

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) DEVELOPER FOR
DC-121/131, DC-161/162 and DC-232

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

HITA INDUSTRIAL CO., LTD.

Emergency Telephone Number
(201)-288-6900

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

2-28 TAMATSUKURI, 1 CHOME

Telephone Number for Information
(201)-288-6900

HIGASHI-KU, OSAKA, JAPAN

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)
CAS. NO.	PEL: RESPIRABLE DUST	TOTAL DUST		
METAL IRON	2mg/m ³	8mg/m ³		MORE THAN
7439-89-6				80%
TONER FOR DC-121/131	2mg/m ³	8mg/m ³		LESS THAN
				20%

Section III — Physical/Chemical Characteristics

Boiling Point	N/A	Specific Gravity (H ₂ O = 1)	4.95
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	N/A	LEL	UEL
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		Conditions to Avoid NONE
	Stable	X	

Incompatibility (Materials to Avoid) NONE

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? 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 UseSteps 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
Eye Protection
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.