

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 for specific requirements.

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



IDENTITY BROWN DEVELOPER FOR DC-114,2555,2585

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. 777 TERRACE AVE., PO BOX 813 HASBROUCK HEIGHTS, NJ 07604	Telephone Number for Information (201)-288-6900
	Date Prepared MARCH 1, 1990
	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 ³	5mg/m ³	NONE	50%
ZINC OXIDE (CAS NO. 1314-13-2)	5mg/m ³	5mg/m ³	NONE	5%
MAGNESIUM OXIDE (CAS NO. 1309-48-4)	15mg/m ³	10mg/m ³	NONE	5%
BROWN TONER FOR DC-111C				10%
(NONE HAZARDOUS INGREDIENTS)				
IRON (CAS NO. 7439-89-6)				25%
COPPER OXIDE (CAS NO. 1317-38-0)				5%

Section III — Physical/Chemical Characteristics

Boiling Point	N/A	Specific Gravity (H ₂ O = 1)	1.68
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 BROWN 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
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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	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.

Other Protective Clothing or Equipment NONE REQUIRED UNDER NORMAL USE.

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