# This SDS packet was issued with item: 071502319

N/A



Product Name: TN-213Y, TN-217Y, TN-223Y, TN-227Y, TN-233Y, TN-237Y, TN-243Y, TN-243Y, TN-253Y, TN-253Y, TN-263Y, TN-267Y, TN-273Y, TN-277Y, TN-283Y, TN-287Y, TN-293Y, TN-297Y

Revision Date: 10-Sep-2018 Issuing Date: 06-Jul-2017 Revision Number: 2

Safety data sheet number: YT413-03

# 1. IDENTIFICATION

### Product identifier

Product Name	TN-213Y, TN-217Y, TN-223Y, TN-227Y, TN-233Y, TN-237Y, TN-243Y, TN-247Y, TN- 253Y, TN-257Y, TN-263Y, TN-267Y, TN-273Y, TN-277Y, TN-283Y, TN-287Y, TN-293Y, TN-297Y	
Other means of identification		
Product Code(s)	YT413-03	
Synonyms	None	
Recommended use of the chemical and restrictions on use		
Recommended Use	No information available	
Uses advised against	No information available	
Details of the supplier of the safety data sheet		
Manufacturer Address	Brother Industries, Ltd. 15-1 Naeshiro-cho, Mizuho-ku, Nagoya 467-8561, Japan	
Supplier Address	Telephone (for information): +81-52-824-2735 Brother International Corporation 200 Crossing Boulevard, Bridgewater, NJ 08807, USA Telephone (for information): +1-877-276-8437	
Emergency telephone number		
Emergency Telephone	CHEMTREC +1-800-424-9300	



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# 2. HAZARDS IDENTIFICATION

### **Classification**

This chemical is not considered hazardous by the 2012 OSHA Hazard Communication Standard (29 CFR 1910.1200)

### Hazards not otherwise classified (HNOC)

Not applicable

Label elements

The product contains no substances which at their given concentration, are considered to be hazardous to health.

Appearance

Physical state: Powder Odor: Odorless

Other Information

May be harmful if swallowed

#### Unknown acute toxicity

99.5 % of the mixture consists of ingredient(s) of unknown toxicity
97.5 % of the mixture consists of ingredient(s) of unknown acute oral toxicity
99.5 % of the mixture consists of ingredient(s) of unknown acute dermal toxicity
99.5 % of the mixture consists of ingredient(s) of unknown acute inhalation toxicity (gas)
99.5 % of the mixture consists of ingredient(s) of unknown acute inhalation toxicity (yapor)

99.5 % of the mixture consists of ingredient(s) of unknown acute inhalation toxicity (dust/mist)



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# 3. COMPOSITION/INFORMATION ON INGREDIENTS

### Substance

Not applicable.

### Mixture

Chemical name	CAS No	Weight-%	Trade secret
Styrene-acrylate-copolymer	25767-47-9	75-90	*
Pigment	**	4-10	*
Fatty acid ester	**	3-10	*
Silicon dioxide (amorphous)	112945-52-5	1-3	*
РММА	9011-14-7	1-3	*
Silicon dioxide (amorphous)	844491-94-7	<2	*
Styrene-acrylate Resin	**	0.1-1	*

\*The exact percentage (concentration) of composition has been withheld as a trade secret.

\*\*

Trade secret

# 4. FIRST AID MEASURES

Description of first aid measures		
Inhalation	Remove to fresh air.	
Eye contact	Rinse thoroughly with plenty of water for at least 15 minutes, lifting lower and upper eyelids. Consult a physician.	
Skin contact	Wash skin with soap and water. In the case of skin irritation or allergic reactions see a physician.	
Ingestion	Clean mouth with water and drink afterwards plenty of water.	
Most important symptoms and effects, both acute and delayed		
Symptoms	Inhalation (dust): For large quantities: May cause irritation to the respiratory system. Increased difficulty in breathing. Sneezing. Coughing Eye contact: May cause eye irritation Skin contact : Repeated and/or prolonged skin contact may cause irritation Ingestion: May cause stomach ache. Unlikely route of exposure	
Indication of any immediate medical attention and special treatment needed		
Note to physicians	Treat symptomatically.	



