Safety Data Sheet

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

SDS Number:	**CK8536C-TA-UT-01-EN**	**Issue date:**	**29/08/2025**
Revision date:		**Effective date:**	**29/08/2025**
Version:	**01**	**Replace version:**	

SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1 Product identifier

Product name Cyan Toner for
9515ci, 8515ci, 7515ci

Consumable name CK-8536C

Product form Mixture

1.2 Relevant identified uses of the substance or mixture and uses advised against

Identified uses The image formation of our electrophotographic equipment.
Other uses are not recommended.

1.3 Details of the supplier of the safety data sheet

Manufacturer KYOCERA Document Solutions Inc.

Address 1-2-28 Tamatsukuri, Chuo-ku, Osaka 540-8585, Japan

Supplier TA Triumph-Adler GmbH

Address Deelbögenkamp 4c
22297 Hamburg
Germany

1.4 Emergency telephone number +49 (0) 40 / 528490
(This number is available only during office hours)

SECTION 2: Hazards identification

2.1 Classification of the substance or mixture

Classification according to Regulation (EC) No 1272/2008 (CLP)

Not classified as hazardous mixture.

2.2 Label elements

Labelling according to Regulation (EC) No 1272/2008 (CLP)

Not applicable.

2.3 Other hazards

Assessment of PBT/vPvB

No data available.

See section 4 and 11 for information on health effects and symptoms.
See section 9 for dust explosion information.

SECTION 3: Composition/information on ingredients

3.2 Mixtures

Chemical name	CAS No	Weight%	Classification (CLP)
Polyester resin	Confidential	70-80	None
Ferrite (Ferrite including manganese)	66402-68-4	5-10 (as Mn: <3)	None
Organic pigment	Confidential	3-8	None
Amorphous silica	7631-86-9	1-5	None
Aluminium compound	1344-28-1	< 1	None

Information of ingredients

(1) Substance, which present a health or environmental hazard within the meaning of CLP:

None.

(2) Substance, which are assigned Community workplace exposure limits:

None.

(3) Substance, which are PBT or vPvB in accordance with the criteria set out in Annex XIII of REACH:

None.

(4) Substance, which are included in the list established in accordance with Article 59(1) of REACH (SVHC):

None.

See section 16 for the full text of the H statements declared above.

SECTION 4: First aid measures

4.1 Description of first aid measures

Inhalation: Remove from exposure to fresh air and gargle with plenty of water. Consult a doctor in case of such symptoms as coughing.

Skin contact: Wash with soap and water.

Eye contact: Flush with water immediately and see a doctor if irritating.

Ingestion: Rinse out the mouth. Drink one or two glasses of water to dilute. Seek medical treatment if necessary.

4.2 Most important symptoms and effects, both acute and delayed

Potential health effects and symptoms

Inhalation: Prolonged inhalation of excessive dusts may cause lung damage. Use of this product as intended does not result in prolonged inhalation of excessive toner dusts.

4.2 **Skin contact:** Unlikely to cause skin irritation.

Eye contact: May cause transient eye irritation.

Ingestion: Use of this product as intended does not result in ingestion.

4.3 **Indication of any immediate medical attention and special treatment needed**

No additional information available.

SECTION 5: Firefighting measures

5.1 **Extinguishing media**

Suitable extinguishing media

Water spray, foam, powder, CO_2 or dry chemical

Unsuitable extinguishing media

None specified.

5.2 **Special hazards arising from the substance or mixture**

Hazardous combustion products: Carbon dioxide, Carbon monoxide

5.3 **Advice for firefighters**

Fire-fighting procedures

Pay attention not to blow away dust. Drain water off around and decrease the atmosphere temperature to extinguish the fire.

Protection equipment for firefighters

None specified.

SECTION 6: Accidental release measures

6.1 **Personal precautions, protective equipment and emergency procedures**

Avoid inhalation, ingestion, eye and skin contact in case of accidental release. Avoid formation of dust. Provide adequate ventilation.

6.2 **Environmental precautions**

Do not allow to enter into surface water or drains.

6.3 **Methods and material for containment and cleaning up**

Gather the released powder not to blow away and wipe up with a wet cloth.

6.4 **Reference to other sections**

See section 13 for disposal information.

SECTION 7: Handling and storage

7.1 Precautions for safe handling

Do not attempt to force open or destroy the toner container or unit.
See installation guide of this product.

7.2 Conditions for safe storage, including any incompatibilities

Keep the toner container or unit tightly closed and store in a cool, dry and dark place.
Keep away from fire. Keep out of the reach of children.

7.3 Specific end use(s)

No additional information available.

SECTION 8: Exposure controls/personal protection

8.1 Control parameters

(Reference data)

US ACGIH Threshold Limit Values (TWA)

Particles: 10 mg/m³ (Inhalable particles) 3 mg/m³ (Respirable particles)
Manganese inorganic compounds (Ferrite component):
0.1 mg/m³ (Inhalable fraction)
0.02 mg/m³ (Respirable fraction) (as Mn
Aluminium insoluble compound: 1 mg/m³ (Respirable fraction)

US OSHA PEL (TWA)

Particles: 15 mg/m³ (Total dust) 5 mg/m³ (Respirable fraction)
Manganese compounds (Ferrite component): 5 mg/m³ (Ceiling) (as Mn)
Amorphous silica: 80 mg/m³/%SiO_2

EU Occupational exposure limits: Directive (EC) 2000/39, (EC) 2006/15 and (EU) 2009/161

Not listed.

8.2 Exposure controls

Appropriate engineering controls

Special ventilator is not required under normal intended use.
Use in a well-ventilated area.

Personal protective equipment

Respiratory protection, eye protection, hand protection, skin and body protection are not required under normal intended use.

Environmental exposure controls

No additional information available.

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

Appearance	
Physical state	Solid (fine powder)
Colour	Cyan
Odour	Odourless
Melting point/freezing point [°C]	100-120 (Toner)
Boiling point or initial boiling point and boiling range	No data available.
Flammability	No data available.
Lower and upper explosion limit	No data available.
Flash point	No data available.
Auto-ignition temperature	No data available.
Decomposition temperature	No data available.
pH	No data available.
Kinematic viscosity	No data available.
Solubility	Almost insoluble in water.
Partition coefficient: n-octanol/water (log value)	No data available.
Vapour pressure	No data available.
Density and/or relative density [g/cm³]	1.2-1.4 (Toner)
Relative vapour density	Not applicable.
Particle characteristics [µm]	1-10 (Toner) 30-50 (Carrier)

9.2 Other information

Dust explosion properties

Dust explosion is improbable under normal intended use.
Experimental explosiveness of toner is classified into the same rank such kind of powder as flour, dry milk and resin powder according to the pressure rising speed.

SECTION 10: Stability and reactivity

10.1 Reactivity

No data available.

10.2 Chemical stability

This product is stable under normal conditions of use and storage.

10.3 Possibility of hazardous reactions

Hazardous reactions will not occur.

10.4 Conditions to avoid

None specified.

10.5 Incompatible materials

None specified.

