MATERIAL SAFETY DATA SHEET

MAY BE USED TO COMPLY WITH OSHA'S HAZARD COMMUNICATION STANDARD 29CFR 1910.1200

MSE MICRO SOLUTIONS ENTERPRISES Choose Quality®

EMERGENCY TELEPHONE NUMBER 1-(800)-424-9300

DATE PREPARED 09/20/2010 **SIGNATURE OF PREPARER (OPTIONAL)**

SECTION 1 CHEMICAL PRODUCT / NAME

Product/chemical name:	**BROTHER TN-580/EURO TN-3170**	**PN#: 02-03-5816**
CAS number:	Mixture	
Other designations:	N/A	
General use:	Laser printer	

SECTION 2 COMPOSITION/INFORMATION ON INGREDIENTS

Ingredient name:	CAS NUMBER	%	OSHA PEL	ACGIH TLV	OTHER LIMITS
Carbon black	1333-86-4	1-5%			
Dyestuff	101357-15-7	1-5%			
Polypropylene	9003-07-0	1-5%			
Styrene Acrylate Resin	26655-10-7	60-100%			

NDA = NO DATA AVAILABLE
N/A = NOT APPLICABLE

SECTION 3 HAZARDOUS IDENTIFICATION

Refer to Section 8 for the exposure limits and Section 11 for Toxicological information.

SECTION 4 FIRST AID MEASURES

Inhalation:	General first aid, rest, warmth, seek medical attention.
Eye Contact:	Immediately flush with plenty of water for up to 15 minutes. Remove any contact lenses and open eyes wide apart.
Skin Contact:	Wash well with soap and running water.
Ingestion:	Immediately rinse mouth and drink plenty of water (200-300 ml).
General Information:	When in doubt or symptoms persist, seek medical attention.

SECTION 5 FIRE FIGHTING MEASURES

Extinguishing media:	Water spray, fog or mist, foam, carbon dioxide.
Unusual Fire or Explosion Hazards:	Combustible solid.
Specific Hazards:	Dust may form an explosive mixture in the atmosphere. Lower explosive limit: ca 5% (in air). By fire, toxic gases may be formed (Cox, Nox).
Fire-fighting instructions:	Avoid breathing fire vapors.

SECTION 6 ACCIDENTAL RELEASE MEASURES

Personal Precautions: Use protective gloves, goggles, an suitable protective clothing. Do not smoke; use naked flames or other sources of ignition.

Spill Cleanup Methods: Avoid generations and spreading of dust. Collect powder using special dust vacuum cleaner with particle filter or carefully sweep in to closed container, wash contaminated area with water. For waste disposal, see section 13.

SECTION 7 HANDLING AND STORAGE

Usage Precautions: Observe good industrial hygiene practices. Keep away from heat, sparks, and open flame. Do not eat, drink, or smoke when using this product. Avoid handling which leads to dust formation. Avoid inhalation of dust.

Storage Precaution: Store in closed original container at temperatures between 0°C and 40° C. Keep out of reach of children. Keep away from food, drink, and animal feed.

Regulatory Requirement: N/A

SECTION 8 EXPOSURE CONTROLS/PERSONAL PROTECTION

STD: General dust recommended limits (UK): 10mg/m^3 (8-hour TWA) total inhalable dust or 4mg/m^3 (8-hour TWA) total respirable dust.

Engineering Measures: Provide adequate ventilation.

Hand Protection: Protective gloves are recommended

Eye Protection: Wear dust resistant safety goggles where either is a danger of eye contact.

SECTION 9 PHYSICAL AND CHEMICAL PROPERTIES

Appearance: Powder, dust
Color: Black
Odor: Slight odor
Solubility: Insoluble in water
Melting Point: 120 Bulk density 1000-1700kg/m^3
Vapor Pressure: NA pH-Value, diluted solution
Auto Ignition: >360

SECTION 10 STABILITY AND REACTIVITY

Stability: Stable under normal temperature conditions and recommended use.
Hazardous Decomposition Products: Thermal decomposition or combustion may liberate carbon oxides and other toxic gases or vapors.

SECTION 11 TOXICOLOGICAL INFORMATION

General information: Mutagenocity, the induction of inheritable genetic damage (Ames test): Negative.
Inhalation: Dust may irritate respiratory system or lungs
Ingestion: No harmful effects expected in amounts likely to be ingested by accident.
Skin Contact: Powder may irritate skin.
Eye Contact: May cause temporary eye irritation.

*** See NIOSH,RTECS for additional toxicity data**

SECTION 12 ECOLOGICAL INFORMATION

Water Hazard:	N/A

SECTION 13 DISPOSAL CONSIDERATIONS

General Information:	Waste to be treated as controlled waste. Disposal should be in accordance with local, state, or national legislation.
Disposal Methods:	Powder to be collected, sealed tightly in bags and disposed on approved landfills. Incineration by an approved method could be considered.
Waste Class:	List of wastes (ref: Decision 2000/532/EC): 08 03 18.

SECTION 14 TRANSPORT INFORMATION

General:	The product is not covered by the international regulation of transport of dangerous goods (IMDG, IATA, ADR/RID).

SECTION 15 REGULATORY INFORMATION

Risk Phrases:	Not classified.
Safety Phrases:	Not classified.
UK Regulatory References:	Health and safety at work act 1974.
Environmental Listing:	Environmental Protection ACT 1990. Pollution Protection and Control Act 1999.
EU Directives:	Dangerous preparations directive 1999/45/EC. System of specific
Statutory Instruments:	Chemicals (Hazard information and packaging) regulations. Control of substances hazardous to health.
Approved Code of Practice:	Safety Data Sheets for substances and preparations.
Guidance Notes:	Classification and labeling of substances and preparations dangerous for supply.

SECTION 16 OTHER INFORMATION

Prepared by:	N/A

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