

Safety Data Sheet
acc. to OSHA HCS

Printing date 05/20/2020

Reviewed on 09/26/2017

1 Identification

- **Product identifier**
- **Trade name:** Elevate Imaging Remanufactured Replacement Cartridge for HP® CF320A Black
- **Article number:** AHWF3201B0RC
- **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

acc. to OSHA HCS

Printing date 05/20/2020

Reviewed on 09/26/2017

Trade name: Elevate Imaging Remanufactured Replacement Cartridge for HP® CF320A Black

(Contd. of page 1)

· Dangerous components:

1333-86-4	Carbon black (bound)	>2.5-≤10%
-----------	----------------------	-----------

· Non-hazardous components

	Styrene Acrylate Copolymer	>50-≤100%
--	----------------------------	-----------

	Wax	>2.5-≤10%
--	-----	-----------

7631-86-9	silicon dioxide, chemically prepared	>2.5-≤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

Printing date 05/20/2020

Reviewed on 09/26/2017

Trade name: Elevate Imaging Remanufactured Replacement Cartridge for HP® CF320A Black

(Contd. of page 2)

· Protective Action Criteria for Chemicals

· PAC-1:

1333-86-4	Carbon black (bound)	9 mg/m ³
7631-86-9	silicon dioxide, chemically prepared	18 mg/m ³

· PAC-2:

1333-86-4	Carbon black (bound)	99 mg/m ³
7631-86-9	silicon dioxide, chemically prepared	740 mg/m ³

· PAC-3:

1333-86-4	Carbon black (bound)	590 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:

1333-86-4 Carbon black (bound)	
PEL	Long-term value: 3.5 mg/m ³

(Contd. on page 4)

Safety Data Sheet

acc. to OSHA HCS

Printing date 05/20/2020

Reviewed on 09/26/2017

Trade name: Elevate Imaging Remanufactured Replacement Cartridge for HP® CF320A Black

(Contd. of page 3)

REL	Long-term value: 3.5* mg/m ³ *0.1 in presence of PAHs; See Pocket Guide Apps.A+C
TLV	Long-term value: 3* mg/m ³ *inhalable fraction

· **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)

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

Color: Black

· **Odor:** Characteristic

· **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.

(Contd. on page 5)

Safety Data Sheet

acc. to OSHA HCS

Printing date 05/20/2020

Reviewed on 09/26/2017

Trade name: Elevate Imaging Remanufactured Replacement Cartridge for HP® CF320A Black

(Contd. of page 4)

· Danger of explosion:	Product does not present an explosion hazard in its original state.
· Explosion limits:	
Lower:	Not determined.
Upper:	Not determined.
· 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 %
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.)

(Contd. on page 6)

US

Safety Data Sheet

acc. to OSHA HCS

Printing date 05/20/2020

Reviewed on 09/26/2017

Trade name: Elevate Imaging Remanufactured Replacement Cartridge for HP® CF320A Black

(Contd. of page 5)

· **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)**

1333-86-4	Carbon black (bound)	2B
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.

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

(Contd. on page 7)

Safety Data Sheet

acc. to OSHA HCS

Printing date 05/20/2020

Reviewed on 09/26/2017

Trade name: Elevate Imaging Remanufactured Replacement Cartridge for HP® CF320A Black

(Contd. of page 6)

· 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.
· 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):**

1333-86-4	Carbon black (bound)	ACTIVE
7631-86-9	silicon dioxide, chemically prepared	ACTIVE

· **Hazardous Air Pollutants**

None of the ingredients is listed.

· **Proposition 65**

· **Chemicals known to cause cancer:**

1333-86-4 Carbon black (bound)

· **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.

(Contd. on page 8)

Safety Data Sheet

acc. to OSHA HCS

Printing date 05/20/2020

Reviewed on 09/26/2017

Trade name: Elevate Imaging Remanufactured Replacement Cartridge for HP® CF320A Black
--

(Contd. of page 7)

- **Carcinogenic categories**

- **EPA (Environmental Protection Agency)**

None of the ingredients is listed.

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

1333-86-4 | Carbon black (bound)

A4

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

1333-86-4 | Carbon black (bound)

- **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** 05/20/2020 / -

- **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.