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### 5. FIRE-FIGHTING MEASURES

Suitable Extinguishing Media	Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.
Unsuitable extinguishing media	Do not use water jet.
Specific hazards arising from the chemical Explosion data	May form explosive dust clouds in air
Sensitivity to Mechanical Impact	None.
Sensitivity to Static Discharge	None.
Special protective equipment for fire-fighters	Do not use high-pressure water in order to prevent creating a dust cloud and spreading fire dust. Use appropriate respirator for carbon monoxide and carbon dioxide. Wear positive pressure self-contained breathing apparatus (SCBA) during the attack phase of firefighting operations and during cleanup in enclosed or poorly ventilated areas immediately after a fire. Personnel not having suitable respiratory protection must leave the area to prevent significant exposure to toxic combustion gases from any source.

### 6. ACCIDENTAL RELEASE MEASURES

#### Personal precautions, protective equipment and emergency procedures

Personal precautions	Avoid generation of dust. Do not breathe dust. A suitable dust mask or dust respirator with
	filter type A/P may be appropriate.

### Environmental precautions

Prevent entry into waterways, sewers, basements or confined areas

#### Methods and material for containment and cleaning up

Methods for containmentSweep the spilt toner or remove it with a vacuum cleaner and transfer into a sealed<br/>container carefully. Sweep slowly to minimize generation of dust during cleanup. If a<br/>vacuum cleaner is used, the motor must be rated as dust explosion proof. Potential for very<br/>fine particles to be taken into the vacuum only to be passed back into the environment due<br/>to pore size in the bag or filter.Methods for cleaning upTake up mechanically, placing in appropriate containers for disposal.Prevention of secondary hazardsClean contaminated objects and areas thoroughly observing environmental regulations.



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### 7. HANDLING AND STORAGE

### Precautions for safe handling

Advice on safe handling Keep out of the reach of children. Avoid generation of dust. Avoid inhalation of high concentrations of dust. Avoid contact with eyes.

#### Conditions for safe storage, including any incompatibilities

**Storage Conditions** Keep containers tightly closed in a dry, cool and well-ventilated place.

These products are black toner in a cartridge for Brother Industries, Ltd. laser printers, multifunction devices and fax receivers. This cartridge should be used as supplied by Brother and for use in the products stated.

### 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

#### Control parameters

**Exposure Limits** The following ingredients are the only ingredients of the product above the cut-off level (or level that contributes to the hazard classification of the mixture) which have an exposure limit applicable in the region for which this safety data sheet is intended or other recommended limit. At this time, the other relevant constituents have no known exposure limits from the sources listed here.

### Appropriate engineering controls

Engineering controls	Good general ventilation should be sufficient under normal use.	
Individual protection measures, such as personal protective equipment		
Eye/face protection	No special protective equipment required.	
Skin and body protection	No special protective equipment required.	
Respiratory protection	No protective equipment is needed under normal use conditions. If exposure limits are exceeded or irritation is experienced, ventilation and evacuation may be required.	
Environmental exposure controls	Avoid release to the environment.	
General hygiene considerations	Handle in accordance with good industrial hygiene and safety practice.	



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# 9. PHYSICAL AND CHEMICAL PROPERTIES

Information o	n basic pł	nysical and	d chemical	properties
Annearance				

Physical state
Color
Odor
Odor threshold

Property pH Powder yellow Odorless No information available <u>Values</u> No data available No data available No data available

No data available

No data available

No data available

No data available

No data available

No data available

No data available

No data available

Melting point / freezing point Boiling point / boiling range Flash point **Evaporation rate** Flammability (solid, gas) Flammability Limit in Air Upper flammability limit: Lower flammability limit: Vapor pressure Vapor density **Relative density** Water solubility Solubility(ies) Partition coefficient Autoignition temperature **Decomposition temperature Kinematic viscosity Dynamic viscosity Explosive properties Oxidizing properties** 

Other Information Softening point Molecular weight VOC Content (%) Liquid Density Bulk density

# Insoluble in water No data available No information available

No information available No information available No information available No information available No information available

### Remarks • Method

None known None known None known None known None known None known

None known None known None known

None known None known None known None known None known Explosive limits of toner particles suspended in air

approximately equal to that of coal dust.

# **10. STABILITY AND REACTIVITY**

Reactivity	No information available.
Chemical stability	Stable under normal conditions.
Possibility of hazardous reactions	None under normal processing.
Conditions to avoid	Keep away from heat. Avoid friction, sparks, or other means of ignition



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Incompatible materials

Strong oxidizing agents

Hazardous decomposition products Carbon oxides. Nitrogen oxides (NOx).

