



Material Safety Data Sheet

May be used to comply with Administration 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

(Non-Mandatory Form)
Form Approved
OMB No. 1218-0072

IDENTITY (As Used on Label and List) TONER [TN200]		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		Date Prepared January 15, 1997	
Address 4-1, 1-chome ettachibori, Nishi ku Osaka-shi, Osaka-fu 550 JAPAN		Signature of Prepare (optional)	
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)	3.5 mg/m ³	3.5mg/m ³	None 3-4
None Hazardous Components			
Polyester resin	Not listed	Not listed	None
Dyes	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 Fire odorless powder (Black colored)			
Section IV - Fire and Explosion Hazard Data			
Flash Point (Method used) N.A.	Flammable Limits	LEL 31.6 g/m ³	UEL Not Known
Extinguishing Media Water spray, Foam, C Q, Dry powder			
Special Fire Fighting Procedures These materials will burn in the case of fire. The decomposition products are CO, C Q 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

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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 ? Yes	Skin ? No	Ingestion ? 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? No	IARC Monographs ? No	OSI IA Regulated ? No
Mutagenicity; Ames test Negative (S. typhimurium, Escherichia coil) (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 General 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.			

*U.S.G.P.O.:1985-491-529/45775