

Material Safety Data Sheet
 May be used to comply with
 OSHA's Hazard Communication Standard,
 29CFR 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)

Model : 3810

T-85P (Black Toner)

Section I

Manufacturer's Name Toshiba Corporation Yanagicho Works	Emergency Telephone Number Telephone Number for Information 044-548-5600
Address (Number, City, State, and ZIP Code) 70, Yanagi-cho, Saiwai-ku, Kawasaki-shi, 210 Japan	Date Prepared June 1, 1990 Signature of Preparer (Optional) Hideo Kikuno

Section II - Ingredients / Identity Information

Components (Specific Chemical Identity; Common Name(s))	CAS No.	OSHA PEL	ACGIH TLV	%
Styrene acrylate copolymer	25153-46-2	Not listed	Not listed	88-93
Carbon black	1333-86-4	3.5mg/m ³	3.5mg/m ³	3-5
Polypropylene	9003-07-0	Not listed	Not listed	3-5
Organic pigment	31714-55-3	Not listed	Not listed	1-2

* PEL as the product : 15mg/m³ (total dust), 5mg/m³ (respirable dust)
 * TLV as the product : 10mg/m³ (total dust), 5mg/m³ (respirable dust)

Section - III - Physical/Chemical Characteristics

Boiling Point	*N.A	Specific Gravity (H ₂ O=1)	1.1-1.5
Vapor pressure (mmHg.)	N.A	Melting Point	N.A
Vapor Density (AIR=1)	N.A	Evaporation Rate (Butyl Acetate=1)	N.A
Solubility in Water	Negligible		
Appearance and Odor	Fine black powder, odorless.		

Section IV - Fire and Explosion Hazard Data

Flash Point (Method Used)	N.A	Flammable Limits	LEL N.A UEL N.A
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Extinguishing Media
 CO₂ dry chemical, foam or water.

Special Fire Fighting Procedures
 This material will burn in the case of fire.
 The decomposition products are CO, CO₂ and NOx.

Unusual Fire and Fighting Procedures
 This material has no unusual fire or explosion hazards.

IDENTITY

Section V - Reactivity Data

Stability	Unstable		Condition to Avoid	None
	Stable	X		
Incompatibility (Materials to Avoid)			None	
Hazardous Decomposition or Byproducts			CO, CO ₂ and NOx	
Hazardous Polymerization	May Occur		Condition 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)						
LDLo value of this toner in an oral acute toxicity test is over 5.0g/kg.						
Carcinogenicity:	NTP?	No	IARC Monographs?	No	OSHA Regulated?	No

Signs and Symptoms of Exposure

Minimum irritation to respiratory tract may occur as with exposure to any non-toxic dust.

Medical Conditions

Generally Aggravated by Exposure

Accumulation of dust in the respiratory system.

Emergency and First Aid Procedures

Inhalation: Remove to fresh air if effects occur. consult local medical personnel.

Eyes: In case of contact, immediately flush eyes with water for 5 minutes.

Ingestion: Rinse mouth with water. Call a physician.

Section VII - Precautions for Safe Handling and Use

Steps to Be Taken in Case Material is Released or Spilled

Sweep up or clean up with a vacuum cleaner.

Waste Disposal Method

Waste material may be dumped or incinerated under conditions which meet all federal, state and local environmental regulations.

Precautions to Be Taken in Handling and Storing

No special storage requirements for safety reasons.

Other Precautions

None

Section VIII - Control Measures

Respiratory Protection (Specify Type)		None required under normal use.	
Ventilation	Local Exhaust	No	Special
	Mechanical (General)	No	Other
			No
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	Inhalation should be avoided.		