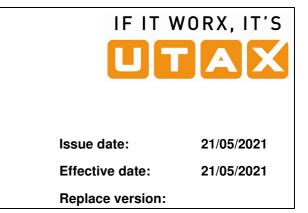


SDS Number: CK8516C(TR)-TA-UT-01-EN

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



Revision date:

Safety Data Sheet

01

Version:

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

1.1	Product identifier	
	Product name	Cyan Toner for
		7307ci, 8307ci
	Consumable name	CK-8516C
	Product form	Mixture
1.2	Relevant identified us	ses 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	e 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.

74 Triump	h-Adler ent Business			T WORX, IT'S
Safety Data Sh	ERA GROUP COMPANY			
	on (EC) No 1907/2006 (R	EACH)		
SDS Number: CK851	6C(TR)-TA-UT-01-EN		Issue date:	21/05/2021
Revision date:			Effective date	21/05/2021
Version: 01			Replace version	on:
SECTION 3: Composi	ition/information on ing	gredients		
3.2 Mixtures				
<u>Chemical name</u>	2	CAS No	Weight%	Classification (CLP)
Organic pigmer Amorphous sili	including Manganese) nt ca	confidential 66402-68-4 confidential 7631-86-9	70-80 5-10 (as Mn: < 3-8 1-5	,
Titanium dioxid	-	13463-67-7	< 1	Carc.2(H351)
Information of (1) Substance,	which present a health	or environmenta	l hazard within tl	he meaning of CLP:
Titaniu	m dioxide.			-
(2) Substance,	which are assigned Cor	nmunity workpla	ice exposure lim	its:
	None.			
(3) Substance, REACH:	which are PBT or vPvB	in accordance v	vith the criteria s	et out in Annex XIII of
	None.			
(4) Substance, REACH (S ^V	which are included in th VHC):	e list established	d in accordance	with Article 59(1) of
	None.			
See section 16	for the full text of the H	statements decl	ared above.	
SECTION 4: First aid	measures			
4.1 Description of	first aid measures			
Inhalation:	Remove from exposure Consult a doctor in cas			
Skin contact:	Wash with soap and wa	ater.		
Eye contact:	Flush with water immed	diately and see a	a doctor if irritatir	ng.
Ingestion:	Rinse out the mouth. D Seek medical treatmen		glasses of water	to dilute.





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

SDS Number:	CK8516C(TR)-TA-UT-01-EN	Issue date:	21/05/2021
Revision date:		Effective date:	21/05/2021
Version:	01	Replace version:	

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. 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, CO₂ 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.





21/05/2021

Issue date:

Effective date:

Replace version:

Safety Data Sheet

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

SDS Number: CK8516C(TR)-TA-UT-01-EN

Revision date:

Version: 01

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)

Titanium dioxide: 10 mg/m³

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/%SiO₂ Titanium dioxide: 15 mg/m³ (Total dust)

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.

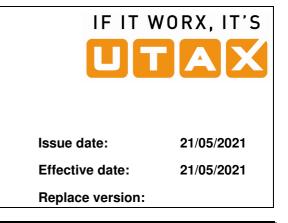
Personal protective equipment

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

Environmental exposure controls

No additional information available.





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

SDS Number: CK8516C(TR)-TA-UT-01-EN

Revision date:

Version: 01

SECTION 9: Physical and chemical properties

Information on basic physical and chen	nical properties
Appearance	
Physical state	Solid (fine powder)
Colour	Cyan
Odour	Odourless
Odour threshold	No data available.
рН	No data available.
Melting point [°C]	100-120 (Toner)
Boiling point	No data available.
Flash point	No data available.
Evaporation rate	No data available.
Flammability (solid, gas)	No data available.
Upper flammability or explosive limit	No data available.
Lower flammability or explosive limit	No data available.
Vapour pressure	No data available.
Vapour density	No data available.
Relative density [g/cm ³]	1.2-1.4 (Toner)
Solubility (ies)	Almost insoluble in water.
Partition coefficient: n-octanol/water	No data available.
Auto-ignition temperature	No data available.
Decomposition temperature	No data available.
Viscosity	No data available.
Explosive properties	No data available.
Oxidizing properties	No data available.

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.





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

SDS Number: CK8516C(TR)-TA-UT-01-EN

Revision date:

Version:

Replace version:

SECTION 10: Stability and reactivity

01

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.

