

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) *TN300HL* / TN-5000PF TONER / *TN200HL* Note: Blank space are not permitted. If any item is not applicable, or no information is available, the space must be marked to indicate that.

Section I

Distributor's Name Brother Industries, Ltd.	Emergency Telephone Number 06(533)7438 Chemical Division
Address (Number, Street, City, State, and ZIP Code) 1-1, Kawagishi 1-chome, Mizuhoku, Nagoya 467, JAPAN	Telephone Number for Information 0734(26)8557 Recording & Imaging Science Lab.
Manufacturer's Name Kao Corporation	We're at your side Apr. 15, 1996
Address 4-1, 1-chome Itachibori, Nishi-ku Osaka-shi, Osaka-fu 550 JAPAN	brother <small>Registered (optional)</small>

Section II — Hazardous Ingredients/Identity Information

Hazardous Components (Specific Identity; Common Name(s))	OSHA PEL	ACGIH TLV	Other Limits Recommended	%(optional)
Carbon black (CAS No. 1333-86-4)	3.5mg/m ³	3.5mg/m ³	None	3-4
None Hazardous Components				
Polyester resin	Not listed	Not listed	None	
Dyess	Not listed	Not listed	None	
Wax	Not listed	Not listed	None	

Section III — Physical/Chemical Characteristics

Boiling Point	*N.A.	Specific Gravity (H ₂ O = 1)	1.2
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 odorless powder (Black colored)			

Section IV — Fire and Explosion Hazard Data

Flash Point (Method used) N.A.	Flammable Limits	LEL 31.6g/m ³	UEL Not known
Extinguishing Media Water spray, Foam, CO ₂ , Dry powder			
Special Fire Fighting Procedures These materials will burn in the case of fire. The decomposition products are CO, CO ₂ and NO _x . Avoid inhalation of smoke.			
Unusual Fire and Explosion Hazards These materials have no unusual fire or explosion hazards			

(Reproduce locally)

*N.A. Not Applicable

OSHA 174 Sept.1985

Section V — Reactivity Data

Stability	Unstable		Conditions to Avoid	None
	Stable	X		

Incompatibility (Materials to Avoid)

Strong acid or alkaline

Hazardous Decomposition or Byproducts

Phenol derivatives, Carbon monoxide when heated at high temperature (>300° C)

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

Section VI — Health Hazard Data

Route(s) of Entry:	Inhalation?	Skin?	Ingestion?
	Yes	No	Possible but very unusual

Health Hazardous (Acute and Chronic)

Acute toxicity; LD50 >2000mg/kg

(This is the toxicity data of the similar material.)

Carcinogenicity:	NTP?	IARC Monographs?	OSHA Regulated?
	No	No	No

Mutagenicity; Ames test Negative (S.typhimurium, Escherichia coli) (This is the data of the similar material.)

Signs and Symptoms of Exposure

Minimal irritation to respiratory tract may occur as with exposure to large amount of any non-toxic powder.

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 plenty of water.

Section VII — Precautions for Safe Handling and Use

Step 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	No
	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.

TN300HL/TN5000PF/TN200H.