



Safety Data Sheet according to Regulation (EC) No. 1907/2006 (REACH)

Material Name: Thermoplastic Powder

SDS ID: SDS-82040-100R

SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1 Product identifier

Material Name

Thermoplastic Powder

Trade Names

Part Number: TROY Group M607/M608/M609 MICR Secure Toner - Cartridge

Substance Registration Number(s)

This material is imported in amounts < 1 tonne/annum. This product and its components are not subject to REACH.

1.2 Relevant identified uses of the substance or mixture and uses advised against

Identified uses

This product is a MICR toner preparation that is used in the TROY/HP M607/M608/M609 series printers.

1.3 Details of the supplier of the safety data sheet

TROY Group Inc.

Three Bryan Drive

Wheeling, WV 26003 USA

Phone: (304) 232-0899

E-mail: customerservice@troygroup.com

1.4 Emergency telephone number

ChemTel: US: 1-800-255-3924, International: +1-813-248-0585, Australia: 1-300-954-583, Brazil: 0-800-591-6042, China: 400-120-0751, India: 000-800-100-4086, Mexico: 800-099-0731

Contract #: MIS2071336

SECTION 2: Hazards identification

2.1 Classification of the substance or mixture

Classification according to Regulation (EC) No. 1272/2008 [CLP]

None needed according to classification criteria

Classification according to Directive 67/548/EEC or 1999/45/EC

No classification is assigned, based on classification criteria.

Review the entire data sheet for any additional information which did not result in a classification.

2.2 Label elements

Labeling according to Regulation (EC) No. 1272/2008 [CLP]

Hazard symbols

None needed according to classification criteria

Signal word

None needed according to classification criteria



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Hazard statements

None needed according to classification criteria

Precautionary statements

Prevention

None needed according to classification criteria

Response

None needed according to classification criteria

Storage

None needed according to classification criteria

Disposal

P501 Dispose of contents/container in accordance with local/regional/national/international regulations

Labeling according to Directive 67/548/EEC and/or 1999/45/EC

None needed according to classification criteria.

SECTION 3: Composition / information on ingredients

CAS EC No Registration No	Component Name Synonyms	67/548/EEC (DSD)	1272/2008 (CLP)	Percent
Proprietary -- --	Polyester Polyurethane Resin	--	--	40-70
1317-61-9 215-277-5 --	Ferric oxide black	--	--	15-40
Proprietary --	Polymer	--	--	3-7
7631-86-9 231-545-4 --	Silica, amorphous	--	--	<2

SECTION 4: First aid measures

4.1 Description of first aid measures

Inhalation

If adverse effects occur, remove to uncontaminated area. Give artificial respiration if not breathing. Get medical advice/attention if you feel unwell.



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Skin

Wash affected area with soap or mild detergent and large amounts of water until no evidence of chemical remains (approximately 15-20 minutes). Get medical attention, if needed. Thoroughly clean and dry contaminated clothing before reuse.

Eyes

Flush eyes with plenty of water for at least 15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention.

Ingestion

If a large amount is swallowed, get medical attention.

4.2 Most Important Symptoms/Effects

Acute

May cause mechanical irritation.

Delayed

No information on significant adverse effects.

4.3 Indication of Immediate Medical Attention and Special Treatment

No data available.

SECTION 5: Firefighting measures

5.1 Extinguishing media

Suitable extinguishing media

Use carbon dioxide, regular dry chemical, regular foam or water.

Unsuitable Extinguishing Media

None known

5.2 Special hazards arising from the substance or mixture

Combustible Dust. Dust/air mixtures may ignite or explode. Avoid generating dust; fine dust dispersed in air in sufficient concentrations, and in the presence of an ignition source is a potential dust explosion hazard.

Combustion

carbon monoxide, carbon dioxide

5.3 Advice for firefighters

Stable under normal conditions of use.

Fire Fighting Measures

Move container from fire area if it can be done without risk. Avoid inhalation of material or combustion by-products.

Protective Equipment and Precautions for Firefighters

Wear full protective fire fighting gear including self contained breathing apparatus (SCBA) for protection against possible exposure.

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures



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Wear suitable protective clothing and eye/face protection.

6.2 Environmental precautions

Avoid release to the environment. Keep out of water supplies and sewers.

6.3 Methods and Materials for Containment and Cleaning Up

Minimize dust generation and accumulation. Clean up residue with a high-efficiency particulate filter vacuum. Collect spilled material in appropriate container for disposal.

6.4 Reference to other sections

Safe handling: see section 7. Personal protection equipment: see section 8. Disposal: see section 13.

SECTION 7: Handling and storage

7.1 Precautions for safe handling

Keep out of reach of children. Avoid breathing dust. Avoid contact with eyes, skin and clothing. Use only with adequate ventilation. Minimize dust generation and accumulation. Routine housekeeping should be instituted to ensure that dusts do not accumulate on surfaces. Wash exposed areas thoroughly with soap and water after skin contact and before eating, drinking, using tobacco products, or restrooms.

7.2 Conditions for safe storage, including any incompatibilities

None needed according to classification criteria

Keep out of reach of children. Store at room temperature. Keep container tightly closed. Keep dry. Keep separated from incompatible substances. Store in area of low relative humidity. Keep away from heat and ignition sources.

