

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

HEALTH	0
FLAME	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 for specific requirements.

U.S. Department of Labor  
Occupational Safety and Health Administration  
(Non-Mandatory Form)  
Form Approved  
OMB No. 1218-0072



IDENTITY BLACK DEVELOPER FOR DC-513Z, 5055

Section I

Manufacturer's Name MITA INDUSTRIAL CO., LTD.	Emergency Telephone Number (201)-288-6900
Address (Number, Street, City, State, and ZIP Code) MITA COPYSTAR AMERICA, INC.	Telephone Number for Information (201)-288-6900
777 TERRACE AVE., PO BOX 813	Date Prepared MARCH 1, 1990
HASBROUCK HEIGHTS, NJ 07604	Signature of Preparer (optional)

Section II — Hazardous Ingredients/Identity Information

Hazardous Components (Specific Chemical Identity; Common Name(s))	OSHA PEL	ACGIH TLV	Other Limits Recommended	TO NEAREST 5% (optional)
IRON OXIDE (CAS NO. 1309-37-1)	10mg/m <sup>3</sup>	5mg/m <sup>3</sup>	NONE	90%
ZINC OXIDE (CAS NO. 1314-13-2)	5mg/m <sup>3</sup>	5mg/m <sup>3</sup>	NONE	
MAGNESIUM OXIDE (CAS NO. 1309-48-4)	15mg/m <sup>3</sup>	10mg/m <sup>3</sup>	NONE	
BLACK TONER FOR DC-513Z				5%
(NONE HAZARDOUS INGREDIENTS)				
COPPER OXIDE (CAS NO. 1317-38-0)				5%

Section III — Physical/Chemical Characteristics

Boiling Point	N/A	Specific Gravity (H <sub>2</sub> O = 1)	4.30
Vapor Pressure (mm Hg.)	N/A	Melting Point	N/A
Vapor Density (AIR = 1)	N/A	Evaporation Rate (Butyl Acetate = 1)	N/A
Solubility in Water	INSOLUBLE		
Appearance and Odor	FINE BLACK POWDER, PRACTICALLY ODORLESS.		

Section IV — Fire and Explosion Hazard Data

Flash Point (Method Used)	HIGHER THAN 350°	Flammable Limits	LEL N/A	UEL N/A
Extinguishing Media	IF PRODUCT BECOMES INVOLVED IN A FIRE, USE CARBON DIOXIDE EXTINGUISHER.			
Special Fire Fighting Procedures	USE CARBON DIOXIDE EXTINGUISHER			

Unusual Fire and Explosion Hazards

NONE UNDER NORMAL STORAGE AND USE CONDITIONS.

**Section V — Reactivity Data**

Stability	Unstable		Conditions to Avoid	NONE
	Stable	X		

Incompatibility (Materials to Avoid) **STRONG OXIDIZING AGENTS**

Hazardous Decomposition or Byproducts **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**

Health Hazards (Acute and Chronic) **NONE IN NORMAL HANDLING AND USE.**

Carcinogenicity: NTP? **N.A.** IARC Monographs? **N.A.** OSHA Regulated? **N.A.**

Signs and Symptoms of Exposure **MINIMAL RESPIRATORY TRACT IRRITATION MAY OCCUR AS WITH EXPOSURE TO LARGE AMOUNTS OF ANY NON-TOXIC DUST.**

Medical Conditions Generally 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	<b>NONE REQUIRED UNDER NORMAL USE.</b>	Special	<b>NONE REQUIRED UNDER NORMAL USE.</b>
	Mechanical (General)	<b>NONE REQUIRED UNDER NORMAL USE.</b>	Other	<b>NONE REQUIRED UNDER NORMAL USE.</b>

Protective Gloves **NONE REQUIRED UNDER NORMAL USE.** Eye Protection **NONE REQUIRED UNDER NORMAL USE**

Other Protective Clothing or Equipment **NONE REQUIRED UNDER NORMAL USE.**

Work/Hygienic Practices **AVOID INHALATION, INGESTION, SKIN OR EYE CONTACT.**