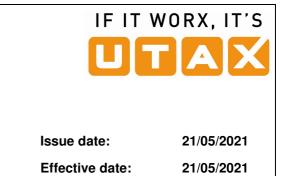
SECTION 11: Toxicological information

Information on toxicological effects			
Based on available data, the classification criteria listed below are not met.			
Acute toxicity			
Oral (LD ₅₀)	> 2000 mg/kg (rat)* (Toner) > 2000 mg/kg (rat)** (Carrier)		
Dermal (LD ₅₀)	No data available. (Toner) No data available. (Carrier)		
Inhalation $(LC_{50}(4hr))$	> 5.10 mg/l (rat)* (Toner)		
Skin corrosion/irritation			
Acute skin irritation	Non-irritant (rabbit)* (Toner) Non-irritant (rabbit)** (Carrier)		
Serious eye damage/irritatio	n		
Acute eye irritation	Mild irritant (rabbit)*. (Toner)		
Respiratory or skin sensitization			
Skin sensitization	Non-sensitising (mouse)* (Toner) Non-sensitising** (Carrier)		



SDS Number: CK8516C(TR)-TA-UT-01-EN

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



Revision date: Version: 01

Safety Data Sheet

Replace version:

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 und (EC) No 1272/2008 Annex VI.

Carcinogenicity

Information of ingredients:

No carcinogen or potential carcinogen (except Titanium dioxide) 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 re-evaluated Titanium dioxide 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). In the animal chronic inhalation studies for Titanium dioxide, the lung tumour was observed only in rats. It is estimated that this is attributed to the overload of rat's lung clearance mechanism (overload phenomenon) (3). The inhalation of excessive Titanium dioxide does not occur in normal use of this product. Also, epidemiological studies to date have not revealed any evidence of the relation between occupational exposure to Titanium dioxide and respiratory tract diseases.

Reproductive toxicity

Information of ingredients:

No reproductive toxicant according to MAK, California Proposition 65, TRGS 905 und (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.

Other information

No data available.



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

SDS Number: CK8516C(TR)-TA-UT-01-EN

Revision date:

Version: 01

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 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. Any disposal practice should be done under conditions which meet local, state and federal laws and regulations relating to waste (contact local or state environmental agency for specific rules).

SECTION 14: Transport information

14.1 UN-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.

Issue date:	21/05/2021
Effective date:	21/05/2021

IF IT WORX, IT'S

Replace version:





21/05/2021

Issue date:

Effective date:

Replace version:

Safety Data Sheet

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

SDS Number: CK8516C(TR)-TA-UT-01-EN

Revision date:

Version: 01

14.6 Special precautions for user

No additional information available.

14.7 Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code

Not applicable.

SECTION 15: Regulatory information

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

EU-regulations

Regulation (EC) No 1005/2009 (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 (Authorizations):

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.

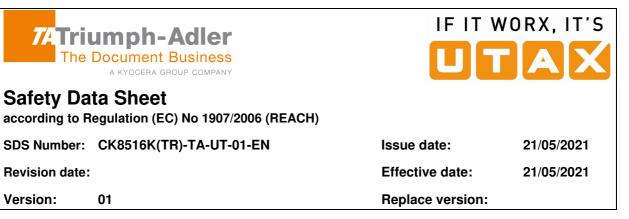
15.2 Chemical Safety Assessment

No data available.

7 / Tr	riumph-Adler		VORX, IT'S
	ne Document Business	me	
	A KYOCERA GROUP COMPANY		
•	Data Sheet		
according to	o Regulation (EC) No 1907/2006 (REACH)		
SDS Numbe	r: CK8516C(TR)-TA-UT-01-EN	Issue date:	21/05/2021
Revision dat	te:	Effective date:	21/05/2021
Version:	01	Replace version:	
SECTION 16	: Other information		
SECTION TO			
canr cont	he best of our knowledge, the information con not assume any liability whatsoever for the acc ained herein. The contents and format of this) No 1907/2006, Annex II as amended by Reg	curacy or completeness of SDS are in accordance wit	the information th Regulation
Revision info	ormation: -		
Full text of ⊢	I statements under sections 3: H351: Su	spected of causing cancer	(inhalation)
Abbreviations	and acronyms		
ACGIH	American Conference of Governmental Industrial Hy 2016 TLVs and BEIs (Threshold Limit Values for Ch		Agents and Biological
CAS	Exposure Indices) Chemical Abstracts Service		с с
CLP	Regulation (EC) No 1272/2008 on classification, lab	elling and packaging of substance	es and mixtures
DFG EPA	Deutsche Forschungsgemeinschaft Environmental Protection Agency (Integrated Risk Ir	formation System) (US)	
IARC	International Agency for Research on Cancer (IARC to Humans)		of Carcinogenic Risks
MAK	Maximale Arbeitsplatzkonzentration der Deutschen		
NTP OSHA	National Toxicology Program (Report on Carcinoger Occupational Safety and Health Administration (29 0	, (,	
PBT	Persistent, Bio accumulative and Toxic	inter all rollo cappare 2,	
PEL Proposition 65	Permissible Exposure Limits California, Safe Drinking Water and Toxic Enforcem	ent Act of 1986	
REACH	Regulation (EC) No 1907/2006 concerning the Regi		and Restriction of
STOT	Chemicals Specific target organ toxicity		
SVHC	Substances of Very High Concern		
TRGS 905 TSCA	Technische Regeln für Gefahrstoffe (Deutschland) Toxic Substances Control Act (US)		
TWA	Time Weighted Average		
UN vPvB	United Nations very Persistent and very Bio accumulative		
WHMIS	Workplace Hazardous Materials Information System	(Canada)	
Key literature	references and sources for data		
 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, Utilizing a Tracer Technique, during Chronic Inhalation Exposure in Rats, B. Bellmann, Fundamental and Applied Toxicology 17.300-313 (1991) IARC Monograph on the Evaluation of the Carcinogenic Risk of Chemicals to Humans, Vol. 93 NIOSH CURRENT INTELLIGENCE BULLETIN "Evaluation of Health Hazard and Recommendation for Occupational Exposure to Titanium Dioxide DRAFT" The contents are in accordance with Material Safety Data Sheet "CK8516C(TR)-TA-UT-01-EN"; 21/05/2021 of the KYOCERA Document Solutions Inc., 1-2-28 Tamatsukuri, Chuo-ku, Osaka 540-8585, Japan. 			



