLY ODORLESS

**SECTION IV - FIRE AND EXPLOSION HAZARD DATA**

FLASH POINT (METHOD USED) N/A	FLAMABLE LIMITES	LEL N/A	UEL N/A
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**EXTINGUISHING MEDIA**

IF PRODUCT BECOMES INVOLVED IN A FIRE, USE CARBON DIOXIDE EXTINGUISHER.

**SPECIAL FIRE FIGHTING PROCEDURES**

WATER, FOAM OR DRY CHEMICAL

**UNUSUAL FIRE AND EXPLOSION HAZARDS**

NONE UNDER NORMAL STORAGE AND USE CONDITIONS.

(REPRODUCE LOCALLY)

OSHA 174, SEPT. 1985

**SECTION V - REACTIVITY DATA**

STABILITY	UNSTABLE		CONDITIONS TO AVOID NONE
	STABLE	X	

INCOMPATIBILITY (MATERIALS TO AVOID)

STRONG OXIDIZING AGENTS

HAZARDOUS DECOMPOSITION OR BY PRODUCTS

NONE IN NORMAL HANDLING AND USE.

HAZARDOUS POLYMERIZATION	MAY OCCUR		CONDITIONS TO AVOID NONE
	WILL NOT OCCUR	X	

**SECTION VI - HEALTH HAZARD DATA**

ROUTE(S) OF ENTRY:	INHALATION? YES	SKIN? NO	INGESTION? POSSIBLE BUT VERY UNUSUAL
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HEALTH HAZARDS (ACUTE AND CHRONIC)

NONE IN NORMAL HANDLING AND USE.

CARCINOGENICITY:	NTP? N/A	IARC MONOGRAPHS? N/A	OSHA REGULATED? N/A
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SIGNS AND SYMPTOMS OF EXPOSURE

MINIMAL RESPIRATORY TRACT IRRITATION MAY OCCUR AS WITH EXPOSURE TO LARGE AMOUNTS OF ANY NON-TOXIC DUST.

MEDICAL CONDITIONS

GENERAL AGGRAVATED BY EXPOSURE N/A

EMERGENCY AND FIRST AID PROCEDURES

IF SKIN CONTACT OCCURS, WASH WITH SOAP AND WATER.  
IF EYE CONTACT OCCURS, FLUSH THOROUGHLY WITH WATER AND SEEK MEDICAL TREATMENT.  
IF INGESTION OCCURS, DILUTE STOMACH CONTENTS WITH SEVERAL GLASSES OF WATER AND SEEK MEDICAL TREATMENT.

**SECTION VII - PRECAUTIONS FOR SAFE HANDLING AND USE**

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED

CLEAN UP WITH A VACUUM CLEANER.

WASTE DISPOSAL METHOD

DISPOSE IN ACCORDANCE WITH LOCAL, STATE AND FEDERAL REGULATIONS.

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING

CLOSE CAP TIGHTLY AND STORE IN A COOL, DRY AND DARK PLACE.

OTHER PRECAUTIONS

AVOID COMBUSTION

**SECTION VIII - CONTROL MEASURES**

RESPIRATORY PROTECTION (SPECIFY TYPE)

NONE REQUIRED UNDER NORMAL USE.

VENTILATION	LOCAL EXHAUST NONE REQUIRED UNDER NORMAL USE.	SPECIAL NONE REQUIRED UNDER NORMAL USE.
	MECHANICAL (GENERAL) NONE REQUIRED UNDER NORMAL USE.	OTHER NONE REQUIRED UNDER NORMAL USE.

PROTECTIVE GLOVES NONE REQUIRED UNDER NORMAL USE.	EYE PROTECTION NONE REQUIRED UNDER NORMAL USE.
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OTHER PROTECTIVE CLOTHING OR EQUIPMENT

NONE REQUIRED UNDER NORMAL USE.

WORK/HYGIENIC PRACTICES

AVOID INHALATION, INGESTION, SKIN OR EYE CONTACT.