

JUL 16 1993

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-3555,3585,4555,4585,4585F,1824ZS

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

SECTION II - HAZARDOUS INGREDIENTS/IDENTITY INFORMATION

HAZARDOUS COMPONENTS (SPECIFIC CHEMICAL IDENTITY; COMMON NAME(S) (CAS No. 1317-60-8)	OSHA PEL	ACGIH TL	OTHER LIMITS RECOMMENDED	WITHIN 2% (OPTIONAL)
Iron Oxide	10mg/*	5mg/*	NONE	66%
(CAS No. 1314-13-2) Zinc Oxide	5mg/*	5mg/*	NONE	19%
(CAS No. 1309-48-4) Magnesium Oxide	15mg/*	10mg/*	NONE	5%
(CAS No. 1333-86-4) Carbon Black	3.5mg/*	3.5mg/* *cubic meter	NONE	1%
Black Toner for DC-3555				4%
NON HAZARDOUS COMPONENTS				
(CAS NO. 1317-38-0) Copper Oxide	N/A	N/A	NONE	5%

SECTION III - PHYSICAL/CHEMICAL CHARACTERISTICS

BOILING POINT	N/A	SPECIFIC GRAVITY (WATER = 1) (APPARENT DENSITY)	1.8
VAPOR PRESSURE (mm Hg)	N/A	MELTING POINT GREATER THAN - DEGREES CENTIGRADE	1300
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
----------------------------------	------------------	------------	------------

EXINGUISHING 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
	STABLE	X	NONE

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
	WILL NOT OCCUR	X	NONE

SECTION VI - HEALTH HAZARD DATA

ROUTE(S) OF ENTRY:	INHALATION?	SKIN?	INGESTION?
	YES	NO	POSSIBLE BUT VERY UNUSUAL

HEALTH HAZARDS (ACUTE AND CHRONIC) **NONE IN NORMAL HANDLING AND USE.**

CARCINOGENICITY:	NTP?	IARC MONOGRAPHS?	OSHA REGULATED?
	N/A	N/A	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
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	SPECIAL
	NONE REQUIRED UNDER NORMAL USE.	NONE REQUIRED UNDER NORMAL USE.
	MECHANICAL (GENERAL)	OTHER
	NONE REQUIRED UNDER NORMAL USE.	NONE REQUIRED UNDER NORMAL USE.

PROTECTIVE GLOVES	EYE PROTECTION
NONE REQUIRED UNDER NORMAL USE.	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.