10.6 Hazardous decomposition products

Hazardous decomposition products are not to be produced.

SECTION 11: Toxicological information

11.1 Information on hazard classes as defined in Regulation (EC) No 1272/2008

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

Acute toxicity

Oral (LD50)	> 2000 mg/kg (rat)* (Toner) > 2500 mg/kg (rat)** (Carrier)
Dermal (LD50)	No data available (Toner). No data available (Carrier).
Inhalation (LC50(4hr))	> 5.10 mg/l (rat)* (Toner)

Skin corrosion/irritation

Acute skin irritation	Non-irritant (rabbit)* (Toner) Non-irritant (rabbit)** (Carrier)

Serious eye damage/irritation

Acute eye irritation	Mild irritant (rabbit)* (Toner)

Respiratory or skin sensitisation

Skin sensitisation	Non-sensitising (mouse)* (Toner) Non-sensitising** (Carrier)

11.1 Germ cell mutagenicity

AMES-test is negative (Toner).
AMES-test is negative** (Carrier).
*(Based on test result of similar product)
**(Based on test result of constituent materials)

Information of ingredients:

No mutagen according to MAK, TRGS905 and (EC) No 1272/2008 Annex VI.

Carcinogenicity

Information of ingredients:

No carcinogen or potential carcinogen according to IARC, Japan Association on Industrial Health, ACGIH, EPA, OSHA, NTP, MAK, California Proposition 65, TRGS 905 and (EC) No 1272/2008 Annex VI.

Reproductive toxicity

Information of ingredients:

No reproductive toxicant according to MAK, California Proposition 65, TRGS 905 and (EC) No 1272/2008 Annex VI.

STOT-single exposure No data available.

STOT-repeated exposure No data available.

Aspiration hazard No data available.

Chronic effects

In a study in rats by chronic inhalation exposure to a typical toner, a mild to moderate degree of lung fibrosis was observed in 92% of the rats in the high concentration (16 mg/m³) exposure group, and a minimal to mild degree of fibrosis was noted in 22% of the animal in the middle (4mg/m³) exposure group (1). But no pulmonary change was reported in the lowest (1mg/m³) exposure group, the most relevant level to potential human exposures.

11.2 Information on other hazards

Endocrine disrupting properties No data available.

Other information No data available.

SECTION 12: Ecological information

12.1 Toxicity

No data available.

12.2 Persistence and degradability

No data available.

12.3 Bio accumulative potential

No data available.

12.4 Mobility in soil

No data available.

12.5 Results of PBT and vPvB assessment

No data available.

12.6 Endocrine disrupting properties

No data available.

12.7 Other adverse effects

No additional information available.

SECTION 13: Disposal considerations

13.1 Waste treatment methods

Do not attempt to incinerate the toner container or unit and the waste toner yourself.
Dangerous sparks may cause burn.
The toner/developer/ink contains synthetic polymer microparticles.
When disposing of this product/parts, avoid release of contents into the environment.
Dispose of contents(toner/developer/ink) in accordance with local/regional/national/ international regulations.

SECTION 14: Transport information

14.1 UN-number or ID number

None.

14.2 UN Proper shipping name

None.

14.3 Transport hazard class(es)

None.

14.4 Packing group

None.

14.5 Environmental hazards

None.

14.6 Special precautions for user

No additional information available.

14.7 Maritime transport in bulk according to IMO instruments

Not applicable.

SECTION 15: Regulatory information

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

EU-regulations

Regulation (EU) No 2024/590 (on substances that deplete the ozone layer, Annex I and II):

Not listed.

Regulation (EU) 2019/1021 (on persistent organic pollutants, Annex I as amended):

Not listed.

Regulation (EU) No 649/2012 (concerning the export and import of dangerous chemicals, Annex I and V as amended):

Not listed.

Regulation (EC) No 1907/2006 REACH Annex XVII as amended (Restrictions on use):

Not listed.

Regulation (EC) No 1907/2006 REACH Annex XIV as amended (Authorisations):

Not listed.

US-regulations

All ingredients in this product comply with order under TSCA.

Canada regulations

This product is not a WHMIS-controlled product, since we consider it as a manufactured article.

15.2 Chemical Safety Assessment

No data available.

SECTION 16: Other information

To the best of our knowledge, the information contained herein is accurate. However, we cannot assume any liability whatsoever for the accuracy or completeness of the information contained herein. The contents and format of this SDS are in accordance with Regulation (EC) No 1907/2006, Annex II as amended by Regulation (EU) 2020/878 with respect to SDSs.

Revision information:

Full text of H statements under sections 3: Not applicable.

Abbreviations and acronyms

ACGIH	American Conference of Governmental Industrial Hygienists 2016 TLVs and BEIs (Threshold Limit Values for Chemical Substances and Physical Agents and Biological Exposure Indices)
CAS	Chemical Abstracts Service
CLP	Regulation (EC) No 1272/2008 on classification, labelling and packaging of substances and mixtures
EPA	Environmental Protection Agency (Integrated Risk Information System) (US)
IARC	International Agency for Research on Cancer (IARC Monographs on the Evaluations of Carcinogenic Risks to Humans)
MAK	Maximale Arbeitsplatzkonzentration der Deutschen Forschungsgesellschaft (2011)
NTP	National Toxicology Program (Report on Carcinogens) (US)
OSHA	Occupational Safety and Health Administration (29 CFR Part 1910 Subpart Z)
PBT	Persistent, Bio accumulative and Toxic
PEL	Permissible Exposure Limits
Proposition 65	California, Safe Drinking Water and Toxic Enforcement Act of 1986
REACH	Regulation (EC) No 1907/2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals
STOT	Specific target organ toxicity
SVHC	Substances of Very High Concern
TRGS 905	Technische Regeln für Gefahrstoffe (Deutschland)
TSCA	Toxic Substances Control Act (US)
TWA	Time Weighted Average
UN	United Nations
vPvB	very Persistent and very Bio accumulative
WHMIS	Workplace Hazardous Materials Information System (Canada)

Key literature references and sources for data

(1) Pulmonary Response to Toner upon Chronic Inhalation Exposure in Rats, H. Muhle et al., Fundamental and Applied Toxicology 17.280-299 (1991) Lung Clearance and Retention of Toner, utilising a Tracer Technique, during Chronic Inhalation Exposure in Rats, B. Bellmann, Fundamental and Applied Toxicology 17.300-313 (1991)

(2) IARC Monograph on the Evaluation of the Carcinogenic Risk of Chemicals to Humans, Vol. 93

(3) NIOSH CURRENT INTELLIGENCE BULLETIN "Evaluation of Health Hazard and Recommendation for Occupational Exposure to Titanium Dioxide DRAFT"

(4) The contents are in accordance with Material Safety Data Sheet "CK8536C-TA-UT-01-EN"; 29/08/2025 of the KYOCERA Document Solutions Inc., 1-2-28 Tamatsukuri, Chuo-ku, Osaka 540-8585, Japan.