SDS Number: CK8516K(TR)-TA-UT-01-EN



Revision date:

Safety Data Sheet

01

Version:

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

1.1	Product identifier		
	Product name	Black Toner for	
		7307ci, 8307ci	
	Consumable name	CK-8516K	
	Product form	Mixture	
1.2	Relevant identified us	ses 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 supplie	lier 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	e 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.

7	4 Triump	h-Adler		IFI	T WORX, IT'S
The Document Business				ΤΑΧ	
	ty Data Sh	eet n (EC) No 1907/2006 (R	EACH)		
SDS N	umber: CK851	6K(TR)-TA-UT-01-EN		Issue date:	21/05/2021
Revisio	on date:			Effective date	: 21/05/2021
Versio	n: 01			Replace version	on:
SECTIO	DN 3: Composi	tion/information on ing	gredients		
3.2	Mixtures		-		
5.2	Chemical name	9	CAS No	Weight%	Classification (CLP)
	Polyester resin	(3 kinds) including Manganese) ca	confidential 66402-68-4 1333-86-4 7631-86-9 13463-67-7	70-80 5-10 (as Mn: < 3-8 1-5 < 1	
	Information of (1) Substance,	ingredients which present a health	or environmenta	l hazard within t	he meaning of CLP:
		Titanium dioxide.			
	(2) Substance,	which are assigned Cor	nmunity workpla	ice exposure lim	its:
	None.				
	(3) Substance, REACH:	which are PBT or vPvB	in accordance v	vith the criteria s	et out in Annex XIII of
		None.			
	(4) Substance, REACH (S)	which are included in th VHC):	e list established	d in accordance	with Article 59(1) of
		None.			
	See section 16	for the full text of the H	statements decl	ared above.	
SECTIO	ON 4: First aid	measures			
4.1	Description of	first aid measures			
	Inhalation:	Remove from exposure Consult a doctor in cas			
	Skin contact:	Wash with soap and wa	ater.		
	Eye contact:	Flush with water immed	diately and see a	a doctor if irritatin	ng.
	Ingestion:	Rinse out the mouth. D Seek medical treatmen		glasses of water	to dilute.
4.1	Inhalation: Skin contact: Eye contact:	Remove from exposure Consult a doctor in cas Wash with soap and wa Flush with water immed Rinse out the mouth. D	e of such sympt ater. diately and see a rink one or two	oms as coughin a doctor if irritatin	ng.





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

SDS Number:	CK8516K(TR)-TA-UT-01-EN	Issue date:	21/05/2021
Revision date:		Effective date:	21/05/2021
Version:	01	Replace version:	

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. 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, CO₂ 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.





21/05/2021

Issue date:

Effective date:

Replace version:

Safety Data Sheet

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

SDS Number: CK8516K(TR)-TA-UT-01-EN

Revision date:

Version: 01

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)

Carbon Black: 3 mg/m³ (Inhalable fraction) Titanium dioxide: 10 mg/m³

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) Carbon Black: 3.5 mg/m³ Amorphous silica: 80 mg/m³/%SiO₂ Titanium dioxide: 15 mg/m³ (Total dust)

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.





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

SDS Number: CK8516K(TR)-TA-UT-01-EN

Revision date:

Version: 01

8.2 Environmental exposure controls

No additional information available.

