

Safety Data Sheet
acc. to OSHA HCS


Printing date 10/04/2018

Reviewed on 10/09/2017

1 Identification of the Substance/Mixture and of the Company/Undertaking

- **Product identifier**
- **Trade name:** SecureRITE™ MICR Toner for use in HP® M506
- **Article number:** HM506-MICR
- **Application of the substance / the mixture** Printing inks
- **Details of the supplier of the safety data sheet**
- **Manufacturer/Supplier:**
Static Control Components Inc.
P.O. Box 152
Sanford, North Carolina, 27331
info@scc-inc.com
- **Information department:** Product Safety Department
- **Emergency telephone number:**
During Normal Operating Hours: 919-774-3808
Emergency Telephone Number: 1-919-770-7984 or 1-919-770-6019

2 Hazards Identification

- **Classification of the substance or mixture**
Combustible Dust May form combustible dust concentrations in air.
- **Label elements**
- **GHS label elements** The product is classified and labeled according to the Globally Harmonized System (GHS).
- **Hazard pictograms** None required
- **Signal word** Warning
- **Hazard statements**
May form combustible dust concentrations in air.
- **Classification system:**
- **NFPA ratings (scale 0 - 4)**
 Health = 1
Fire = 1
Reactivity = 0
- **HMIS-ratings (scale 0 - 4)**

HEALTH	1	Health = 1
FIRE	1	Fire = 1
REACTIVITY	0	Reactivity = 0
- **Other hazards**
- **Results of PBT and vPvB assessment**
- **PBT:** Not applicable.
- **vPvB:** Not applicable.

3 Composition/Information on Ingredients

- **Chemical characterization:** Mixtures
- **Description:** Resin mixture

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- **Dangerous components:** None

- **Non-hazardous components**

	Polyester Polyurethane Resin	>50-≤100%
1317-61-9	triiron tetraoxide	>25-≤50%
	Polymer	>2.5-≤10%
7631-86-9	silicon dioxide, chemically prepared	≤2.5%

4 First Aid Measures

- **Description of first aid measures**
- **General information:** No special measures required.
- **After inhalation:** Supply fresh air; consult doctor in case of complaints.
- **After skin contact:**
Immediately wash with water and soap and rinse thoroughly.
Generally the product does not irritate the skin.
- **After eye contact:** Rinse opened eye for several minutes under running water. If symptoms persist, consult a doctor.
- **After swallowing:** Drink copious amounts of water and provide fresh air. Immediately call a doctor.
- **Information for doctor:**
- **Most important symptoms and effects, both acute and delayed** No further relevant information available.
- **Indication of any immediate medical attention and special treatment needed**
No further relevant information available.

5 Firefighting Measures

- **Extinguishing media**
- **Suitable extinguishing agents:** Use fire fighting measures that suit the environment.
- **For safety reasons unsuitable extinguishing agents:** No Information Available
- **Special hazards arising from the substance or mixture**
Like most finely divided organic powders , toner dust may form an explosive mixture in air.
- **Advice for firefighters**
- **Protective equipment:** Wear self-contained respiratory protective device.

6 Accidental Release Measures

- **Personal precautions, protective equipment and emergency procedures**
Wear protective equipment. Keep unprotected persons away.
- **Environmental precautions:** Do not allow to enter sewers/ surface or ground water.
- **Methods and material for containment and cleaning up:**
Vacuum or sweep the material into a sealed container. If a vacuum is used it must be dust explosion-proof. Dispose of in compliance with national, state, regional or provincial regulations.
- **Reference to other sections**
See Section 7 for information on safe handling.
See Section 8 for information on personal protection equipment.
See Section 13 for disposal information.

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· Protective Action Criteria for Chemicals
· PAC-1:

1317-61-9	triiron tetraoxide	21 mg/m ³
7631-86-9	silicon dioxide, chemically prepared	18 mg/m ³

· PAC-2:

1317-61-9	triiron tetraoxide	230 mg/m ³
7631-86-9	silicon dioxide, chemically prepared	740 mg/m ³

· PAC-3:

1317-61-9	triiron tetraoxide	1,400 mg/m ³
7631-86-9	silicon dioxide, chemically prepared	4,500 mg/m ³

7 Handling and Storage

· Handling:
· Precautions for safe handling

- No special measures required.
- Store in cool, dry place in tightly closed receptacles.
- Keep away from heat and direct sunlight.
- No special precautions are necessary if used correctly.
- Use only in well ventilated areas.

· Information about protection against explosions and fires: Keep ignition sources away - Do not smoke.