Safety Data Sheet

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

SDS Number:	**CK8536K-TA-UT-01-EN**	**Issue date:**	**29/08/2025**
Revision date:		**Effective date:**	**29/08/2025**
Version:	**01**	**Replace version:**	

SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1 Product identifier

Product name Black Toner for
9515ci, 8515ci, 7515ci

Consumable name CK-8536K

Product form Mixture

1.2 Relevant identified uses of the substance or mixture and uses advised against

Identified uses The image formation of our electrophotographic equipment.
Other uses are not recommended.

1.3 Details of the supplier of the safety data sheet

Manufacturer KYOCERA Document Solutions Inc.

Address 1-2-28 Tamatsukuri, Chuo-ku, Osaka 540-8585, Japan

Supplier TA Triumph-Adler GmbH

Address Deelbögenkamp 4c
22297 Hamburg
Germany

1.4 Emergency telephone number +49 (0) 40 / 528490
(This number is available only during office hours)

SECTION 2: Hazards identification

2.1 Classification of the substance or mixture

Classification according to Regulation (EC) No 1272/2008 (CLP)

Not classified as hazardous mixture.

2.2 Label elements

Labelling according to Regulation (EC) No 1272/2008 (CLP)

Not applicable.

2.3 Other hazards

Assessment of PBT/vPvB

No data available.

See section 4 and 11 for information on health effects and symptoms.
See section 9 for dust explosion information.

SECTION 3: Composition/information on ingredients

3.2 Mixtures

Chemical name	CAS No	Weight%	Classification (CLP)
Polyester resin	Confidential	70-80	None
Ferrite (Ferrite including manganese)	66402-68-4	5-10(as Mn:< 3)	None
Carbon black	1333-86-4	3-8	None
Amorphous silica	7631-86-9	1-5	None
Aluminium compound	1344-28-1	< 1	None

Information of ingredients

(1) Substance, which present a health or environmental hazard within the meaning of CLP:

None.

(2) Substance, which are assigned Community workplace exposure limits:

None.

(3) Substance, which are PBT or vPvB in accordance with the criteria set out in Annex XIII of REACH:

None.

(4) Substance, which are included in the list established in accordance with Article 59(1) of REACH (SVHC):

None.

See section 16 for the full text of the H statements declared above.

SECTION 4: First aid measures

4.1 Description of first aid measures

Inhalation: Remove from exposure to fresh air and gargle with plenty of water. Consult a doctor in case of such symptoms as coughing.

Skin contact: Wash with soap and water.

Eye contact: Flush with water immediately and see a doctor if irritating.

Ingestion: Rinse out the mouth. Drink one or two glasses of water to dilute. Seek medical treatment if necessary.

4.2 Most important symptoms and effects, both acute and delayed

Potential health effects and symptoms

Inhalation: Prolonged inhalation of excessive dusts may cause lung damage. Use of this product as intended does not result in prolonged inhalation of excessive toner dusts.

4.2 **Skin contact:** Unlikely to cause skin irritation.

Eye contact: May cause transient eye irritation.

Ingestion: Use of this product as intended does not result in ingestion.

4.3 **Indication of any immediate medical attention and special treatment needed**

No additional information available.

SECTION 5: Firefighting measures

5.1 **Extinguishing media**

Suitable extinguishing media

Water spray, foam, powder, CO_2 or dry chemical

Unsuitable extinguishing media

None specified.

5.2 **Special hazards arising from the substance or mixture**

Hazardous combustion products: Carbon dioxide, Carbon monoxide

5.3 **Advice for firefighters**

Fire-fighting procedures

Pay attention not to blow away dust. Drain water off around and decrease the atmosphere temperature to extinguish the fire.

Protection equipment for firefighters

None specified.

SECTION 6: Accidental release measures

6.1 **Personal precautions, protective equipment and emergency procedures**

Avoid inhalation, ingestion, eye and skin contact in case of accidental release. Avoid formation of dust. Provide adequate ventilation.

6.2 **Environmental precautions**

Do not allow to enter into surface water or drains.

6.3 **Methods and material for containment and cleaning up**

Gather the released powder not to blow away and wipe up with a wet cloth.

6.4 **Reference to other sections**

See section 13 for disposal information.

SECTION 7: Handling and storage

7.1 Precautions for safe handling

Do not attempt to force open or destroy the toner container or unit.
See installation guide of this product.

7.2 Conditions for safe storage, including any incompatibilities

Keep the toner container or unit tightly closed and store in a cool, dry and dark place.
Keep away from fire. Keep out of the reach of children.

7.3 Specific end use(s)

No additional information available.

SECTION 8: Exposure controls/personal protection

8.1 Control parameters

(Reference data)

US ACGIH Threshold Limit Values (TWA)

Particles: 10 mg/m³ (Inhalable particles) 3 mg/m³ (Respirable particles)
Carbon black: 3 mg/m³ (Inhalable fraction)
Manganese inorganic compounds (Ferrite component):
0.1 mg/m³ (Inhalable fraction)
0.02 mg/m³ (Respirable fraction) (as Mn)
Aluminium insoluble compound: 1 mg/m³ (Respirable fraction)

US OSHA PEL (TWA)

Particles: 15 mg/m³ (Total dust) 5 mg/m³ (Respirable fraction)
Carbon black: 3.5 mg/m³
Manganese compounds (Ferrite component): 5 mg/m³ (Ceiling) (as Mn)
Amorphous silica: 80 mg/m³/%SiO_2

EU Occupational exposure limits: Directive (EC) 2000/39, (EC) 2006/15 and (EU) 2009/161

Not listed.

8.2 Exposure controls

Appropriate engineering controls

Special ventilator is not required under normal intended use.
Use in a well-ventilated area.

Personal protective equipment

Respiratory protection, eye protection, hand protection, skin and body protection are not required under normal intended use.

Environmental exposure controls

No additional information available.

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

Appearance	
Physical state	Solid (fine powder)
Colour	Black
Odour	Odourless
Melting point/freezing point [°C]	100-120 (Toner)
Boiling point or initial boiling point and boiling range	No data available.
Flammability	No data available.
Lower and upper explosion limit	No data available.
Flash point	No data available.
Auto-ignition temperature	No data available.
Decomposition temperature	No data available.
pH	No data available.
Kinematic viscosity	No data available.
Solubility	Almost insoluble in water.
Partition coefficient: n-octanol/water (log value)	No data available.
Vapour pressure	No data available.
Density and/or relative density [g/cm³]	1.2-1.4 (Toner)
Relative vapour density	Not applicable.
Particle characteristics [µm]	1-10 (Toner) 30-50 (Carrier)

9.2 Other information

Dust explosion properties

Dust explosion is improbable under normal intended use.
Experimental explosiveness of toner is classified into the same rank such kind of powder as flour, dry milk and resin powder according to the pressure rising speed.

SECTION 10: Stability and reactivity

10.1 Reactivity

No data available.

10.2 Chemical stability

This product is stable under normal conditions of use and storage.

10.3 Possibility of hazardous reactions

Hazardous reactions will not occur.

10.4 Conditions to avoid

None specified.

10.5 Incompatible materials

None specified.