SECTION 9: Physical and chemical properties

Information on basic physical and chen Appearance	1
Physical state	Solid (fine powder)
Colour	Black
Odour	Odourless
Odour threshold	No data available.
рН	No data available.
Melting point [°C]	100-120 (Toner)
Boiling point	No data available.
Flash point	No data available.
Evaporation rate	No data available.
Flammability (solid, gas)	No data available.
Upper flammability or explosive limit	No data available.
Lower flammability or explosive limit	No data available.
Vapour pressure	No data available.
Vapour density	No data available.
Relative density [g/cm ³]	1.2-1.4 (Toner)
Solubility (ies)	Almost insoluble in water.
Partition coefficient: n-octanol/water	No data available.
Auto-ignition temperature	No data available.
Decomposition temperature	No data available.
Viscosity	No data available.
Explosive properties	No data available.
Oxidizing properties	No data available.

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.

Issue date:	21/05/2021

IF IT WORX, IT'S

21/05/2021

Effective date:

Replace version:





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

SDS Number: CK8516K(TR)-TA-UT-01-EN

Revision date:

Version:

Replace version:

SECTION 10: Stability and reactivity

01

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 toxicological effects			
	Based on available data, the classification criteria listed below are not met.			
	Acute toxicity			
	Oral (LD ₅₀)	> 2000 mg/kg (rat)* (Toner) > 2000 mg/kg (rat)** (Carrier)		
	Dermal (LD_{50})	No data available. (Toner) No data available. (Carrier)		
	Inhalation $(LC_{50}(4hr))$	> 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 sensitization			
	Skin sensitization	Non-sensitising (mouse)* (Toner) Non-sensitising** (Carrier)		
1				



SDS Number: CK8516K(TR)-TA-UT-01-EN

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

	WORX, IT'S
Issue date:	21/05/2021
Effective date:	21/05/2021

Effective date:

Version: 01

Revision date:

Safety Data Sheet

Replace version:

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 und (EC) No 1272/2008 Annex VI.

Carcinogenicity

Information of ingredients:

No carcinogen or potential carcinogen (except Titanium dioxide and 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 re-evaluated Titanium dioxide and 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). In the animal chronic inhalation studies for Titanium dioxide, the lung tumour was observed only in rats. It is estimated that this is attributed to the overload of rat's lung clearance mechanism (overload phenomenon) (3). The inhalation of excessive Titanium dioxide does not occur in normal use of this product. Also, epidemiological studies to date have not revealed any evidence of the relation between occupational exposure to Titanium dioxide and respiratory tract diseases.

Reproductive toxicity

Information of ingredients:

No reproductive toxicant according to MAK, California Proposition 65, TRGS 905 und (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.

Other information

No data available.



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

SDS Number: CK8516K(TR)-TA-UT-01-EN

Revision date:

Version: 01

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 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. Any disposal practice should be done under conditions which meet local, state and federal laws and regulations relating to waste (contact local or state environmental agency for specific rules).

SECTION 14: Transport information

14.1 UN-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.

Issue date:	21/05/2021
Effective date:	21/05/2021

IF IT WORX, IT'S

Replace version:





21/05/2021

Issue date:

Effective date:

Replace version:

Safety Data Sheet

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

SDS Number: CK8516K(TR)-TA-UT-01-EN

Revision date:

Version:

14.6 Special precautions for user

01

No additional information available.

14.7 Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code

Not applicable.

SECTION 15: Regulatory information

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

EU-regulations

Regulation (EC) No 1005/2009 (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 (Authorizations):

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.

74 Tri	umph-Adler		ORX, IT'S
	Document Business	ms	
	A KYOCERA GROUP COMPANY		ل ف لها ه
Safety Da according to F	Ita Sheet Regulation (EC) No 1907/2006 (REACH)		
-	CK8516K(TR)-TA-UT-01-EN	Issue date:	21/05/2021
Revision date:	:	Effective date:	21/05/2021
Version:	01	Replace version:	
SECTION 16:	Other information		
canno contai	best of our knowledge, the information co t assume any liability whatsoever for the a ned herein. The contents and format of the lo 1907/2006, Annex II as amended by Re	ccuracy or completeness of s SDS are in accordance wit	the information h Regulation
Revision inforr	nation: -		
Full text of H s	tatements under sections 3: H351: S	suspected of causing cancer	(inhalation)
Abbreviations an	nd acronyms		
ACGIH CAS CLP DFG EPA IARC MAK NTP OSHA PBT PEL Proposition 65 REACH STOT SVHC TRGS 905 TSCA TWA UN vPvB	American Conference of Governmental Industrial 2016 TLVs and BEIs (Threshold Limit Values for C Exposure Indices) Chemical Abstracts Service Regulation (EC) No 1272/2008 on classification, la Deutsche Forschungsgemeinschaft Environmental Protection Agency (Integrated Risk International Agency for Research on Cancer (IAF to Humans) Maximale Arbeitsplatzkonzentration der Deutsche National Toxicology Program (Report on Carcinog Occupational Safety and Health Administration (2) Persistent, Bio accumulative and Toxic Permissible Exposure Limits California, Safe Drinking Water and Toxic Enforce Regulation (EC) No 1907/2006 concerning the Re Chemicals Specific target organ toxicity Substances of Very High Concern Technische Regeln für Gefahrstoffe (Deutschland Toxic Substances Control Act (US) Time Weighted Average United Nations very Persistent and very Bio accumulative	Chemical Substances and Physical <i>J</i> abelling and packaging of substance (Information System) (US) (C Monographs on the Evaluations of n Forschungsgesellschaft (2011) (Part 1910 Subpart Z) (US) 9 CFR Part 1910 Subpart Z) (ment Act of 1986 (gistration, Evaluation, Authorization	es and mixtures of Carcinogenic Risks
WHMIS	Workplace Hazardous Materials Information Syste	em (Canada)	
 Pulmon: Toxicolo Inhalatio IARC M NIOSH Exposur The conditional conditions 	erences and sources for data ary Response to Toner upon Chronic Inhalation Exp ogy 17.280-299 (1991) Lung Clearance and Retentic on Exposure in Rats, B. Bellmann, Fundamental and onograph on the Evaluation of the Carcinogenic Ris CURRENT INTELLIGENCE BULLETIN "Evaluation re to Titanium Dioxide DRAFT" tents are in accordance with Material Safety Data S RA Document Solutions Inc., 1-2-28 Tamatsukuri, C	on of Toner, Utilizing a Tracer Techn Applied Toxicology 17.300-313 (19 k of Chemicals to Humans, Vol. 93 of Health Hazard and Recommenda heet "CK8516K(TR)-TA-UT-01-EN";	ique, during Chronic 91) ation for Occupational



