

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: 0002,0000; 0002, Refill

1.2 Relevant identified uses of the substance or 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 substance/ 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 Directive 1999/45/EC [DPD]

This product is not classified as dangerous according to Directive 1999/45/EC and its amendments

Classification according to Regulation (EC) No 1272/2008/ EU 2015/830

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/ EU 2015/830

Hazard pictograms Void

Signal word Void

Hazard statements Void

Precautionary statements Void

2.3 Other hazards

Results of PBT and vPvB assessment

PBT: Not.

vPvB: Not applicable

Dust Explosion: May form explosive dust-air mixture if dispersed.

Irritation of respiratory tract: Slight irritation of respiratory tract may occur with exposure to large amount of toner dust.

Skin Irritation: Minimal skin irritation may occur.

Eye Irritation: Irritation may occur by mechanical abrasion.

SECTION 3: Composition/information on ingredients

3.1 Mixtures

Description of the mixture:

Mixture

Chemical Identity of the Substance	EC No.	CAS No.	Ranges of % by mass	Classification according to Directive 67/548/EEC	Classification according to Regulation (EC) No 1272/2008
				Risk Phrase*	Hazard Class / Statement*
None					

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.

Acute: Exposure to excessive amounts of dust may cause physical irritation to respiratory tract.

Delayed: Prolonged inhalation of excessive amounts of dust may damage lung.

4.3 Indication of any immediate medical attention and special treatment needed

Immediate medical attention may be required in an unlikely event of extreme inhalation, eye contact or unusual reaction due to physical idiosyncrasy of the person.

SECTION 5: Firefighting measures

5.1 Extinguishing media

Suitable extinguishing agents: Carbon dioxide, water, foam, dry chemical

For safety reasons unsuitable extinguishing agents: None known

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

This product is a toner cartridge used in electrophotographic printers and copiers.

SECTION 8: Exposure controls/personal protection

8.1 Control parameters

Components with critical values that require monitoring at the workplace:

General dust or particulate not otherwise classified.

EU OEL: Not established

Germany DFG MAK (8hr TWA): Inhalable fraction 4mg/m³

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: black

Smell: odourless

Odour threshold: not determined

	Value
pH	not determined
Melting point/range	not determined
Boiling point/range	not determined
Flash point	not determined
Evaporation rate	not determined
Flammability (solid, gas)	not classified as flammable solid
Critical values for explosion: Upper explosive limits	not determined

Lower explosive limits	not determined
Vapour pressure	not determined
Vapour density	not determined
Relative density	1,5 – 2,5 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

9.2 Other information:

No further relevant information available.

SECTION 10: Stability and reactivity

10.1 Reactivity: Stable

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

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)

Mutagenicity Ames-Test Negative (based on the results obtained on similar products).

Carcinogenicity Not available

Reproductive toxicity Not available

STOT-single exposure Not available.

STOT-repeated exposure Not available

Aspiration hazard Not available

SECTION 12: Ecological information

- 12.1 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, Dangerous substances listed in Annex I

None of the components in the mixture are listed in the Annex.

National regulations

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.

Important phrases

F highly flammable

N dangerous for the environment

R11 Highly flammable

R50/53 Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment

Abbreviations and acronyms:

ADR = European agreement on cross-border transportation of dangerous goods by road

CAS = Chemical abstract service

IARC = International agency for research on cancer.

IATA = International air transport association.

ATE = Acute Toxicity Estimate

CLP = Classification, Labelling and Packaging

Regulation [Regulation (EC) No. 1272/2008]

DNEL = Derived No Effect Level

EUH statement = CLP-specific Hazard statement

PNEC = Predicted No Effect Concentration

RRN = REACH Registration Number

DNEL: Derived No-Effect Level (REACH)

PNEC: Predicted No-Effect Concentration (REACH)

AF Overall assessment factor

EC50 concentration of a drug that gives half-maximal response

EC0 No effect concentration

LD50 Lethal dose, 50 percent