

Safety Data Sheet

according to Regulation (EC) No 1907/2006 (REACH)

SECTION 1: Identification of the mixture and of the company

1.1 Product identifier:

Article description: Toner cartridge

Group number: 1243,0003; 1243,HC03; 1244,0003

1.2 Relevant identified uses of the mixture and uses advised against

This product is a toner used in printers and copiers.

Sector of Use

SU22 Professional uses: Public domain (administration, education, entertainment, services, craftsmen).

Application of the mixture

Laser printer

1.3 Details of the supplier of the safety data sheet:

Manufacturer:

Name: KMP PrintTechnik AG,

Address: Pfarrer-Findl-Strasse 40, D-84307 Eggenfelden, Germany

e-mail: info@kmp.com

1.4 EMERGENCY TELEPHONE NUMBER:

+49 8721 773-60 Mo - Th 8:00 am to 5:00 pm Fr 8:00 am to 2:00 pm

SECTION 2: Hazards identification

2.1 Classification of the mixture:

Classification according to Regulation (EC) No 1272/2008

The product is not classified as hazardous according to the CLP regulation.

Additional information:

Full text of H- and EUH-phrases: see SECTION 16.

2.2 Label elements

Labelling according to Regulation (EC) No 1272/2008

Hazard pictograms Void

Signal word Void

Hazard statements Void

Precautionary statements Void

2.3 Other hazards

Results of PBT and vPvB assessment

PBT: Not applicable.

vPvB: Not applicable

SECTION 3: Composition/information on ingredients

3.1 Mixtures

Description of the mixture:

Mixture

Hazardous ingredients

Compound	CAS-Nr.	INDEX Nr.	EG-Nr.	Concentration %	Classification according the the directive (EG) Nr. 1272 [CLP]
Silicium dioxide	7631-86-9	---	231-545-4	1 - 4	Not classified

Additional information:

For the wording of the listed risk phrases refer to section 16.

SECTION 4: First aid measures

4.1 Description of first aid measures

General information: Take off contaminated clothing.

After inhalation: Supply fresh air; consult doctor in case of symptoms.

After skin contact: Wash with plenty of soap and water. If skin irritation continues, consult a doctor.

After eye contact: Rinse opened eye for several minutes under running water. If symptoms persist, consult doctor.

After swallowing: Rinse out mouth and then drink plenty of water.
In case of persistent symptoms consult doctor.

4.2 Most important symptoms and effects, both acute and delayed

No further relevant information available.

4.3 Indication of any immediate medical attention and special treatment needed

Symptomatic treatment

SECTION 5: Firefighting measures

5.1 Extinguishing media:

Suitable extinguishing agents

Carbon dioxide (CO₂), extinguishing powder or water spray/fog. Fight larger fires with water spray/fog or alcohol-resistant foam.

For safety reasons unsuitable extinguishing agents: Water with a full water jet.

5.2 Special hazards arising from the substance or mixture

Carbon monoxide (CO) and Carbon dioxide (CO₂); Metal oxides

5.3 Advice for fire-fighters

Protective equipment: Wear self-contained breathing apparatus.

Additional information: Dispose of fire debris and contaminated fire fighting water in accordance with official regulations.

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

Ensure adequate ventilation. Avoid causing dust. Do not breathe dust. Avoid contact with skin and eyes.

6.2 Environmental precautions:

Do not allow the toner powder to reach sewage system or water bodies

6.3 Methods and material for containment and cleaning up

Ensure adequate ventilation. Collect mechanically. Dispose of the material collected according to regulations.

6.4 Reference to other sections

See Section 7 for information on safe handling and storage
See Section 8 for information on personal protection equipment.
See Section 13 for information on waste disposal.

SECTION 7: Handling and storage

7.1 Precautions for safe handling

Keep out of the reach of children. Avoid inhalation of dust and contact with skin and eyes. Use with adequate ventilation. Keep away from excessive heat, sparks, and open flames.

Information about protection against explosions and fires: Keep away from sources of ignition, don't smoke.

7.2 Conditions for safe storage, including any incompatibilities

Keep out of the reach of children. Keep tightly closed and dry. Store at room temperature. Store away from strong oxidizers.

Requirements to be met by storerooms and containers:

Observe all local and national regulations for storage of water polluting products.

Information about storage in one common storage facility: Not required.

Further information about storage conditions: Store in cool, dry conditions in well sealed containers.

7.3 Specific end uses

No further relevant information available.

SECTION 8: Exposure controls/personal protection

8.1 Control parameters

Components with critical values that require monitoring at the workplace:

7631-86-9 Siliciumdioxid	
AGW (Germany)	Long-term value: 4 E mg/m ³ DFG, 2, Y

8.2 Exposure controls

Personal protective equipment:

General protective and hygienic measures

Keep away from foodstuffs, beverages and food; Do not breathe dust; Avoid close or long term contact with the skin; Avoid contact with the eyes; Wash hands during breaks and at the end of the work.

Eye protection: not available

Breathing equipment: Not available

Protection of hands: Not available

Special protection equipment: not available.