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

SDS Number: CK8516M(TR)-TA-UT-01-EN

01



Revision date:

Version:

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

1.1	Product identifier	
	Product name	Magenta Toner for
		7307ci, 8307ci
	Consumable name	CK-8516M
	Product form	Mixture
1.2	Relevant identified us	ses 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	e 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.

7		h-Adler ent Business era group company			T WORX, IT'S
	ty Data Sho ing to Regulatio	eet n (EC) No 1907/2006 (RI	EACH)		
SDS Nu	umber: CK851	6M(TR)-TA-UT-01-EN		Issue date:	21/05/2021
Revision date:		Effective date	21/05/2021		
Versio	n: 01			Replace version	on:
SECTIC	N 3: Composi	tion/information on ing	gredients		
3.2	Mixtures		-		
0.2	Chemical name	9	CAS No	Weight%	Classification (CLP)
	Polyester resin	(3 kinds) including Manganese) nt ca	confidential 66402-68-4 confidential 7631-86-9 13463-67-7	70-80 5-10 (as Mn: < 3-8 1-5 < 1	. ,
	Information of ingredients (1) Substance, which present a health or environmental hazard within the meaning of CLP:				ne meaning of CLP:
	Titanium dioxide.				
	(2) Substance, which are assigned Community workplace exposure limits:				
		None.			
	(3) Substance, REACH:	which are PBT or vPvB	in accordance w	vith the criteria s	et out in Annex XIII of
		None.			
	(4) Substance, REACH (S)	which are included in th /HC):	e list established	l in accordance	with Article 59(1) of
		None.			
	See section 16	for the full text of the H	statements decla	ared above.	
SECTIC	ON 4: First aid	measures			
4.1	Description of	first aid measures			
	Inhalation:	Remove from exposure Consult a doctor in cas			
	Skin contact:	Wash with soap and wa	ater.		
	Eye contact:	Flush with water immed	diately and see a	doctor if irritatin	ng.
	Ingestion:	Rinse out the mouth. D Seek medical treatmen		glasses of water	to dilute.





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

SDS Number:	CK8516M(TR)-TA-UT-01-EN	Issue date:	21/05/2021
Revision date:		Effective date:	21/05/2021
Version:	01	Replace version:	

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. 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, CO₂ 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.





Effective date:

Replace version:

Safety Data Sheet

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

SDS Number: CK8516M(TR)-TA-UT-01-EN

Revision date:

Version: 01

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)

Titanium dioxide: 10 mg/m³

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/%SiO₂ Titanium dioxide: 15 mg/m³ (Total dust)

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.

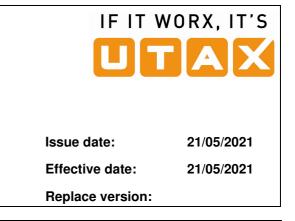
Personal protective equipment

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

Environmental exposure controls

No additional information available.





