

Safety Data Sheet
acc. to OSHA HCS

Printing date 02/24/2021

Reviewed on 02/24/2021

1 Identification

- **Product identifier**
- **Trade name:** Non OEM Remanufactured Replacement Cartridge for Konica Minolta® TN324 (Magenta)
- **Article number:** 002-13-R324M
- **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 |
| FIRE | 1 |
| REACTIVITY | 0 |

 Health = 1
Fire = 1
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

(Contd. on page 2)

Safety Data Sheet

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Reviewed on 02/24/2021

Trade name: Non OEM Remanufactured Replacement Cartridge for Konica Minolta® TN324 (Magenta)

(Contd. of page 1)

· **Dangerous components:** Void

· **Non-hazardous components**

| | | |
|-----------|--------------------------------------|-----------|
| | Styrene Acrylic Resin | >50-≤100% |
| 7631-86-9 | silicon dioxide, chemically prepared | 0-≤10% |
| | Wax | 0-≤10% |
| | Pigment | 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.

(Contd. on page 3)

Safety Data Sheet
acc. to OSHA HCS

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Reviewed on 02/24/2021

Trade name: Non OEM Remanufactured Replacement Cartridge for Konica Minolta® TN324 (Magenta)

(Contd. of page 2)

· Protective Action Criteria for Chemicals**· PAC-1:**

| | | |
|-----------|--------------------------------------|----------------------|
| 7631-86-9 | silicon dioxide, chemically prepared | 18 mg/m ³ |
|-----------|--------------------------------------|----------------------|

· PAC-2:

| | | |
|-----------|--------------------------------------|-----------------------|
| 7631-86-9 | silicon dioxide, chemically prepared | 740 mg/m ³ |
|-----------|--------------------------------------|-----------------------|

· PAC-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)

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)

(Contd. on page 4)

Safety Data Sheet

acc. to OSHA HCS

Printing date 02/24/2021

Reviewed on 02/24/2021

Trade name: Non OEM Remanufactured Replacement Cartridge for Konica Minolta® TN324 (Magenta)

(Contd. of page 3)

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

- **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 |
|--------------|--------|

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|---------------|---------------|
| Color: | Magenta toned |
|---------------|---------------|

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|--------------|-------|
| Odor: | Light |
|--------------|-------|

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|------------------------|-----------------|
| Odor threshold: | Not determined. |
|------------------------|-----------------|

| | |
|------------------|-----------------|
| pH-value: | Not applicable. |
|------------------|-----------------|

- **Change in condition**

| | |
|-------------------------------------|---------------|
| Melting point/Melting range: | Undetermined. |
|-------------------------------------|---------------|

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|-------------------------------------|---------------|
| Boiling point/Boiling range: | Undetermined. |
|-------------------------------------|---------------|

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|---------------------|-----------------|
| Flash point: | Not applicable. |
|---------------------|-----------------|

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|---------------------------------------|-----------------|
| Flammability (solid, gaseous): | Not determined. |
|---------------------------------------|-----------------|

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|-----------------------------------|-----------------|
| Decomposition temperature: | Not determined. |
|-----------------------------------|-----------------|

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|-----------------------|------------------------------|
| Auto igniting: | Product is not selfigniting. |
|-----------------------|------------------------------|

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|-----------------------------|---|
| Danger of explosion: | Product does not present an explosion hazard in its original state. |
|-----------------------------|---|

- **Explosion limits:**

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|---------------|-----------------|
| Lower: | Not determined. |
|---------------|-----------------|

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|---------------|-----------------|
| Upper: | Not determined. |
|---------------|-----------------|

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|------------------------|-----------------|
| Vapor pressure: | Not applicable. |
|------------------------|-----------------|

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|-----------------|-------------|
| Density: | SG: 1.3-1.8 |
|-----------------|-------------|

| | |
|-------------------------|-----------------|
| Relative density | Not determined. |
|-------------------------|-----------------|

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|----------------------|-----------------|
| Vapor density | Not applicable. |
|----------------------|-----------------|

| | |
|-------------------------|-----------------|
| Evaporation rate | Not applicable. |
|-------------------------|-----------------|

- **Solubility in / Miscibility with**

| | |
|---------------|------------|
| Water: | Insoluble. |
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(Contd. on page 5)

Safety Data Sheet

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Printing date 02/24/2021

Reviewed on 02/24/2021

Trade name: Non OEM Remanufactured Replacement Cartridge for Konica Minolta® TN324 (Magenta)

(Contd. of page 4)

- | | |
|---|--|
| · Partition coefficient (n-octanol/water): | Not determined. |
| · Viscosity: | |
| Dynamic: | Not applicable. |
| Kinematic: | Not applicable. |
| · Solvent content: | |
| VOC content: | 0.00 % |
| 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.

- **Carcinogenic categories**

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

7631-86-9 | silicon dioxide, chemically prepared

3

- **NTP (National Toxicology Program)**

None of the ingredients is listed.

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

None of the ingredients is listed.

(Contd. on page 6)

Safety Data Sheet

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Trade name: Non OEM Remanufactured Replacement Cartridge for Konica Minolta® TN324 (Magenta)

(Contd. of page 5)

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, IMDG, IATA | Void |
| · UN proper shipping name | Not a regulated material under the United States DOT, IMDG, ADR, RID, or ICAO/IATA |
| · DOT, ADR, IMDG, IATA | Void |
| · Transport hazard class(es) | Not a regulated material under the United States DOT, IMDG, ADR, RID, or ICAO/IATA. |
| · 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. |

(Contd. on page 7)

US

Safety Data Sheet

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Reviewed on 02/24/2021

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|---|
| Trade name: Non OEM Remanufactured Replacement Cartridge for Konica Minolta® TN324 (Magenta) |
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(Contd. of page 6)

- | | |
|--|-----------------|
| · 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):**

| | |
|-----------|--------------------------------------|
| 7631-86-9 | silicon dioxide, chemically prepared |
|-----------|--------------------------------------|

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|--------|
| ACTIVE |
|--------|

- **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.

(Contd. on page 8)

Safety Data Sheet
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Trade name: Non OEM Remanufactured Replacement Cartridge for Konica Minolta® TN324 (Magenta)

(Contd. of page 7)

· **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** 02/24/2021 / -· **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 & 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.