Thermal danger: Not available

Hygienic measure: Wash hands before a break or at the end of the working day.

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

Appearance:

Form: Powder

Colour: cyan

Smell: odourless

Odour threshold: not determined

	Wert
pH	not determined
Melting point/range	not determined
Boiling point/range	not determined
Flash point	not applicable
Evaporation rate	not determined
Flammability (solid, gas)	not classified as flammable solid
Critical values for explosion:	
Upper explosive limits	0,0 Vol %
Lower explosive limits	0,0 Vol %
Vapour pressure	not determined
Vapour density	not determined
Relative density	1,1 g/cm ³
Solubility(ies)	insoluble
Partition coefficient: n-octanol/water	not determined
Auto-ignition temperature	not determined
Decomposition temperature	not determined
Viscosity	
Viscosity, dynamic	not determined
Viscosity, cinematic	not determined
Explosive properties	The product is not explosive
VOC (EU)	0,00%
Solid content	100%

9.2 Other information:

No further relevant information available.

SECTION 10: Stability and reactivity

10.1 Reactivity No further relevant information available.

10.2 Chemical stability: Thermal decomposition / conditions to be avoided: No decomposition if used according to specifications.

10.3 Possibility of hazardous reactions: No dangerous reactions known.

10.4 Conditions to avoid: No further relevant information available.

10.5 Incompatible materials: Strong oxidizing agents

10.6 Hazardous decomposition products:
Carbon monoxide (CO) and Carbon dioxide (CO₂); Metal oxides.

SECTION 11: Toxicological information

11.1 Information on toxicological effects

Acute toxicity

The Toner was not tested; the reported values are derived from similar products.

Toner		
Oral	LD50	> 2500 mg/kg (Ratte)
1333-86-4 Black Carbon		
Oral	LD50	8000 mg/kg (Ratte)
7631-86-9 Silicon dioxide		
Oral	LD50	3160 mg/kg (Ratte)
Demal	LD50	>2000mg/kg (Kaninchen)

Primary irritant effect:

Skin corrosion/irritation

Dust particles may mechanically irritate the skin.

Serious eye damage/irritation

Dust particles may mechanically irritate the eye.

Respiratory or skin sensitisation

Based on available data, the classification criteria are not met.

CMR effects (carcinogenicity, mutagenicity and toxicity for reproduction)

Germcell mutagenicity Ames-Test Negativ

Carcinogenicity Based on available data, the classification criteria are not met.

Reproductive toxicity Based on available data, the classification criteria are not met.

STOT-single exposure Based on available data, the classification criteria are not met.

STOT-repeated exposure Based on available data, the classification criteria are not met.

Aspiration hazard Based on available data, the classification criteria are not met.

SECTION 12: Ecological information

- 12.1 Toxicity:**
Acquatic toxicity
No further relevant information available.
- 12.2 Persistence and degradability:** No further relevant information available.
- 12.3 Bioaccumulative potential:** No further relevant information available.
- 12.4 Mobility in soil:** No further relevant information available.
- 12.5 Results of PBT and vPvB assessment**
PBT: Not applicable.
vPvB: Not applicable.
- 12.6 Other adverse effects:** No further relevant information available.

SECTION 13: Disposal considerations

13.1 Waste treatment methods

Recommendation

Do not shred toner cartridge, unless dust-explosion prevention measures are taken. Finely dispersed particles may form explosive mixtures in air. Dispose of in compliance with federal, state and local regulations

SECTION 14: Transport information

- 14.1 UN-Number ADR, IMDG, IATA** Void
- 14.2 UN proper shipping name ADR, IMDG, IATA** Void
- 14.3 Transport hazard class(es) ADR, IMDG, IATA Class** Void
- 14.4 Packing group ADR, IMDG, IATA** Void
- 14.6 Special precautions for user** Not applicable.
- 14.7 Transport in bulk according to Annex II of Marpol and the IBC Code** Not applicable.
Transport/Additional information: Not dangerous according to the above specifications.

SECTION 15: Regulatory information

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

Directive 2012/18/EU

Does not apply.

National regulations

Water hazard class: the product is not dangerous for the waterlife.

15.2 Chemical Safety Assessment:

A Chemical Safety Assessment has not been carried out.

SECTION 16: Other information

These data are based on our present knowledge. However, they shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

H- Phrases

H251 Self-heat. 1, Self-Heating Substances and Mixtures, Hazard Category 1

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

IATA: International Air Transport Association

GHS: Globally Harmonised System of Classification and Labelling of Chemicals

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)

VOC: Volatile organics compounds (USA, EU)

LC50: Lethal concentration, 50 percent

LD50: Lethal dose, 50 percent

PBT: Persistent, Bioaccumulative and Toxic

vPvB: very Persistent and very Bioaccumulative

SVHC: Substance of Very High Concern

EC = European Community

WEL = Workplace Exposure Limit

DNEL: Derived No-Effect Level (REACH)

PNEC: Predicted No-Effect Concentration (REACH)

AF Overall assessment factor