



**\*\*\*\* MATERIAL SAFETY DATA SHEET \*\*\*\***

**\*\*\*\* SECTION 1 - CHEMICAL PRODUCT AND COMPANY IDENTIFICATION \*\*\*\***

**Product : BROTHER TN 2000-3060-3170-4100-5500-6600-7600**

Company Identification: **S.E.A. S.r.l.**

Sede Legale: Via Riscatto 1 – 80027 Frattamaggiore (NA) P.iva 05102851218

Sede Amministrativa e stabilimento: Via S. Antonio 51 loc. Giardoni – 82030 Limatola (BN)

pbx. ++39 (0) 0823484101 – fax ++39 (0) 0823487244

**\*\*\*\* SECTION 2 - COMPOSITION, INFORMATION ON INGREDIENTS \*\*\*\***

Principal Components (CAS No.)	Wt%	OSHA*	ACGIH**	DFG***
Resin (100-42-5)	70-90	-	-	-
Pigment (1317-61-9)	3-10	-	-	-
CCA ( 141091-64-7 )	1-5	-	-	-
Wax ( 8002-74-2 )	1-5	-	-	-

Contains no materials classified as hazardous under EC criteria.

**\*\*\*\* SECTION 3 - HAZARDS IDENTIFICATION \*\*\*\***

EMERGENCY OVERVIEW: Color fine powder, slight plastic odor

Eye: May cause transient slight irritation.

Skin: May cause slight irritation.

Ingestion: Practically non-toxic based on animal testing. Ingestion is a minor route of entry for intended use of this product.

Inhalation: Exposure to excessive amounts of dust may cause physical irritation to respiratory.

Chronic: Prolonged inhalation of excessive amounts of dust may cause lung damage. Use of this product as intended will not result in inhalation of excessive amounts of dust.

**\*\*\*\* SECTION 4 - FIRST AID MEASURES \*\*\*\***

Eyes: Do not allow victim to rub eye(s). Flush with lukewarm, gently flowing water for 5 minutes until particle is removed. If irritation persists, obtain medical attention.

Skin: Wash with soap and water. If irritation persists, obtain medical advice.

Ingestion: Rinse mouth. Drink 1 or 2 glasses of water. If irritation or discomfort occurs, obtain medical advice immediately.

Inhalation: If symptoms are experienced, move victim to fresh air and obtain medical advice.

Notes to Physician: None



**\*\*\*\* SECTION 5 - FIRE FIGHTING MEASURES \*\*\*\***

Extinguishing Media: CO<sub>2</sub>, water, dry chemicals

Special firefighting procedures: Avoid breathing fire vapours.

Unusual Fire and Explosion Hazards: Dust may form explosive mixture with air. Generates massive smoke during fire. Fire causes formation of toxic gases.

**\*\*\*\* SECTION 6 - ACCIDENTAL RELEASE MEASURES \*\*\*\***

General Information: Avoid breathing dust. Do not wash away into sewer.

Spills/Leaks: Sweep slowly spilled powder on to paper, and carefully transfer into a waste container. Clean remainder with wet paper, wet cloth or a vacuum cleaner.

If a vacuum cleaner is used, it must rate as a dust explosion-proof type.

Fine powder can form explosive dust-air mixtures.

**\*\*\*\* SECTION 7 - HANDLING AND STORAGE \*\*\*\***

Handling: Avoid breathing dust. Use with adequate ventilation.

Storage: Keep out of the reach of children. Keep away from oxidizing materials.

**\*\*\*\* SECTION 8 - EXPOSURE CONTROLS, PERSONAL PROTECTION \*\*\*\***

Protective equipment: Protective gloves, dust resistant goggles, dust masks.

Process control measures: Use engineering controls to reduce air contamination to permissible exposure level.

Ventilation: No specific ventilation requirements noted.

Respirators: No specific recommendation made. Protection against nuisance dust must be used when the general level exceeds 10mg/m<sup>3</sup>.

Protective gloves: Use protective gloves.

Eye protection: Wear dust resistant safety goggles where there is danger of eye contact.

Hygienic work routines: Do not smoke in work area. Wash after contact with toner before eating, smoking or using toilet.