Incompatible Materials

strong oxidizing materials

7.3 Specific end use(s)

This product is a MICR toner preparation that is used in the TROY/HP M607/M608/M609 series printers.

SECTION 8: Exposure controls/personal protection

8.1 Control parameters

Component Exposure Limits

Silica, amorphous	7631-86-9
Austria:	4 mg/m ³ TWA [TMW] (also Silica manufactured through wet process) inhalable fraction
Finland:	5 mg/m ³ TWA
Germany (TRGS):	4 mg/m ³ TWA AGW (The risk of damage to the embryo or fetus can be excluded when AGW and BGW values are observed) inhalable fraction
Germany (DFG):	4 mg/m ³ TWA MAK inhalable fraction



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Ireland:	6 mg/m ³ TWA total inhalable dust; 2.4 mg/m ³ TWA respirable dust
	18 mg/m ³ STEL (calculated) total inhalable dust; 7.2 mg/m ³ STEL (calculated) respirable dust
United Kingdom:	6 mg/m ³ TWA inhalable dust; 2.4 mg/m ³ TWA respirable dust
	18 mg/m ³ STEL (calculated) inhalable dust; 7.2 mg/m ³ STEL (calculated) respirable dust

Biological limit value

There are no biological limit values for any of this product's components.

Derived No Effect Levels (DNELs)

No DNELs available.

Predicted No Effect Concentrations (PNECs)

No PNECs available.

8.2 Exposure Controls

Engineering controls

Use only in well ventilated areas. Ensure compliance with applicable exposure limits.

Eye/face protection

Eye protection not required under normal conditions.

Skin Protection

Protective clothing is not required under normal conditions.

Respiratory Protection

No respirator is required under normal conditions of use.

Glove Recommendations

Protective gloves are not required under normal conditions.

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

Appearance	black powder	Physical State	solid
Odor	Slight	Color	black
Odor Threshold	Not available	pH	Not available
Melting Point	Not available	Boiling Point	Not applicable
Freezing point	Not available	Evaporation Rate	Not available
Boiling Point Range	Not available	Flammability (solid, gas)	Not available
Autoignition	Not applicable	Flash Point	Not available
Lower Explosive Limit	Not available	Decomposition	Not available



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Upper Explosive Limit	Not available	Vapor Pressure	Not available
Vapor Density (air=1)	Not available	Specific Gravity (water=1)	Not available
Water Solubility	insoluble	Partition coefficient: n-octanol/water	Not available
Viscosity	Not available	Solubility (Other)	Not available
Density	Not available		

SECTION 10: Stability and reactivity

10.1 Reactivity

No reactivity hazard is expected.

10.2 Chemical stability

Stable at normal temperatures and pressure.

10.3 Possibility of hazardous reactions

Will not polymerize.

10.4 Conditions to avoid

Avoid heat, flames, sparks and other sources of ignition. Avoid contact with incompatible materials. Avoid direct sunlight. Exposure to light.

10.5 Incompatible materials

None known

10.6 Hazardous decomposition products

carbon monoxide, carbon dioxide.

SECTION 11: Toxicological information

11.1 Information on toxicological effects

Component Analysis - LD50/LC50

The components of this material have been reviewed in various sources and the following selected endpoints are published:

Ferric oxide black (1317-61-9)

Oral LD50 Rat >10000 mg/kg

Silica, amorphous (7631-86-9)

Oral LD50 Rat >5000 mg/kg

Dermal LD50 Rabbit >2000 mg/kg

Inhalation LC50 Rat >2.2 mg/L 1 h

Irritation/Corrosivity Data

May cause mechanical irritation.

Respiratory Sensitization

No data available.

Dermal Sensitization

No data available.

Germ Cell Mutagenicity

No data available.

Component Carcinogenicity

Ferric oxide black	1317-61-9
DFG:	Category 3B (could be carcinogenic for man)
Silica, amorphous	7631-86-9
IARC:	Monograph 68 [1997]; Supplement 7 [1987] (Group 3 (not classifiable))

Reproductive toxicity

No data available.

Specific Target Organ Toxicity - Single Exposure

No data available.

Specific Target Organ Toxicity - Repeated Exposure

No data available.

Aspiration hazard

No data available.

SECTION 12: Ecological information

12.1 Toxicity

No information available for the product.

Component Analysis - Aquatic Toxicity

Silica, amorphous	7631-86-9
Fish:	LC50 96 h Brachydanio rerio 5000 mg/L [static]
Algae:	EC50 72 h Pseudokirchneriella subcapitata 440 mg/L IUCLID
Invertebrate:	EC50 48 h Ceriodaphnia dubia 7600 mg/L IUCLID

12.2 Persistence and degradability

No information available for the product.

12.3 Bioaccumulative potential

No information available for the product.

Bioconcentration factor (BCF)

No information available for the product.

12.5 Results of PBT and vPvB assessment**EU - Interim Strategy for Management of PBT and vPvB Substances**



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No components of this material are listed.

12.6 Other adverse effects

No additional information is available.