· Conditions for safe storage, including any incompatibilities
· Storage:
· Requirements to be met by storerooms and receptacles:

- Store in a cool location.
- Store only in the original receptacle.

· Information about storage in one common storage facility:

- Do not store together with oxidizing and acidic materials as well as heavy-metal compounds.

· Further information about storage conditions:

- Store in cool, dry conditions in well sealed receptacles.
- Protect from heat and direct sunlight.
- Protect from humidity and water.

· Specific end use(s) No further relevant information available.

8 Exposure Controls/Personal Protection

· Additional information about design of technical systems: No further data; see item 7.

· Control parameters
· Components with limit values that require monitoring at the workplace:

- The product does not contain any relevant quantities of materials with critical values that have to be monitored at the workplace.

· Additional Occupational Exposure Limit Values for possible hazards during processing:

USA OSHA (TWA/PEL): 15 mg/m³ (Total Dust), 5 mg/m³ (Respirable Fraction)

ACGIH (TWA/TLV): 10 mg/m³ (Inhalable Particulate), 3 mg/m³ (Respirable Particulate)

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 Amorphous Silica: USA OSHA (TWA/PEL): 20mppcf 80 mg/m³, ACGIH (TWA/TLV): 10 mg/m³

 TRGS 900 (Luftgrenzwert): 10 mg/m³ (Einatembare partikel)). 3 mg/m³ (Alveolengängige fraktion)

 UK WEL: 10 mg/m³ (Respirable Dust) 5 mg/m³ (Inhalible Dust)

 · **Additional information:** The lists that were valid during the creation were used as basis.

 · **Exposure controls**

 · **Personal protective equipment:**

 · **General protective and hygienic measures:**

Wash hands before breaks and at the end of work.

Do not inhale dust / smoke / mist.

 · **Protection of hands:**

Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation

 · **Material of gloves**

The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer.

 · **Penetration time of glove material**

The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed.

 · **Eye protection:** Safety glasses

9 Physical and Chemical Properties

 · **Information on basic physical and chemical properties**

 · **General Information**

 · **Appearance:**
Form: Powder

Color: Black

 · **Odor:** Light

 · **Odor threshold:** Not determined.

 · **pH-value:** Not applicable.

 · **Change in condition**
Melting point/Melting range: Undetermined.

Boiling point/Boiling range: Undetermined.

 · **Flash point:** Not applicable.

 · **Flammability (solid, gaseous):** Not determined.

 · **Decomposition temperature:** Not determined.

 · **Auto igniting:** Product is not selfigniting.

 · **Danger of explosion:** Product does not present an explosion hazard in its original state.

 · **Explosion limits:**
Lower: Not determined.

Upper: Not determined.

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· Vapor pressure:	Not applicable.
· Density at 20 °C (68 °F):	1.3 g/cm ³ (10.8485 lbs/gal) SG: 1.3-1.8
· Relative density	Not determined.
· Vapor density	Not applicable.
· Evaporation rate	Not applicable.
· Solubility in / Miscibility with Water:	Insoluble.
· Partition coefficient (n-octanol/water):	Not determined.
· Viscosity:	
Dynamic:	Not applicable.
Kinematic:	Not applicable.
· Solvent content:	
VOC content:	0.00 % 0.0 g/l / 0.00 lb/gl
Solids content:	100.0 %
· Other information	No further relevant information available.

10 Stability and Reactivity

- **Reactivity** Non reactive.
- **Chemical stability**
- **Thermal decomposition / conditions to be avoided:** No decomposition if used according to specifications.
- **Possibility of hazardous reactions** No dangerous reactions known.
- **Conditions to avoid** No further relevant information available.
- **Incompatible materials:** No further relevant information available.
- **Hazardous decomposition products:** No dangerous decomposition products known.

11 Toxicological Information

- **Information on toxicological effects**
- **Acute toxicity:**
- **Primary irritant effect:**
- **on the skin:** No toxic irritating effect, according to Directive 67/548/EEC or Directive 199/45/EC.
- **on the eye:** No toxic irritating effect, according to Directive 67/548/EEC or Directive 199/45/EC.
- **Sensitization:** No toxic sensitizing effects known, according to EU Directive 67/548/EEC or Directive 199/45/EC.
- **Other information (about experimental toxicology):**
Mutagenicity : Ames test Negative (According to the test result of similar composition.)
- **Additional toxicological information:**
The product is not subject to classification according to internally approved calculation methods for preparations:
When used and handled according to specifications, the product does not have any harmful effects according to our experience and the information provided to us.

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- **Carcinogenic categories**

- **IARC (International Agency for Research on Cancer)**

7631-86-9 | silicon dioxide, chemically prepared

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- **NTP (National Toxicology Program)**

None of the ingredients is listed.