**\*\*\*\* SECTION 9 - PHYSICAL AND CHEMICAL PROPERTIES \*\*\*\***

Physical State: fine powder  
Color: Black  
Odor: Slight plastic odor  
PH: Not applicable  
Vapor Pressure: Not applicable  
Viscosity: Not applicable  
Boiling Point: Not applicable  
Freezing/Melting Point: 100-150(Softening point)  
Auto ignition Temperature: Not available  
Flash Point: Not applicable  
Explosion Limits, lower: Not applicable  
Explosion Limits, upper: Not applicable  
Decomposition Temperature: >200  
Solubility in water: Negligible  
Specific Gravity/Density: 1.4-1.8  
Molecular Formula: None  
Molecular Weight: None

**\*\*\*\* SECTION 10 - STABILITY AND REACTIVITY \*\*\*\***

Chemical Stability: Stable under normal temperatures & pressures.  
Conditions to Avoid: Heat, flames and other sources of ignition.  
Hazardous polymerization: Will not polymerize.  
Hazardous decomposition products: Fire creates toxic gases of carbon dioxide (CO<sub>2</sub>), carbon monoxide (CO), and polycyclic aromatic hydrocarbons (PAH).

**\*\*\*\* SECTION 11 - TOXICOLOGICAL INFORMATION \*\*\*\***

Skin Corrosive: None  
Skin Irritant (rabbit): Not an irritant  
Eye Irritant (rabbit): Not an irritant  
Human Patch: Not available  
Sensitization: Skin (guinea-pig) Not a sensitizer  
Acute Toxicity: Swallowed. LD 50 (rat) > 5000mg/kg (practically non-toxic)  
Skin. LD 50(rabbit) > 5000mg/kg (practically non-toxic)  
Inhaled. LC50(rat) > 4.1mg/L/4hr (practically non-toxic)

Chronic Toxicity: The results obtained from a supplier sponsored, Chronic Toner Inhalation Study, demonstrated no lung change in rats for the lowest (1mg/m<sup>3</sup>) exposure level. (i.e. the level most relevant to potential human exposure). A very slight degree of fibrosis was noted in 25% of the animals at the middle (4mg/m<sup>3</sup>) exposure level, while a slight degree of fibrosis was response to excessive amounts of any dust retained in the lungs for a prolonged period. This study was conducted using a special test toner to comply with EPA testing protocol.



Carcinogenicity: No carcinogen or potential carcinogen, according to IARC Monographs\*\*, NTP\*\*\*, OSHA (USA) regulation and EC Directive.

Mutagenicity: Ames Assay: Negative

Reproduction and Development: Not classified as "Reproductive and Development chemicals"

**\*\*\*\* SECTION 12 - ECOLOGICAL INFORMATION \*\*\*\***

Biodegradability: Not available

Bioaccumulation: Not available

Acute Toxicity: 96hr LC 50: > 500mg/L (practically non-toxic)

48hr EC 50(Daphnia magna): > 100mg/L (practically non-toxic)

Environmental hazards: Not regarded as dangerous for the environment.

**\*\*\*\* SECTION 13 - DISPOSAL CONSIDERATIONS \*\*\*\***

DO NOT put toner container into fire; heated toner may cause severe burns. DO NOT shred a toner container holding remaining toner, unless dust-explosion preventing measures are taken. Finely dispersed particles form explosive mixtures in air. Disposal should be subject to federal, state or local laws.

**\*\*\*\* SECTION 14 - TRANSPORT INFORMATION \*\*\*\***

UN Class: Not regulated

UN Number: None.

**\*\*\*\* SECTION 15 - REGULATORY INFORMATION\*\*\*\***

EPA Regulations:

RCRA Hazardous Waste Number: Not listed (40 CFR 261.33)

RCRA Hazardous Waste Classification: Not listed (40 CFR 261)

CERCLA Hazardous Substance(40 CFR 302.4) listed/unlisted specific per RCRA, sec. 3001; CWA sec. 311 (b)(40;)

CWA, Sec. 307(a),CAA, Sec.112

CERCLA Reportable Quantity (RQ), Not listed

SARA 311/312 Codes: N/A

SARA Toxic Chemical(40 CFR 372.65) : Not listed

SARA EHS (Extremely Hazardous Substance) (40 CFR 355): Not listed, Threshold Planning Quantity (TPQ)

OSHA Regulations:

Air Contaminant (29 CFR 1910.1000 < Table Z-1-A): Particulates not otherwise regulated.

State Regulations: Check your states regulations that may specifically list copy machine toner.

All ingredients are listed on TSCA Inventory.



**\*\*\*\* SECTION 16-OTHER INFORMATION\*\*\*\***

**NOTE:**

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**Reported by:**

Company Name: : **S.E.A. S.r.l.**

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