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

SDS Number: CK8516M(TR)-TA-UT-01-EN

Revision date:

Version: 01

SECTION 9: Physical and chemical properties

Information on basic physical and chemical properties		
Appearance		
Physical state	Solid (fine powder)	
Colour	Magenta	
Odour	Odourless	
Odour threshold	No data available.	
рН	No data available.	
Melting point [°C]	100-120 (Toner)	
Boiling point	No data available.	
Flash point	No data available.	
Evaporation rate	No data available.	
Flammability (solid, gas)	No data available.	
Upper flammability or explosive limit	No data available.	
Lower flammability or explosive limit	No data available.	
Vapour pressure	No data available.	
Vapour density	No data available.	
Relative density [g/cm3]	1.2-1.4 (Toner)	
Solubility (ies)	Almost insoluble in water.	
Partition coefficient: n-octanol/water	No data available.	
Auto-ignition temperature	No data available.	
Decomposition temperature	No data available.	
Viscosity	No data available.	
Explosive properties	No data available.	
Oxidizing properties	No data available.	

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.





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

SDS Number: CK8516M(TR)-TA-UT-01-EN

Revision date:

Version:

Replace version:

SECTION 10: Stability and reactivity

01

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

lı	Information on toxicological effects			
E	Based on available data, the classification criteria listed below are not met.			
A	Acute toxicity			
	Oral (LD_{50})	> 2000 mg/kg (rat)* (Toner) > 2000 mg/kg (rat)** (Carrier)		
	Dermal (LD_{50})	No data available. (Toner) No data available. (Carrier)		
	Inhalation $(LC_{50}(4hr))$	> 5.08 mg/l (rat)* (Toner)		
S	Skin corrosion/irritation			
	Acute skin irritation	Non-irritant (rabbit)* (Toner) Non-irritant (rabbit)** (Carrier)		
S	Serious eye damage/irritatio	n		
	Acute eye irritation	Mild irritant (rabbit)*. (Toner)		
F	Respiratory or skin sensitiza	ation		
	Skin sensitization	Non-sensitising (mouse)* (Toner) Non-sensitising** (Carrier)		



SDS Number: CK8516M(TR)-TA-UT-01-EN

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



Effective date:

Varalan 01

Revision date:

Safety Data Sheet

Poplago vorgion

versic	on: 01	Replace version:
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 accordi	ng to MAK, TRGS905 und (EC) No 1272/2008 Annex VI.
	Carcinogenicity	
	Information of ingredients:	
	Japan Association of	tential carcinogen (except Titanium dioxide) according to IARC, n Industrial Health, ACGIH, EPA, OSHA, NTP, MAK, California S 905 and (EC) No 1272/2008 Annex VI.
	humans) as the result of inha carcinogenicity (2). In the an tumour was observed only in lung clearance mechanism (Titanium dioxide does not oc	ium dioxide as a Group 2B carcinogen (possibly carcinogenic to alation exposure test in rats. But, oral/skin test does not show imal chronic inhalation studies for Titanium dioxide, the lung rats. It is estimated that this is attributed to the overload of rat's overload phenomenon) (3). The inhalation of excessive cur in normal use of this product. Also, epidemiological studies to evidence of the relation between occupational exposure to tory tract diseases.
	Reproductive toxicity	
	Information of ingredients:	
	No reproductive toxic (EC) No 1272/2008	cant according to MAK, California Proposition 65, TRGS 905 und 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.

Other information No data available.



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

SDS Number: CK8516M(TR)-TA-UT-01-EN

Revision date:

Version: 01

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 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. Any disposal practice should be done under conditions which meet local, state and federal laws and regulations relating to waste (contact local or state environmental agency for specific rules).

SECTION 14: Transport information

14.1 UN-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.

Issue date:	21/05/2021
Effective date:	21/05/2021

IF IT WORX, IT'S

Replace version:





21/05/2021

Issue date:

Effective date:

Replace version:

Safety Data Sheet

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

SDS Number: CK8516M(TR)-TA-UT-01-EN

Revision date:

Version: 01

14.6 Special precautions for user

No additional information available.

14.7 Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code

Not applicable.

SECTION 15: Regulatory information

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

EU-regulations

Regulation (EC) No 1005/2009 (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 (Authorizations):

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.