10.6 Hazardous decomposition products

Hazardous decomposition products are not to be produced.

SECTION 11: Toxicological information

11.1 Information on hazard classes as defined in Regulation (EC) No 1272/2008

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

Acute toxicity

Oral (LD50)	> 2000 mg/kg (rat)* (Toner) > 2500 mg/kg (rat)** (Carrier)
Dermal (LD50)	No data available (Toner). No data available (Carrier).
Inhalation (LC50(4hr))	> 5.09 mg/l (rat)* (Toner)

Skin corrosion/irritation

Acute skin irritation	Non-irritant (rabbit)* (Toner) Non-irritant (rabbit)** (Carrier)

Serious eye damage/irritation

Acute eye irritation	Mild irritant (rabbit)* (Toner)

Respiratory or skin sensitisation

Skin sensitisation	Non-sensitising (mouse)* (Toner) Non-sensitising** (Carrier)

11.1 Germ cell mutagenicity

AMES-test is negative (Toner).
AMES-test is negative** (Carrier).
*(Based on test result of similar product)
**(Based on test result of constituent materials)

Information of ingredients:

No mutagen according to MAK, TRGS905 and (EC) No 1272/2008 Annex VI.

Carcinogenicity

Information of ingredients:

No carcinogen or potential carcinogen (except carbon black) according to IARC, Japan Association on Industrial Health, ACGIH, EPA, OSHA, NTP, MAK, California Proposition 65, TRGS 905 and (EC) No 1272/2008 Annex VI.

The IARC reevaluated carbon black as a Group 2B carcinogen (possibly carcinogenic to humans) as the result of inhalation exposure test in rats. But, oral/skin test does not show carcinogenicity. (*2)
The evaluation of carbon black is based upon the development of lung tumours in rat receiving chronic inhalation exposures to free carbon black at level that induce particle overload of the lung.
The studies performed in animal models other than rats have not demonstrated an association between carbon black and lung tumours. Moreover, a two-years cancer bioassay using a typical toner preparation containing carbon black demonstrated no association between toner exposure and tumour development in rats. (*1)

Reproductive toxicity

Information of ingredients:

No reproductive toxicant according to MAK, California Proposition 65, TRGS 905 and (EC) No 1272/2008 Annex VI.

STOT-single exposure No data available.

STOT-repeated exposure No data available.

Aspiration hazard No data available.

Chronic effects

In a study in rats by chronic inhalation exposure to a typical toner, a mild to moderate degree of lung fibrosis was observed in 92% of the rats in the high concentration (16 mg/m³) exposure group, and a minimal to mild degree of fibrosis was noted in 22% of the animal in the middle (4mg/m³) exposure group (1). But no pulmonary change was reported in the lowest (1mg/m³) exposure group, the most relevant level to potential human exposures.

11.2 Information on other hazards

Endocrine disrupting properties No data available.

Other information No data available.

SECTION 12: Ecological information

12.1 Toxicity

No data available.

12.2 Persistence and degradability

No data available.

12.3 Bio accumulative potential

No data available.

12.4 Mobility in soil

No data available.

12.5 Results of PBT and vPvB assessment

No data available.

12.6 Endocrine disrupting properties

No data available.

12.7 Other adverse effects

No additional information available.

SECTION 13: Disposal considerations

13.1 Waste treatment methods

Do not attempt to incinerate the toner container or unit and the waste toner yourself.
Dangerous sparks may cause burn.
The toner/developer/ink contains synthetic polymer microparticles.
When disposing of this product/parts, avoid release of contents into the environment.
Dispose of contents(toner/developer/ink) in accordance with local/regional/national/ international regulations.

SECTION 14: Transport information

14.1 UN-number or ID number

None.

14.2 UN Proper shipping name

None.

14.3 Transport hazard class(es)

None.

14.4 Packing group

None.

14.5 Environmental hazards

None.

14.6 Special precautions for user

No additional information available.

14.7 Maritime transport in bulk according to IMO instruments

Not applicable.

SECTION 15: Regulatory information

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

EU-regulations

Regulation (EU) No 2024/590 (on substances that deplete the ozone layer, Annex I and II):

Not listed.

Regulation (EU) 2019/1021 (on persistent organic pollutants, Annex I as amended):

Not listed.

Regulation (EU) No 649/2012 (concerning the export and import of dangerous chemicals, Annex I and V as amended):

Not listed.

Regulation (EC) No 1907/2006 REACH Annex XVII as amended (Restrictions on use):

Not listed.

Regulation (EC) No 1907/2006 REACH Annex XIV as amended (Authorisations):

Not listed.

US-regulations

All ingredients in this product comply with order under TSCA.

Canada regulations

This product is not a WHMIS-controlled product, since we consider it as a manufactured article.

15.2 Chemical Safety Assessment

No data available.

SECTION 16: Other information

To the best of our knowledge, the information contained herein is accurate. However, we cannot assume any liability whatsoever for the accuracy or completeness of the information contained herein. The contents and format of this SDS are in accordance with Regulation (EC) No 1907/2006, Annex II as amended by Regulation (EU) 2020/878 with respect to SDSs.

Revision information:

Full text of H statements under sections 3: Not applicable.

Abbreviations and acronyms

ACGIH	American Conference of Governmental Industrial Hygienists 2016 TLVs and BEIs (Threshold Limit Values for Chemical Substances and Physical Agents and Biological Exposure Indices)
CAS	Chemical Abstracts Service
CLP	Regulation (EC) No 1272/2008 on classification, labelling and packaging of substances and mixtures
EPA	Environmental Protection Agency (Integrated Risk Information System) (US)
IARC	International Agency for Research on Cancer (IARC Monographs on the Evaluations of Carcinogenic Risks to Humans)
MAK	Maximale Arbeitsplatzkonzentration der Deutschen Forschungsgesellschaft (2011)
NTP	National Toxicology Program (Report on Carcinogens) (US)
OSHA	Occupational Safety and Health Administration (29 CFR Part 1910 Subpart Z)
PBT	Persistent, Bio accumulative and Toxic
PEL	Permissible Exposure Limits
Proposition 65	California, Safe Drinking Water and Toxic Enforcement Act of 1986
REACH	Regulation (EC) No 1907/2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals
STOT	Specific target organ toxicity
SVHC	Substances of Very High Concern
TRGS 905	Technische Regeln für Gefahrstoffe (Deutschland)
TSCA	Toxic Substances Control Act (US)
TWA	Time Weighted Average
UN	United Nations
vPvB	very Persistent and very Bio accumulative
WHMIS	Workplace Hazardous Materials Information System (Canada)

Key literature references and sources for data

(1) Pulmonary Response to Toner upon Chronic Inhalation Exposure in Rats, H. Muhle et al., Fundamental and Applied Toxicology 17.280-299 (1991) Lung Clearance and Retention of Toner, utilising a Tracer Technique, during Chronic Inhalation Exposure in Rats, B. Bellmann, Fundamental and Applied Toxicology 17.300-313 (1991)

(2) IARC Monograph on the Evaluation of the Carcinogenic Risk of Chemicals to Humans, Vol. 93

(3) NIOSH CURRENT INTELLIGENCE BULLETIN "Evaluation of Health Hazard and Recommendation for Occupational Exposure to Titanium Dioxide DRAFT"

(4) The contents are in accordance with Material Safety Data Sheet "CK8536K-TA-UT-01-EN"; 29/08/2025 of the KYOCERA Document Solutions Inc., 1-2-28 Tamatsukuri, Chuo-ku, Osaka 540-8585, Japan.

