

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.

HAZARD RATING	Flam	Reactive
Health Hazard	0	0
Physical Hazard	0	0
Environmental Hazard	0	0
Chronic Health Hazard - See Section V		

IDENTITY (As Used on Label and List)
 T-2510, T-1710, T-4010, T-3210, T-1350/1350E and T-4550 Black Toner

Section I	
Manufacturer's Name Toshiba Corporation Yanagicho Works	Emergency Telephone Number
Address (Number, City, State, and ZIP Code) 70, Yanagi-cho, Saiwai-ku, Kawasaki-shi, 210 Japan	Telephone Number for Information 044-548-5500
	Date Prepared February 9, 1994
	Signature of Preparer (Optional) Toshimichi Ishizawa

Section II - Ingredients / Identity Information				
Components (Specific Chemical Identity/Common Name(s))	GAS NO.	OSHA PEL	ACGIH TLV	%
Styrene acrylate copolymer	25036-16-2	Not listed	Not listed	88.3
Polypropylene	9003-07-0	Not listed	Not listed	3.0
Carbon black	1333-85-4	3.5mg/m ³	3.5mg/m ³	6.0
Inorganic pigment	25869-00-5	Not listed	Not listed	1.0
* PEL as the product : 15mg/m ³ (total dust), 5mg/m ³ (respirable dust)				
* TLV as the product : 10mg/m ³ (total dust), 5mg/m ³ (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	150 C
Vapor Density (AIR=1)	N.A	Evaporation Rate (Butyl Acetate=1)	N.A
Solubility in Water	Negligible		
Appearance and Odor	Fine black powder, practically odorless.		

Section IV - Fire and Explosion Hazard Data			
Flash Point (Method Used)	N.A	Flammable Limits	LEL N.A UEL N.A
Extinguishing Media	CO ₂ dry chemical, foam or water.		
Special Fire Fighting Procedures	This material will burn in the case of fire. The decomposition products are CO, CO ₂ and NOx.		
Unusual Fire and Fighting Procedures	This material has no unusual fire or explosion hazards.		

(Reproduce locally) * N.A=Not applicable OSHA 174, Sept. 1985

IDENTITY

T-1711

Section V - Reactivity Data

Stability	Unstable	Condition to Avoid	None
	Stable		X
Incompatibility (Materials to Avoid)			
Hazardous Decomposition or Byproducts			
Hazardous Polymerization	May Occur	CO, CO ₂ , and NO _x	Condition to Avoid
	Will not Occur	X	None

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

AMES test result is negative.

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)

Ventilation	Local Exhaust	None required under normal use.
	Mechanical (General)	Special
Protective Gloves	None required under normal use.	Other
		No
Other protective Clothing or Equipment	None required under normal use.	Eye Protection
		None required under normal use.
Work/Hygiene Practices	Inhalation should be avoided.	