7 /2 T r	riumph-Adler		VORX, IT'S
	e Document Business	ms	
	A KYOCERA GROUP COMPANY		
	Data Sheet		
according to	o Regulation (EC) No 1907/2006 (REACH)		
SDS Numbe	r: CK8516M(TR)-TA-UT-01-EN	Issue date:	21/05/2021
Revision dat	te:	Effective date:	21/05/2021
Version:	01	Replace version:	
SECTION 16	: Other information		
SECTION TO	: Other Information		
canr cont	he best of our knowledge, the information contraction of assume any liability whatsoever for the a ained herein. The contents and format of the No 1907/2006, Annex II as amended by Reference of the second	ccuracy or completeness of s SDS are in accordance wi	the information th Regulation
Revision info	ormation: -		
Full text of H	I statements under sections 3: H351: S	Suspected of causing cancer	(inhalation)
Abbreviations	and acronyms		
ACGIH	American Conference of Governmental Industrial 2016 TLVs and BEIs (Threshold Limit Values for 0		Agents and Biological
CAS	Exposure Indices)		igonio ana Biological
CLP	Chemical Abstracts Service Regulation (EC) No 1272/2008 on classification, labelling and packaging of substances and mixtures		
DFG EPA	Deutsche Forschungsgemeinschaft 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)		
МАК	Maximale Arbeitsplatzkonzentration der Deutschen Forschungsgesellschaft (2011)		
NTP OSHA	National Toxicology Program (Report on Carcinogens) (US) Occupational Safety and Health Administration (29 CFR Part 1910 Subpart Z)		
PBT	Persistent, Bio accumulative and Toxic		
PEL Proposition 65	Permissible Exposure Limits California, Safe Drinking Water and Toxic Enforce	ment Act of 1986	
REACH	Regulation (EC) No 1907/2006 concerning the Re Chemicals	gistration, Evaluation, Authorization	and Restriction of
STOT	Specific target organ toxicity		
SVHC TRGS 905	Substances of Very High Concern Technische Regeln für Gefahrstoffe (Deutschland)	
TSCA	Toxic Substances Control Act (US))	
TWA UN	Time Weighted Average United Nations		
vPvB	very Persistent and very Bio accumulative		
WHMIS	Workplace Hazardous Materials Information Syste	em (Canada)	
	references and sources for data	e anno in Detailt. Maibhe at al - Eanad	
Toxic	onary Response to Toner upon Chronic Inhalation Exp ology 17.280-299 (1991) Lung Clearance and Retention	on of Toner, Utilizing a Tracer Techr	nique, during Chronic
	ation Exposure in Rats, B. Bellmann, Fundamental and Monograph on the Evaluation of the Carcinogenic Ris		991)
(3) NIOS	CH CURRENT INTELLIGENCE BULLETIN "Evaluation sure to Titanium Dioxide DRAFT"		ation for Occupational
(4) The c	contents are in accordance with Material Safety Data S CERA Document Solutions Inc., 1-2-28 Tamatsukuri, C		'; 21/05/2021 of the

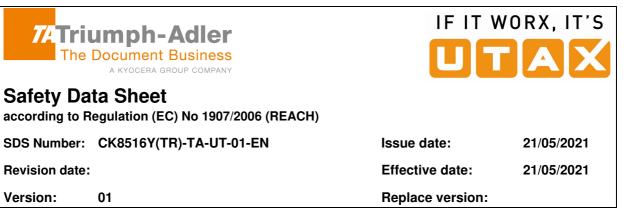


SDS Number: CK8516Y(TR)-TA-UT-01-EN

01

Revision date:

Version:



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

1.1	Product identifier		
	Product name	Yellow Toner for	
		7307ci, 8307ci	
	Consumable name	CK-8516Y	
	Product form	Mixture	
1.2	Relevant identified us	ses 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 supplie	er 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	e 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.			

7	Triumph-Adler The Document Business A KYOCERA GROUP COMPANY				
	ty Data Sh	eet n (EC) No 1907/2006 (R	EACH)		
SDS Number: CK8516Y(TR)-TA-UT-01-EN Is			Issue date:	21/05/2021	
Revision date:		Effective date	: 21/05/2021		
Versio	n: 01			Replace version	on:
SECTIO	N 3: Composi	tion/information on ing	aredients		
	-		grouionto		
3.2	Mixtures				
	Chemical name	2	<u>CAS No</u>	<u>Weight%</u>	Classification (CLP)
	Organic pigmer Amorphous sili	including Manganese) nt ca	confidential 66402-68-4 confidential 7631-86-9	70-80 5-10 (as Mn: < 3-8 1-5	
	Titanium dioxid		13463-67-7	< 1	Carc.2(H351)
	Information of (1) Substance,	which present a health	or environmenta	I hazard within t	he meaning of CLP:
		Titanium dioxide.			
	(2) Substance,	which are assigned Cor	nmunity workpla	ace exposure lim	its:
		None.			
	(3) Substance, REACH:	which are PBT or vPvB	in accordance v	vith the criteria s	et out in Annex XIII of
		None.			
	(4) Substance, REACH (S)	which are included in th VHC):	e list establishe	d in accordance	with Article 59(1) of
		None.			
	See section 16	for the full text of the H	statements decl	ared above.	
SECTIO	ON 4: First aid	measures			
4.1	Description of	first aid measures			
	Inhalation:	Remove from exposure	e to fresh air and	darale with nler	nty of water
		Consult a doctor in cas			
	Skin contact:	Wash with soap and wa	ater.		
	Eye contact:	Flush with water immed	diately and see a	a doctor if irritatir	ng.
	Ingestion:	Rinse out the mouth. D Seek medical treatmen		glasses of water	to dilute.