Safety Data Sheet

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

SDS Number:	**CK8536M-TA-UT-01-EN**	**Issue date:**	**29/08/2025**
Revision date:		**Effective date:**	**29/08/2025**
Version:	**01**	**Replace version:**	

SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1 Product identifier

Product name Magenta Toner for
9515ci, 8515ci, 7515ci

Consumable name CK-8536M

Product form Mixture

1.2 Relevant identified uses of the substance or mixture and uses advised against

Identified uses The image formation of our electrophotographic equipment.
Other uses are not recommended.

1.3 Details of the supplier of the safety data sheet

Manufacturer KYOCERA Document Solutions Inc.

Address 1-2-28 Tamatsukuri, Chuo-ku, Osaka 540-8585, Japan

Supplier TA Triumph-Adler GmbH

Address Deelbögenkamp 4c
22297 Hamburg
Germany

1.4 Emergency telephone number +49 (0) 40 / 528490
(This number is available only during office hours)

SECTION 2: Hazards identification

2.1 Classification of the substance or mixture

Classification according to Regulation (EC) No 1272/2008 (CLP)

Not classified as hazardous mixture.

2.2 Label elements

Labelling according to Regulation (EC) No 1272/2008 (CLP)

Not applicable.

2.3 Other hazards

Assessment of PBT/vPvB

No data available.

See section 4 and 11 for information on health effects and symptoms.
See section 9 for dust explosion information.

SECTION 3: Composition/information on ingredients

3.2 Mixtures

Chemical name	CAS No	Weight%	Classification (CLP)
Polyester resin	Confidential	70-80	None
Ferrite (Ferrite including manganese)	66402-68-4	5-10 (as Mn: <3)	None
Organic pigment	Confidential	3-8	None
Amorphous silica	7631-86-9	1-5	None
Aluminium compound	1344-28-1	< 1	None

Information of ingredients

(1) Substance, which present a health or environmental hazard within the meaning of CLP:

None.

(2) Substance, which are assigned Community workplace exposure limits:

None.

(3) Substance, which are PBT or vPvB in accordance with the criteria set out in Annex XIII of REACH:

None.

(4) Substance, which are included in the list established in accordance with Article 59(1) of REACH (SVHC):

None.

See section 16 for the full text of the H statements declared above.

SECTION 4: First aid measures

4.1 Description of first aid measures

Inhalation: Remove from exposure to fresh air and gargle with plenty of water. Consult a doctor in case of such symptoms as coughing.

Skin contact: Wash with soap and water.

Eye contact: Flush with water immediately and see a doctor if irritating.

Ingestion: Rinse out the mouth. Drink one or two glasses of water to dilute. Seek medical treatment if necessary.

4.2 Most important symptoms and effects, both acute and delayed

Potential health effects and symptoms

Inhalation: Prolonged inhalation of excessive dusts may cause lung damage. Use of this product as intended does not result in prolonged inhalation of excessive toner dusts.

4.2 **Skin contact:** Unlikely to cause skin irritation.

Eye contact: May cause transient eye irritation.

Ingestion: Use of this product as intended does not result in ingestion.

4.3 **Indication of any immediate medical attention and special treatment needed**

No additional information available.

SECTION 5: Firefighting measures

5.1 **Extinguishing media**

Suitable extinguishing media

Water spray, foam, powder, CO_2 or dry chemical

Unsuitable extinguishing media

None specified.

5.2 **Special hazards arising from the substance or mixture**

Hazardous combustion products: Carbon dioxide, Carbon monoxide

5.3 **Advice for firefighters**

Fire-fighting procedures

Pay attention not to blow away dust. Drain water off around and decrease the atmosphere temperature to extinguish the fire.

Protection equipment for firefighters

None specified.

SECTION 6: Accidental release measures

6.1 **Personal precautions, protective equipment and emergency procedures**

Avoid inhalation, ingestion, eye and skin contact in case of accidental release. Avoid formation of dust. Provide adequate ventilation.

6.2 **Environmental precautions**

Do not allow to enter into surface water or drains.

6.3 **Methods and material for containment and cleaning up**

Gather the released powder not to blow away and wipe up with a wet cloth.

6.4 **Reference to other sections**

See section 13 for disposal information.

SECTION 7: Handling and storage

7.1 Precautions for safe handling

Do not attempt to force open or destroy the toner container or unit.
See installation guide of this product.

7.2 Conditions for safe storage, including any incompatibilities

Keep the toner container or unit tightly closed and store in a cool, dry and dark place.
Keep away from fire. Keep out of the reach of children.

7.3 Specific end use(s)

No additional information available.

SECTION 8: Exposure controls/personal protection

8.1 Control parameters

(Reference data)

US ACGIH Threshold Limit Values (TWA)

Particles: 10 mg/m³ (Inhalable particles) 3 mg/m³ (Respirable particles)
Manganese inorganic compounds (Ferrite component):
0.1 mg/m³ (Inhalable fraction)
0.02 mg/m³ (Respirable fraction) (as Mn
Aluminium insoluble compound: 1 mg/m³ (Respirable fraction)

US OSHA PEL (TWA)

Particles: 15 mg/m³ (Total dust) 5 mg/m³ (Respirable fraction)
Manganese compounds (Ferrite component): 5 mg/m³ (Ceiling) (as Mn)
Amorphous silica: 80 mg/m³/%SiO_2

EU Occupational exposure limits: Directive (EC) 2000/39, (EC) 2006/15 and (EU) 2009/161

Not listed.

8.2 Exposure controls

Appropriate engineering controls

Special ventilator is not required under normal intended use.
Use in a well-ventilated area.

Personal protective equipment

Respiratory protection, eye protection, hand protection, skin and body protection are not required under normal intended use.

Environmental exposure controls

No additional information available.

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

Appearance	
Physical state	Solid (fine powder)
Colour	Magenta
Odour	Odourless
Melting point/freezing point [°C]	100-120 (Toner)
Boiling point or initial boiling point and boiling range	No data available.
Flammability	No data available.
Lower and upper explosion limit	No data available.
Flash point	No data available.
Auto-ignition temperature	No data available.
Decomposition temperature	No data available.
pH	No data available.
Kinematic viscosity	No data available.
Solubility	Almost insoluble in water.
Partition coefficient: n-octanol/water (log value)	No data available.
Vapour pressure	No data available.
Density and/or relative density [g/cm³]	1.2-1.4 (Toner)
Relative vapour density	Not applicable.
Particle characteristics [µm]	1-10 (Toner) 30-50 (Carrier)

9.2 Other information

Dust explosion properties

Dust explosion is improbable under normal intended use.
Experimental explosiveness of toner is classified into the same rank such kind of powder as flour, dry milk and resin powder according to the pressure rising speed.