# **11. TOXICOLOGICAL INFORMATION**

#### **Product Information**

Inhalation	Acute $LC_{50} > 5.25$ mg/l/4h (OECD 436 method)
Eye contact	No information available
Skin contact	No information available
Ingestion	Acute LD <sub>50</sub> > 2000 mg/kg (OECD 420 method)

Skin corrosion/irritation	Non-irritant (OECD 404 method)
Serious eye damage/irritation	Minimal irritant to the eye (OECD 405 method)
Respiratory or skin sensitization	It is not a skin sensitizer (OECD 429 method)
Germ cell mutagenicity	AMES test : Negative (OECD 471 method)
Carcinogenicity	Ingredients of this product have not been classified as carcinogens according to IARC monographs, NTP and OSHA

12. ECOLOGICAL INFORMATION	
Ecotoxicity	The environmental impact of this product has not been fully investigated.
Persistence and degradability Bioaccumulation	No information available. There is no data for this product.
Other adverse effects	No information available.



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# **13. DISPOSAL CONSIDERATIONS**

### Waste treatment methods

Waste from residues/unused<br/>productsDo not put toner or toner cartridges into a fire, this can cause fire to spread with the risk of<br/>causing burn injuries. Shred toner cartridges in a dust/explosion controlled environment.<br/>Finely dispersed particles may form explosive mixtures in the air. Dispose of in accordance<br/>with Federal, State, and local regulations.

# 14. TRANSPORT INFORMATION

<u>DOT</u>	Not regulated
<u>TDG</u>	Not regulated
<u>MEX</u>	Not regulated
ICAO (air)	Not regulated
IATA	Not regulated
IMDG	Not regulated
<u>RID</u>	Not regulated
ADR	Not regulated
ADN	Not regulated

# **15. REGULATORY INFORMATION**

International Inventories	
TSCA	Complies
DSL/NDSL	Exempt
EINECS/ELINCS	Complies
ENCS	Complies
IECSC	Complies
KECL	Complies
PICCS	Exempt
AICS	Complies



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#### Legend:

TSCA - United States Toxic Substances Control Act Section 8(b) Inventory
 DSL/NDSL - Canadian Domestic Substances List/Non-Domestic Substances List
 EINECS/ELINCS - European Inventory of Existing Chemical Substances/European List of Notified Chemical Substances
 ENCS - Japan Existing and New Chemical Substances
 IECSC - China Inventory of Existing Chemical Substances
 KECL - Korean Existing and Evaluated Chemical Substances
 PICCS - Philippines Inventory of Chemicals and Chemical Substances

AICS Australian Inventory of Chemical Substances

AICS - Australian Inventory of Chemical Substances

#### US Federal Regulations

### SARA 313

Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product does not contain any chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372.

#### SARA 311/312 Hazard Categories

Acute health hazard	No
Chronic Health Hazard	No
Fire hazard	No
Sudden release of pressure hazard	No
Reactive Hazard	No

#### CWA (Clean Water Act)

This product does not contain any substances regulated as pollutants pursuant to the Clean Water Act (40 CFR 122.21 and 40 CFR 122.42).

### **CERCLA**

This material, as supplied, does not contain any substances regulated as hazardous substances under the Comprehensive Environmental Response Compensation and Liability Act (CERCLA) (40 CFR 302) or the Superfund Amendments and Reauthorization Act (SARA) (40 CFR 355). There may be specific reporting requirements at the local, regional, or state level pertaining to releases of this material.

### U.S. State Right-to-Know Regulations

US State Regulations This product does not contain any substances regulated by state right-to-know regulations

### U.S. EPA Label Information

EPA Pesticide Registration Number Not applicable



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# 16. OTHER INFORMATION, INCLUDING DATE OF PREPARATION OF THE LAST REVISION

<u>NFPA</u>	Health hazards 0	Flammability 0	Instability 0	Section 9: Physical and chemical properties -	
HMIS	Health hazards 1	Flammability 0	Physical hazards 0	Personal protection X	
Issuing Date	06-Jul-2017				
Revision Date	10-Sep-2018				
Revision Note <u>Disclaimer</u>	No informa	tion available.			

The information relates only to this product. It may not be valid, if used in combination with any other materials or in any other process, and it is based on our best knowledge as of the date of preparation (revision).

**End of Safety Data Sheet**