- **OSHA-Ca (Occupational Safety & Health Administration)**

None of the ingredients is listed.

12 Ecological Information

- **Toxicity**

- **Aquatic toxicity:** No further relevant information available.

- **Persistence and degradability:** No further relevant information available.

- **Behavior in environmental systems:**

- **Bioaccumulative potential:** No further relevant information available.

- **Mobility in soil:** No further relevant information available.

- **Additional ecological information:**

- **General notes:**

Water hazard class 1 (Self-assessment): slightly hazardous for water

Do not allow undiluted product or large quantities of it to reach ground water, water course or sewage system.

- **Results of PBT and vPvB assessment**

- **PBT:** Not applicable.

- **vPvB:** Not applicable.

- **Other adverse effects:** No further relevant information available.

13 Disposal Considerations

- **Waste treatment methods**

- **Recommendation:** Smaller quantities can be disposed of with household waste.

- **Uncleaned packagings:**

- **Recommendation:** Disposal must be made according to official regulations.

14 Transport Information

- **UN-Number**

Not a regulated material under the United States DOT, IMDG, ADR, RID, or ICAO/IATA.

- **DOT, ADR, ADN, IMDG, IATA**

Void

- **UN proper shipping name**

Not a regulated material under the United States DOT, IMDG, ADR, RID, or ICAO/IATA

- **DOT, ADR, ADN, IMDG, IATA**

Void

- **Transport hazard class(es)**

Not a regulated material under the United States DOT, IMDG, ADR, RID, or ICAO/IATA.

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· DOT, ADR, ADN, IMDG, IATA	
· Class	Void
· Packing group	Not a regulated material under the United States DOT, IMDG, ADR, RID, or ICAO/IATA.
· DOT, ADR, IMDG, IATA	Void
· Environmental hazards:	Not applicable.
· Special precautions for user	Not applicable.
· Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code	Not applicable.
· UN "Model Regulation":	Void

15 Regulatory Information

- **Safety, health and environmental regulations/legislation specific for the substance or mixture**
No further relevant information available.

- Sara

- **Section 355 (extremely hazardous substances):**

None of the ingredients is listed.

- **Section 313 (Specific toxic chemical listings):**

None of the ingredients is listed.

- **TSCA (Toxic Substances Control Act):**

1317-61-9 triiron tetraoxide

7631-86-9 silicon dioxide, chemically prepared

- **Proposition 65**

- **Chemicals known to cause cancer:**

None of the ingredients is listed.

- **Chemicals known to cause reproductive toxicity for females:**

None of the ingredients is listed.

- **Chemicals known to cause reproductive toxicity for males:**

None of the ingredients is listed.

- **Chemicals known to cause developmental toxicity:**

None of the ingredients is listed.

- **Carcinogenic categories**

- **EPA (Environmental Protection Agency)**

None of the ingredients is listed.

- **TLV (Threshold Limit Value established by ACGIH)**

None of the ingredients is listed.

- **NIOSH-Ca (National Institute for Occupational Safety and Health)**

None of the ingredients is listed.

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- **GHS label elements** The product is classified and labeled according to the Globally Harmonized System (GHS).
- **Hazard pictograms** Void
- **Signal word** Warning
- **Hazard statements**
May form combustible dust concentrations in air.
- **Chemical safety assessment:** A Chemical Safety Assessment has not been carried out.

16 Other Information

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

- **Date of preparation / last revision** 10/04/2018 / -
- **Abbreviations and acronyms:**
ADR: Accord européen sur le transport des marchandises dangereuses par Route (European Agreement concerning the International Carriage of Dangerous Goods by Road)
IMDG: International Maritime Code for Dangerous Goods
DOT: US Department of Transportation
IATA: International Air Transport Association
ACGIH: American Conference of Governmental Industrial Hygienists
EINECS: European Inventory of Existing Commercial Chemical Substances
ELINCS: European List of Notified Chemical Substances
CAS: Chemical Abstracts Service (division of the American Chemical Society)
NFPA: National Fire Protection Association (USA)
HMIS: Hazardous Materials Identification System (USA)
VOC: Volatile Organic Compounds (USA, EU)
PBT: Persistent, Bioaccumulative and Toxic
vPvB: very Persistent and very Bioaccumulative
NIOSH: National Institute for Occupational Safety
OSHA: Occupational Safety & Health
TLV: Threshold Limit Value
PEL: Permissible Exposure Limit
REL: Recommended Exposure Limit
- *** Data compared to the previous version altered.**
No changes to the Material Safety Data Sheet, all sections are current as the date of print seen above describes.