SECTION 10: Stability and reactivity

10.1 Reactivity

No data available.

10.2 Chemical stability

This product is stable under normal conditions of use and storage.

10.3 Possibility of hazardous reactions

Hazardous reactions will not occur.

10.4 Conditions to avoid

None specified.

10.5 Incompatible materials

None specified.

10.6 Hazardous decomposition products

Hazardous decomposition products are not to be produced.

SECTION 11: Toxicological information

11.1 Information on hazard classes as defined in Regulation (EC) No 1272/2008

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

Acute toxicity

Oral (LD50)	> 2000 mg/kg (rat)* (Toner) > 2500 mg/kg (rat)** (Carrier)
Dermal (LD50)	No data available (Toner). No data available (Carrier).
Inhalation (LC50(4hr))	> 5.08 mg/l (rat)* (Toner)

Skin corrosion/irritation

Acute skin irritation	Non-irritant (rabbit)* (Toner) Non-irritant (rabbit)** (Carrier)

Serious eye damage/irritation

Acute eye irritation	Mild irritant (rabbit)* (Toner)

Respiratory or skin sensitisation

Skin sensitisation	Non-sensitising (mouse)* (Toner) Non-sensitising** (Carrier)

11.1 Germ cell mutagenicity AMES test is negative (Toner).
AMES test is negative** (Carrier).
*(Based on test result of similar product)
**(Based on test result of constituent materials)

Information of ingredients:

No mutagen according to MAK, TRGS905 and (EC) No 1272/2008 Annex VI.

Carcinogenicity

Information of ingredients:

No carcinogen or potential carcinogen according to IARC, Japan Association on Industrial Health, ACGIH, EPA, OSHA, NTP, MAK, California Proposition 65, TRGS 905 and (EC) No 1272/2008 Annex VI.

Reproductive toxicity

Information of ingredients:

No reproductive toxicant according to MAK, California Proposition 65, TRGS 905 and (EC) No 1272/2008 Annex VI.

STOT-single exposure No data available.

STOT-repeated exposure No data available.

Aspiration hazard No data available.

Chronic effects

In a study in rats by chronic inhalation exposure to a typical toner, a mild to moderate degree of lung fibrosis was observed in 92% of the rats in the high concentration (16 mg/m³) exposure group, and a minimal to mild degree of fibrosis was noted in 22% of the animal in the middle (4mg/m³) exposure group (1). But no pulmonary change was reported in the lowest (1mg/m³) exposure group, the most relevant level to potential human exposures.

11.2 Information on other hazards

Endocrine disrupting properties No data available.

Other information No data available.

SECTION 12: Ecological information

12.1 Toxicity

No data available.

12.2 Persistence and degradability

No data available.

12.3 Bio accumulative potential

No data available.

12.4 Mobility in soil

No data available.

12.5 Results of PBT and vPvB assessment

No data available.

12.6 Endocrine disrupting properties

No data available.

12.7 Other adverse effects

No additional information available.

SECTION 13: Disposal considerations

13.1 Waste treatment methods

Do not attempt to incinerate the toner container or unit and the waste toner yourself.
Dangerous sparks may cause burn.
The toner/developer/ink contains synthetic polymer microparticles.
When disposing of this product/parts, avoid release of contents into the environment.
Dispose of contents(toner/developer/ink) in accordance with local/regional/national/ international regulations.

SECTION 14: Transport information

14.1 UN-number or ID number

None.

14.2 UN Proper shipping name

None.

14.3 Transport hazard class(es)

None.

14.4 Packing group

None.

14.5 Environmental hazards

None.

14.6 Special precautions for user

No additional information available.

14.7 Maritime transport in bulk according to IMO instruments

Not applicable.

SECTION 15: Regulatory information

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

EU-regulations

Regulation (EU) No 2024/590 (on substances that deplete the ozone layer, Annex I and II):

Not listed.

Regulation (EU) 2019/1021 (on persistent organic pollutants, Annex I as amended):

Not listed.

Regulation (EU) No 649/2012 (concerning the export and import of dangerous chemicals, Annex I and V as amended):

Not listed.

Regulation (EC) No 1907/2006 REACH Annex XVII as amended (Restrictions on use):

Not listed.

Regulation (EC) No 1907/2006 REACH Annex XIV as amended (Authorisations):

Not listed.

US-regulations

All ingredients in this product comply with order under TSCA.

Canada regulations

This product is not a WHMIS-controlled product, since we consider it as a manufactured article.

15.2 Chemical Safety Assessment

No data available.

SECTION 16: Other information

To the best of our knowledge, the information contained herein is accurate. However, we cannot assume any liability whatsoever for the accuracy or completeness of the information contained herein. The contents and format of this SDS are in accordance with Regulation (EC) No 1907/2006, Annex II as amended by Regulation (EU) 2020/878 with respect to SDSs.

Revision information:

Full text of H statements under sections 3: Not applicable.

Abbreviations and acronyms

ACGIH	American Conference of Governmental Industrial Hygienists 2016 TLVs and BEIs (Threshold Limit Values for Chemical Substances and Physical Agents and Biological Exposure Indices)
CAS	Chemical Abstracts Service
CLP	Regulation (EC) No 1272/2008 on classification, labelling and packaging of substances and mixtures
EPA	Environmental Protection Agency (Integrated Risk Information System) (US)
IARC	International Agency for Research on Cancer (IARC Monographs on the Evaluations of Carcinogenic Risks to Humans)
MAK	Maximale Arbeitsplatzkonzentration der Deutschen Forschungsgesellschaft (2011)
NTP	National Toxicology Program (Report on Carcinogens) (US)
OSHA	Occupational Safety and Health Administration (29 CFR Part 1910 Subpart Z)
PBT	Persistent, Bio accumulative and Toxic
PEL	Permissible Exposure Limits
Proposition 65	California, Safe Drinking Water and Toxic Enforcement Act of 1986
REACH	Regulation (EC) No 1907/2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals
STOT	Specific target organ toxicity
SVHC	Substances of Very High Concern
TRGS 905	Technische Regeln für Gefahrstoffe (Deutschland)
TSCA	Toxic Substances Control Act (US)
TWA	Time Weighted Average
UN	United Nations
vPvB	very Persistent and very Bio accumulative
WHMIS	Workplace Hazardous Materials Information System (Canada)

Key literature references and sources for data

(1) Pulmonary Response to Toner upon Chronic Inhalation Exposure in Rats, H. Muhle et al., Fundamental and Applied Toxicology 17.280-299 (1991) Lung Clearance and Retention of Toner, utilising a Tracer Technique, during Chronic Inhalation Exposure in Rats, B. Bellmann, Fundamental and Applied Toxicology 17.300-313 (1991)

(2) IARC Monograph on the Evaluation of the Carcinogenic Risk of Chemicals to Humans, Vol. 93

(3) NIOSH CURRENT INTELLIGENCE BULLETIN "Evaluation of Health Hazard and Recommendation for Occupational Exposure to Titanium Dioxide DRAFT"

(4) The contents are in accordance with Material Safety Data Sheet "CK8536M-TA-UT-01-EN"; 29/08/2025 of the KYOCERA Document Solutions Inc., 1-2-28 Tamatsukuri, Chuo-ku, Osaka 540-8585, Japan.