SECTION 13: Disposal considerations

13.1 Waste treatment methods

Dispose in accordance with all applicable regulations.

SECTION 14: Transport information

Component Marine Pollutants (IMDG)

Not regulated as dangerous goods.

		ADR	RID	ICAO	IATA	ADN	IMDG
14.1	UN Number	Not Regulated	Not Regulated	Not Regulated	Not Regulated	Not Regulated	Not Regulated

International Bulk Chemical Code

This material does not contain any chemicals required by the IBC Code to be identified as dangerous chemicals in bulk.

SECTION 15: Regulatory information

15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture

EU - REACH (1907/2006) - Annex XIV List of Substances Subject to Authorization

No components of this material are listed.

EU - REACH (1907/2006) - Article 59(1) Candidate List of Substances Subject to Authorization

No components of this material are listed.

EU - REACH (1907/2006) - Annex XVII Restrictions of Certain Dangerous Substances, Mixtures and Articles

No components of this material are listed.

EU - Biocides (1451/2007) - Existing Active Substance

Silica, amorphous	7631-86-9
	Present

Germany Regulations

Germany Water Classification

Ferric oxide black (1317-61-9)

ID Number 751 , not considered hazardous to water

Polymer (Proprietary)

ID Number 766 , not considered hazardous to water

Silica, amorphous (7631-86-9)



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ID Number 849 , not considered hazardous to water

Denmark Regulations

No components of this material are listed.

Component Analysis - Inventory

Polyester Polyurethane Resin (Proprietary)

US	CA	EU	AU	PH	JP - ENCS	JP - ISHL	KR - KECI/KECL	KR - TCCA	CN	NZ	MX
No	No	No	No	No	Yes	No	No	No	Yes	No	No

Ferric oxide black (1317-61-9)

US	CA	EU	AU	PH	JP - ENCS	JP - ISHL	KR - KECI/KECL	KR - TCCA	CN	NZ	MX
Yes	DSL	EIN	Yes	Yes	Yes	No	Yes	No	Yes	Yes	Yes

Polymer (Proprietary)

US	CA	EU	AU	PH	JP - ENCS	JP - ISHL	KR - KECI/KECL	KR - TCCA	CN	NZ	MX
Yes	DSL	No	Yes	Yes	Yes	No	Yes	No	Yes	Yes	Yes

Silica, amorphous (7631-86-9)

US	CA	EU	AU	PH	JP - ENCS	JP - ISHL	KR - KECI/KECL	KR - TCCA	CN	NZ	MX
Yes	DSL	EIN	Yes	Yes	Yes	No	Yes	No	Yes	Yes	Yes

SECTION 16: Other information

16.1 Indication of changes

New SDS: 30/03/2015

Emergency Contact Info Update: 2020-09-22

16.2 Key / Legend

ACGIH - American Conference of Governmental Industrial Hygienists; ADR - European Road Transport; AU - Australia; BOD - Biochemical Oxygen Demand; C - Celsius; CA - Canada; CAS - Chemical Abstracts Service; CERCLA - Comprehensive Environmental Response, Compensation, and Liability Act; CLP - Classification, Labelling, and Packaging; CN - China; CPR - Controlled Products Regulations; DFG - Deutsche Forschungsgemeinschaft; DOT - Department of Transportation; DSD - Dangerous Substance Directive; DSL - Domestic Substances List; EEC - European Economic Community; EINECS - European Inventory of Existing Commercial Chemical Substances; EPA - Environmental Protection Agency; EU - European Union; F - Fahrenheit; IARC - International Agency for Research on Cancer; IATA - International Air Transport Association; ICAO - International Civil



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Aviation Organization; IDL - Ingredient Disclosure List; IDLH - Immediately Dangerous to Life and Health; IMDG - International Maritime Dangerous Goods; JP - Japan; Kow - Octanol/water partition coefficient; KR - Korea; LEL - Lower Explosive Limit; LLV - Level Limit Value; LOLI - List Of Lists™ - ChemADVISOR's Regulatory Database; MAK - Maximum Concentration Value in the Workplace; MEL - Maximum Exposure Limits; NFPA - National Fire Protection Agency; NIOSH - National Institute for Occupational Safety and Health; NJTSR - New Jersey Trade Secret Registry; NTP - National Toxicology Program; NZ - New Zealand; OSHA - Occupational Safety and Health Administration; PH - Philippines; RCRA - Resource Conservation and Recovery Act; REACH- Registration, Evaluation, Authorisation, and restriction of Chemicals; RID - European Rail Transport; SARA - Superfund Amendments and Reauthorization Act; STEL - Short-term Exposure Limit; TDG - Transportation of Dangerous Goods; TSCA - Toxic Substances Control Act; TWA - Time Weighted Average; UEL - Upper Explosive Limit; US - United States

16.3 Key literature references and sources for data

Available upon request.

16.4 Methods Used for Classification of Mixture According to Regulation (EC) No 1272/2008

Available upon request.

16.5 Relevant R-, H- and EUH-phrases (Number and full text)

None needed according to classification criteria

16.6 Training advice

Read the Safety Data Sheet before handling product.

16.7 Further Information

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