

**Safety Data Sheet**  
acc. to OSHA HCS



Printing date 02/19/2021

Reviewed on 02/18/2021

**1 Identification**

- **Product identifier**
- **Trade name:** Non OEM Remanufactured Replacement Cartridge for Ricoh®841851
- **Article number:** 002-09-R41851
- **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@sc-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 Hazard(s) 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** Void
- **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:** Void

- **Non-hazardous components**

	Polyester Resin	>50-≤100%
1103-38-4	Pigment, PR-258 Barium Red	0-≤25%
	Charge Control Agent	0-≤25%
	WAX	0-≤25%
7631-86-9	silicon dioxide, chemically prepared	0-≤10%

### 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 Fire-fighting 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:**

7631-86-9	silicon dioxide, chemically prepared	18 mg/m <sup>3</sup>
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**· PAC-2:**

7631-86-9	silicon dioxide, chemically prepared	740 mg/m <sup>3</sup>
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**· PAC-3:**

7631-86-9	silicon dioxide, chemically prepared	4,500 mg/m <sup>3</sup>
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### 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/m<sup>3</sup> (Total Dust), 5 mg/m<sup>3</sup> (Respirable Fraction)

ACGIH (TWA/TLV): 10 mg/m<sup>3</sup> (Inhalable Particulate), 3 mg/m<sup>3</sup> (Respirable Particulate)

Amorphous Silica: USA OSHA (TWA/PEL): 20mppecf 80 mg/m<sup>3</sup>, ACGIH (TWA/TLV): 10 mg/m<sup>3</sup>

TRGS 900 (Luftgrenzwert): 10 mg/m<sup>3</sup> (Einatembare partikel)). 3 mg/m<sup>3</sup> (Alveolengängige fraktion)

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UK WEL: 10 mg/m<sup>3</sup> (Respirable Dust) 5 mg/m<sup>3</sup> (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

- **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:**

<b>Form:</b>	Powder
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<b>Color:</b>	Magenta toned
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- **Odor:** Light

- **Odor threshold:** Not determined.

- **pH-value:** Not applicable.

- **Change in condition**

<b>Melting point/Melting range:</b>	Undetermined.
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<b>Boiling point/Boiling range:</b>	2,230 °C (3630 °F)
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- **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:**

<b>Lower:</b>	Not determined.
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<b>Upper:</b>	Not determined.
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- **Vapor pressure:** Not applicable.

- **Density:** SG: 1.3-1.8

- **Relative density** Not determined.

- **Vapor density** Not applicable.

- **Evaporation rate** Not applicable.

- **Solubility in / Miscibility with**

<b>Water:</b>	Insoluble.
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|---|
| · <b>Partition coefficient (n-octanol/water):</b> Not determined.     |
| · <b>Viscosity:</b>   |
| <b>Dynamic:</b> Not applicable.                                       |
| <b>Kinematic:</b> Not applicable.                                     |
| · <b>Solvent content:</b>   |
| <b>VOC content:</b> 0.00 %  |
| <b>Solids content:</b> 100.0 %  |
| · <b>Other information</b> 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.

- **Carcinogenic categories**

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

7631-86-9   silicon dioxide, chemically prepared	3
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- **NTP (National Toxicology Program)**

None of the ingredients is listed.
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- **OSHA-Ca (Occupational Safety & Health Administration)**

None of the ingredients is listed.
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### 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

· <b>UN-Number</b>	Not a regulated material under the United States DOT, IMDG, ADR, RID, or ICAO/IATA.
· <b>DOT, ADR, IMDG, IATA</b>	Void
· <b>UN proper shipping name</b>	Not a regulated material under the United States DOT, IMDG, ADR, RID, or ICAO/IATA
· <b>DOT, ADR, IMDG, IATA</b>	Void
· <b>Transport hazard class(es)</b>	Not a regulated material under the United States DOT, IMDG, ADR, RID, or ICAO/IATA.
· <b>DOT, ADR, ADN, IMDG, IATA</b>	
· <b>Class</b>	Void
· <b>Packing group</b>	Not a regulated material under the United States DOT, IMDG, ADR, RID, or ICAO/IATA.
· <b>DOT, ADR, IMDG, IATA</b>	Void
· <b>Environmental hazards:</b>	Not applicable.
· <b>Special precautions for user</b>	Not applicable.

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US

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 · **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):**

1103-38-4	Pigment, PR-258 Barium Red	ACTIVE
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7631-86-9	silicon dioxide, chemically prepared	ACTIVE
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 · **Hazardous Air Pollutants**

None of the ingredients is listed.

 · **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.

 · **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.

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· **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** 02/19/2021 / -· **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 &amp; 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.