Safety Data Sheet

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

SDS Number:	**CK8536Y-TA-UT-01-EN**	**Issue date:**	**29/08/2025**
Revision date:		**Effective date:**	**29/08/2025**
Version:	**01**	**Replace version:**	

SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1 Product identifier

Product name Yellow Toner for
9515ci, 8515ci, 7515ci

Consumable name CK-8536Y

Product form Mixture

1.2 Relevant identified uses of the substance or mixture and uses advised against

Identified uses The image formation of our electrophotographic equipment.
Other uses are not recommended.

1.3 Details of the supplier of the safety data sheet

Manufacturer KYOCERA Document Solutions Inc.

Address 1-2-28 Tamatsukuri, Chuo-ku, Osaka 540-8585, Japan

Supplier TA Triumph-Adler GmbH

Address Deelbögenkamp 4c
22297 Hamburg
Germany

1.4 Emergency telephone number +49 (0) 40 / 528490
(This number is available only during office hours)

SECTION 2: Hazards identification

2.1 Classification of the substance or mixture

Classification according to Regulation (EC) No 1272/2008 (CLP)

Not classified as hazardous mixture.

2.2 Label elements

Labelling according to Regulation (EC) No 1272/2008 (CLP)

Not applicable.

2.3 Other hazards

Assessment of PBT/vPvB

No data available.

See section 4 and 11 for information on health effects and symptoms.
See section 9 for dust explosion information.

SECTION 3: Composition/information on ingredients

3.2 Mixtures

Chemical name	CAS No	Weight%	Classification (CLP)
Polyester resin	Confidential	70-80	None
Ferrite (Ferrite including manganese)	66402-68-4	5-10 (as Mn: <3)	None
Organic pigment	Confidential	3-8	None
Amorphous silica	7631-86-9	1-5	None
Aluminium compound	1344-28-1	< 1	None

Information of ingredients

(1) Substance, which present a health or environmental hazard within the meaning of CLP:

None.

(2) Substance, which are assigned Community workplace exposure limits:

None.

(3) Substance, which are PBT or vPvB in accordance with the criteria set out in Annex XIII of REACH:

None.

(4) Substance, which are included in the list established in accordance with Article 59(1) of REACH (SVHC):

None.

See section 16 for the full text of the H statements declared above.

SECTION 4: First aid measures

4.1 Description of first aid measures

Inhalation: Remove from exposure to fresh air and gargle with plenty of water. Consult a doctor in case of such symptoms as coughing.

Skin contact: Wash with soap and water.

Eye contact: Flush with water immediately and see a doctor if irritating.

Ingestion: Rinse out the mouth. Drink one or two glasses of water to dilute. Seek medical treatment if necessary.

4.2 Most important symptoms and effects, both acute and delayed

Potential health effects and symptoms

Inhalation: Prolonged inhalation of excessive dusts may cause lung damage. Use of this product as intended does not result in prolonged inhalation of excessive toner dusts.

4.2 **Skin contact:** Unlikely to cause skin irritation.

Eye contact: May cause transient eye irritation.

Ingestion: Use of this product as intended does not result in ingestion.

4.3 **Indication of any immediate medical attention and special treatment needed**

No additional information available.

SECTION 5: Firefighting measures

5.1 **Extinguishing media**

Suitable extinguishing media

Water spray, foam, powder, CO_2 or dry chemical

Unsuitable extinguishing media

None specified.

5.2 **Special hazards arising from the substance or mixture**

Hazardous combustion products: Carbon dioxide, Carbon monoxide

5.3 **Advice for firefighters**

Fire-fighting procedures

Pay attention not to blow away dust. Drain water off around and decrease the atmosphere temperature to extinguish the fire.

Protection equipment for firefighters

None specified.

SECTION 6: Accidental release measures

6.1 **Personal precautions, protective equipment and emergency procedures**

Avoid inhalation, ingestion, eye and skin contact in case of accidental release. Avoid formation of dust. Provide adequate ventilation.

6.2 **Environmental precautions**

Do not allow to enter into surface water or drains.

6.3 **Methods and material for containment and cleaning up**

Gather the released powder not to blow away and wipe up with a wet cloth.

6.4 **Reference to other sections**

See section 13 for disposal information.

SECTION 7: Handling and storage

7.1 Precautions for safe handling

Do not attempt to force open or destroy the toner container or unit.
See installation guide of this product.

7.2 Conditions for safe storage, including any incompatibilities

Keep the toner container or unit tightly closed and store in a cool, dry and dark place.
Keep away from fire. Keep out of the reach of children.

7.3 Specific end use(s)

No additional information available.

SECTION 8: Exposure controls/personal protection

8.1 Control parameters

(Reference data)

US ACGIH Threshold Limit Values (TWA)

Particles: 10 mg/m³ (Inhalable particles) 3 mg/m³ (Respirable particles)
Manganese inorganic compounds (Ferrite component):
0.1 mg/m³ (Inhalable fraction)
0.02 mg/m³ (Respirable fraction) (as Mn
Aluminium insoluble compound: 1 mg/m³ (Respirable fraction)

US OSHA PEL (TWA)

Particles: 15 mg/m³ (Total dust) 5 mg/m³ (Respirable fraction)
Manganese compounds (Ferrite component): 5 mg/m³ (Ceiling) (as Mn)
Amorphous silica: 80 mg/m³/%SiO_2

EU Occupational exposure limits: Directive (EC) 2000/39, (EC) 2006/15 and (EU) 2009/161

Not listed.

8.2 Exposure controls

Appropriate engineering controls

Special ventilator is not required under normal intended use.
Use in a well-ventilated area.

Personal protective equipment

Respiratory protection, eye protection, hand protection, skin and body protection are not required under normal intended use.

Environmental exposure controls

No additional information available.

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

Appearance	
Physical state	Solid (fine powder)
Colour	Yellow
Odour	Odourless
Melting point/freezing point [°C]	100-120 (Toner)
Boiling point or initial boiling point and boiling range	No data available.
Flammability	No data available.
Lower and upper explosion limit	No data available.
Flash point	No data available.
Auto-ignition temperature	No data available.
Decomposition temperature	No data available.
pH	No data available.
Kinematic viscosity	No data available.
Solubility	Almost insoluble in water.
Partition coefficient: n-octanol/water (log value)	No data available.
Vapour pressure	No data available.
Density and/or relative density [g/cm³]	1.2-1.4 (Toner)
Relative vapour density	Not applicable.
Particle characteristics [µm]	1-10 (Toner) 30-50 (Carrier)

9.2 Other information

Dust explosion properties

Dust explosion is improbable under normal intended use.
Experimental explosiveness of toner is classified into the same rank such kind of powder as flour, dry milk and resin powder according to the pressure rising speed.

