

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 (As Used on Label and List) TONER FOR DC-191,
DC-181R, DC-312RE, DC-412RE, DC-1824

Note: Blank spaces are not permitted. If any item is not applicable, or no
information is available, the space must be marked to indicate that.

Section I

Manufacturer's Name

MITA INDUSTRIAL CO., LTD.

Address (Number, Street, City, State, and ZIP Code)

2-28 TAMATSUKURI, 1 CHOME

HIGASHI-KU, OSAKA, JAPAN

Emergency Telephone Number

(201)-288-6900

Telephone Number for Information

(201)-288-6900

Date Prepared

NOVEMBER 15, 1985

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	% (optional)
<u>CAS. NO.</u>	PEL: <u>RESPIRABLE DUST</u>	<u>TOTAL DUST</u>		
STYRENE-ACRYLATE COPOLYMER*	2mg/m ³	8mg/m ³		MORE THAN
65328-52-1				80%
ORGANIC PIGMENT	2mg/m ³	8mg/m ³		LESS THAN
32517-36-5				10%
CARBON BLACK	1mg/m ³	4mg/m ³		LESS THAN
1333-86-4				10%

*Other chemicals which make up this copolymer are considered by the manufacturer to be a trade secret. If full chemical identity is needed in a medical emergency call above telephone number.

Section III — Physical/Chemical Characteristics

Boiling Point	N/A	Specific Gravity (H ₂ O = 1)	1.17
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)	Flammable Limits	LEL	UEL
HIGHER THAN 350°	N/A		

Extinguishing Media

IF PRODUCT BECOMES INVOLVED IN A FIRE, USE CARBON DIOXIDE

Special Fire Fighting Procedures

WATER, FOAM, OR DRY CHEMICALS.

Unusual Fire and Explosion Hazards

NONE UNDER NORMAL STORAGE AND USE CONDITIONS.

Section V — Reactivity Data

Stability	Unstable	X	Conditions to Avoid NONE
	Stable		

Incompatibility (Materials to Avoid) NONE

Hazardous Decomposition or Byproducts
NONE IN NORMAL HANDLING AND USE.

Hazardous Polymerization	May Occur	X	Conditions to Avoid NONE
	Will Not Occur		

Section VI — Health Hazard Data

Route(s) of Entry:	Inhalation?	RARE	Skin?	MAY OCCUR	Ingestion?	SHOULD NOT OCCUR
--------------------	-------------	------	-------	-----------	------------	------------------

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

Carcinogenicity:	NTP?	IARC Monographs?	OSHA Regulated?
------------------	------	------------------	-----------------

AMES TEST RESULT IS NEGATIVE.

Signs and Symptoms of Exposure
NONE IN NORMAL HANDLING AND USE.

Medical Conditions Generally Aggravated by Exposure	EYE CONTACT:	FLUSH EYES THOROUGHLY WITH WATER. SEEK MEDICAL TREATMENT.
	INHALATION:	REMOVE FROM EXPOSURE.
Emergency and First Aid Procedures	INGESTION:	DILUTE STOMACH CONTENTS WITH SEVERAL GLASSES OF WATER. SEEK MEDICAL TREATMENT.
	SKIN CONTACT:	NORMAL WASHING WITH SOAP AND WATER.

Section VII — Precautions for Safe Handling and Use

Steps to Be Taken in Case Material Is Released or Spilled
SWEEP UP OR PICK UP BY VACUUM CLEANER. DUST FILTER RESPIRATOR REQUIRED WHEN TLV EXCEEDED.

Waste Disposal Method
INSOLUBLE IN WATER. DISPOSE OF IN CONFORMITY WITH FEDERAL, STATE AND LOCAL REGULATIONS.

Precautions to Be Taken in Handling and Storing
KEEP CONTAINERS CLOSED. STORE IN A COOL, DRY PLACE.

Other Precautions
DO NOT STORE NEAR COMBUSTIBLES OR HEAT SOURCES.

Section VIII — Control Measures

Respiratory Protection (Specify Type)
NORMALLY NOT REQUIRED.

Ventilation	Local Exhaust NORMALLY NOT REQUIRED.	Special NORMALLY NOT REQUIRED.
	Mechanical (General) NORMALLY NOT REQUIRED.	Other NORMALLY NOT REQUIRED.
Protective Gloves	NORMALLY NOT REQUIRED	
Other Protective Clothing or Equipment	GLOVES AND DUST FILTER RESPIRATOR RECOMMENDED WHEN HANDLING BULK AMOUNTS.	
Work/Hygienic Practices	CLEANSE ROOM THOROUGHLY IN COURSE OF OPERATING. MINIMIZE BREATHING DUST.	