

TN100HL/PPF

TN-100 TONER U.S. CANADA AUSTRALIA

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

(1) IDENTITY (As Used on Label and List) TN-100 TONER PPF	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.
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**Section I**

Manufacturer's Name BROTHER INDUSTRIES, LTD	Emergency Telephone Number JAPAN 052-824-2771
Address (Number, Street, City, State, and ZIP Code) 1-1-1, Kawagishi-cho, Mizuho-ku, Nagoya 467, Japan	Telephone Number for Information JAPAN 052-824-2771
	Date Prepared JULY. 7. 1994
	Signature of Preparer (optional)

**Section II - Hazardous Ingredients/Identity Information**

INGREDIENT	CAS. No	OSHA PEL	ACGIH TLV	Other Limits Recommended	%
Aluminum Oxide	1344-28-1	15mg/m <sup>3</sup>	10mg/m <sup>3</sup>	None	<1
Silica	7831-86-9	20Mppcf/8hr	10mg/m <sup>3</sup>	None	<1
(None Hazardous Ingredients)					
Styrene-Acrylate Copolymer					
	9003-53-6	N.L.	N.L.	None	30~35
	29497-14-1	N.L.	N.L.	None	30~35
Polypropylene	9003-07-0	N.L.	N.L.	None	4~6
Magnetite	1309-38-2	N.L.	N.L.	None	30~40

**Section III - Physical/Chemical Characteristic**

Boiling Point	N.A.	Specific Gravity (R.O-1)	1.42
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	Insoluble		
Appearance and odor	Fine black powder, practically odorless.		

**Section IV - Fire and Explosion Hazardous Data**

Flash Point (Method Used)	N.A.	Flammable Limits	LEL N.A.	UEL N.A.
Extinguishing Media	Water, CO <sub>2</sub> , Foam, Dry Chemical.			
Special Fire Fighting Procedures	None			
Unusual Fire and Explosion Hazards	None under normal storage and use conditions.			

N.A. Not Applicable N.L. Not Listed

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 Polymerisation	May Occur		Conditions to Avoid None
	Will not Occur	X	

**Section VI-Health Hazard Data**

Route(s) of Entry:	Inhalation? YES	Skin? YES	Ingestion? Possible but unusual.
Health Hazards(Acute and Chronic)	Health hazard are minimal being neither irritating, corrosive,volatile, nor toxic.		
Carcinogenicity:	NTP? N.L.	IARC Monographs? N.L.	OSHA Regulated? N.L.
Signs and Symptoms of Exposure	Contact with eyes may result in mechanical irritation. Minimal respiratory tract irritation may occur as with exposure to large amounts of any nontoxic dust.		
Medical Conditions	Generally Aggravated by Exposure N.A.		
Emergency and First Aid Procedure			
Eyes contact : Flush immediately with running water.			
Skin contact : Wash with water and soap.			
Inhalation : Remove to fresh air area. Aid in breathing if necessary and get medical attention.			
Ingestion : Dilute with water and immediately induce vomiting. If necessary get medical attention.			

**Section VII-Precautions for safe Handling and Use**

Steps to Be Taken in Case Material is Released or Spilled	
Vacuum or sweep up dry powder.	
Waste Disposal Method	
Dispose in accordance with local, state and federal regulations.	
Precautions to Be Taken in Handling and Storing	
Avoid dust inhalation and skin contact.	
Other Precautions	
Keep containers closed. Store in a cool, dry place.	

**Section VIII-Control Measures**

Respiratory Protection (Specify Type)		None required under normal use.	
Ventilation	Local Exhaust	Special	None required under normal use.
	Mechanical(General)	Other	None required under normal use.
Protective Gloves		Eye Protection	
None required under normal use.		None required under normal use.	
Other Protective Clothing or Equipment None required under normal use.			
Work/Hygienic Practices Minimize breathing dust.			