SECTION 10: Stability and reactivity

10.1 Reactivity

No data available.

10.2 Chemical stability

This product is stable under normal conditions of use and storage.

10.3 Possibility of hazardous reactions

Hazardous reactions will not occur.

10.4 Conditions to avoid

None specified.

10.5 Incompatible materials

None specified.

10.6 Hazardous decomposition products

Hazardous decomposition products are not to be produced.

SECTION 11: Toxicological information

11.1 Information on hazard classes as defined in Regulation (EC) No 1272/2008

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

Acute toxicity

Oral (LD50)	> 2000 mg/kg (rat)* (Toner) > 2500 mg/kg (rat)** (Carrier)
Dermal (LD50)	No data available (Toner). No data available (Carrier).
Inhalation (LC50(4hr))	> 5.10 mg/l (rat)* (Toner)

Skin corrosion/irritation

Acute skin irritation	Non-irritant (rabbit)* (Toner) Non-irritant (rabbit)** (Carrier)

Serious eye damage/irritation

Acute eye irritation	Mild irritant (rabbit)* (Toner)

Respiratory or skin sensitisation

Skin sensitisation	Non-sensitising (mouse)* (Toner) Non-sensitising** (Carrier)

11.1 Germ cell mutagenicity

AMES test is negative (Toner).
AMES test is negative** (Carrier).
*(Based on test result of similar product)
**(Based on test result of constituent materials)

Information of ingredients:

No mutagen according to MAK, TRGS905 and (EC) No 1272/2008 Annex VI.

Carcinogenicity

Information of ingredients:

No carcinogen or potential carcinogen according to IARC, Japan Association on Industrial Health, ACGIH, EPA, OSHA, NTP, MAK, California Proposition 65, TRGS 905 and (EC) No 1272/2008 Annex VI.

Reproductive toxicity

Information of ingredients:

No reproductive toxicant according to MAK, California Proposition 65, TRGS 905 and (EC) No 1272/2008 Annex VI.

STOT-single exposure No data available.

STOT-repeated exposure No data available.

Aspiration hazard No data available.

Chronic effects

In a study in rats by chronic inhalation exposure to a typical toner, a mild to moderate degree of lung fibrosis was observed in 92% of the rats in the high concentration (16 mg/m³) exposure group, and a minimal to mild degree of fibrosis was noted in 22% of the animal in the middle (4mg/m³) exposure group (1). But no pulmonary change was reported in the lowest (1mg/m³) exposure group, the most relevant level to potential human exposures.

11.2 Information on other hazards

Endocrine disrupting properties No data available.

Other information No data available.

SECTION 12: Ecological information

12.1 Toxicity

No data available.

12.2 Persistence and degradability

No data available.

12.3 Bio accumulative potential

No data available.

12.4 Mobility in soil

No data available.

12.5 Results of PBT and vPvB assessment

No data available.

12.6 Endocrine disrupting properties

No data available.

12.7 Other adverse effects

No additional information available.

SECTION 13: Disposal considerations

13.1 Waste treatment methods

Do not attempt to incinerate the toner container or unit and the waste toner yourself.
Dangerous sparks may cause burn.
The toner/developer/ink contains synthetic polymer microparticles.
When disposing of this product/parts, avoid release of contents into the environment.
Dispose of contents(toner/developer/ink) in accordance with local/regional/national/ international regulations.

SECTION 14: Transport information

14.1 UN-number or ID number

None.

14.2 UN Proper shipping name

None.

14.3 Transport hazard class(es)

None.

14.4 Packing group

None.

14.5 Environmental hazards

None.

14.6 Special precautions for user

No additional information available.

14.7 Maritime transport in bulk according to IMO instruments

Not applicable.

SECTION 15: Regulatory information

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

EU-regulations

Regulation (EU) No 2024/590 (on substances that deplete the ozone layer, Annex I and II):

Not listed.

Regulation (EU) 2019/1021 (on persistent organic pollutants, Annex I as amended):

Not listed.

Regulation (EU) No 649/2012 (concerning the export and import of dangerous chemicals, Annex I and V as amended):

Not listed.

Regulation (EC) No 1907/2006 REACH Annex XVII as amended (Restrictions on use):

Not listed.

Regulation (EC) No 1907/2006 REACH Annex XIV as amended (Authorisations):

Not listed.

US-regulations

All ingredients in this product comply with order under TSCA.

Canada regulations

This product is not a WHMIS-controlled product, since we consider it as a manufactured article.

15.2 Chemical Safety Assessment

No data available.

SECTION 16: Other information

To the best of our knowledge, the information contained herein is accurate. However, we cannot assume any liability whatsoever for the accuracy or completeness of the information contained herein. The contents and format of this SDS are in accordance with Regulation (EC) No 1907/2006, Annex II as amended by Regulation (EU) 2020/878 with respect to SDSs.

Revision information:

Full text of H statements under sections 3: Not applicable.

Abbreviations and acronyms

ACGIH	American Conference of Governmental Industrial Hygienists 2016 TLVs and BEIs (Threshold Limit Values for Chemical Substances and Physical Agents and Biological Exposure Indices)
CAS	Chemical Abstracts Service
CLP	Regulation (EC) No 1272/2008 on classification, labelling and packaging of substances and mixtures
EPA	Environmental Protection Agency (Integrated Risk Information System) (US)
IARC	International Agency for Research on Cancer (IARC Monographs on the Evaluations of Carcinogenic Risks to Humans)
MAK	Maximale Arbeitsplatzkonzentration der Deutschen Forschungsgesellschaft (2011)
NTP	National Toxicology Program (Report on Carcinogens) (US)
OSHA	Occupational Safety and Health Administration (29 CFR Part 1910 Subpart Z)
PBT	Persistent, Bio accumulative and Toxic
PEL	Permissible Exposure Limits
Proposition 65	California, Safe Drinking Water and Toxic Enforcement Act of 1986
REACH	Regulation (EC) No 1907/2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals
STOT	Specific target organ toxicity
SVHC	Substances of Very High Concern
TRGS 905	Technische Regeln für Gefahrstoffe (Deutschland)
TSCA	Toxic Substances Control Act (US)
TWA	Time Weighted Average
UN	United Nations
vPvB	very Persistent and very Bio accumulative
WHMIS	Workplace Hazardous Materials Information System (Canada)

Key literature references and sources for data

(1) Pulmonary Response to Toner upon Chronic Inhalation Exposure in Rats, H. Muhle et al., Fundamental and Applied Toxicology 17.280-299 (1991) Lung Clearance and Retention of Toner, utilising a Tracer Technique, during Chronic Inhalation Exposure in Rats, B. Bellmann, Fundamental and Applied Toxicology 17.300-313 (1991)

(2) IARC Monograph on the Evaluation of the Carcinogenic Risk of Chemicals to Humans, Vol. 93

(3) NIOSH CURRENT INTELLIGENCE BULLETIN "Evaluation of Health Hazard and Recommendation for Occupational Exposure to Titanium Dioxide DRAFT"

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