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

SDS Number:	CK8516Y(TR)-TA-UT-01-EN	Issue date:	21/05/2021
Revision date:		Effective date:	21/05/2021
Version:	01	Replace version:	

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. 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, CO₂ 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.





21/05/2021

Issue date:

Effective date:

Replace version:

Safety Data Sheet

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

SDS Number: CK8516Y(TR)-TA-UT-01-EN

Revision date:

Version: 01

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)

Titanium dioxide: 10 mg/m³

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/%SiO₂ Titanium dioxide: 15 mg/m³ (Total dust)

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.

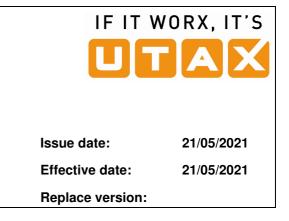
Personal protective equipment

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

Environmental exposure controls

No additional information available.





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

SDS Number: CK8516Y(TR)-TA-UT-01-EN

Revision date:

Version: 01

SECTION 9: Physical and chemical properties

Information on basic physical and chemical properties		
Appearance		
Physical state	Solid (fine powder)	
Colour	Yellow	
Odour	Odourless	
Odour threshold	No data available.	
рН	No data available.	
Melting point [°C]	100-120 (Toner)	
Boiling point	No data available.	
Flash point	No data available.	
Evaporation rate	No data available.	
Flammability (solid, gas)	No data available.	
Upper flammability or explosive limit	No data available.	
Lower flammability or explosive limit	No data available.	
Vapour pressure	No data available.	
Vapour density	No data available.	
Relative density [g/cm ³]	1.2-1.4 (Toner)	
Solubility (ies)	Almost insoluble in water.	
Partition coefficient: n-octanol/water	No data available.	
Auto-ignition temperature	No data available.	
Decomposition temperature	No data available.	
Viscosity	No data available.	
Explosive properties	No data available.	
Oxidizing properties	No data available.	

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.





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

SDS Number: CK8516Y(TR)-TA-UT-01-EN

Revision date:

Version:

Effective date: Replace version:

SECTION 10: Stability and reactivity

01

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 toxicological effects		
	Based on available data, the classification criteria listed below are not met.		
	Acute toxicity		
	Oral (LD ₅₀)	> 2000 mg/kg (rat)* (Toner) > 2000 mg/kg (rat)** (Carrier)	
	Dermal (LD ₅₀)	No data available. (Toner) No data available. (Carrier)	
	Inhalation $(LC_{50}(4hr))$	> 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 sensitization		
	Skin sensitization	Non-sensitising (mouse)* (Toner) Non-sensitising** (Carrier)	



SDS Number: CK8516Y(TR)-TA-UT-01-EN

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



Revision date:

Safety Data Sheet

Versio	n: 01	Replace version:		
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	according to MAK, TRGS905 und (EC) No 1272/2008 Annex VI.		
	Information of ingredients:			
	Japan Association on	ential carcinogen (except Titanium dioxide) according to IARC, Industrial Health, ACGIH, EPA, OSHA, NTP, MAK, California 905 and (EC) No 1272/2008 Annex VI.		
	humans) as the result of inhal carcinogenicity (2). In the anin tumour was observed only in r lung clearance mechanism (or Titanium dioxide does not occ	ted Titanium dioxide as a Group 2B carcinogen (possibly carcinogenic to ult of inhalation exposure test in rats. But, oral/skin test does not show In the animal chronic inhalation studies for Titanium dioxide, the lung ed only in rats. It is estimated that this is attributed to the overload of rat's hanism (overload phenomenon) (3). The inhalation of excessive es not occur in normal use of this product. Also, epidemiological studies to led any evidence of the relation between occupational exposure to d respiratory tract diseases.		
	Reproductive toxicity			
	Information of ingredients:			
No reproductive toxicant according to MAK, Califorr (EC) No 1272/2008 Annex VI.		ant according to MAK, California Proposition 65, TRGS 905 und nnex VI.		
	STOT-single exposure	No data available.		
	STOT-repeated exposure	No data available.		
	Aspiration hazard	No data available.		
	Chronic effects			
		halation 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.

No data available.

Other information



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

SDS Number: CK8516Y(TR)-TA-UT-01-EN

Revision date:

Version: 01

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 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. Any disposal practice should be done under conditions which meet local, state and federal laws and regulations relating to waste (contact local or state environmental agency for specific rules).

SECTION 14: Transport information

14.1 UN-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.

Issue date:	21/05/2021
Effective date:	21/05/2021

IF IT WORX, IT'S

Replace version:





21/05/2021

Issue date:

Effective date:

Replace version:

Safety Data Sheet

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

SDS Number: CK8516Y(TR)-TA-UT-01-EN

Revision date:

Version: 01

14.6 Special precautions for user

No additional information available.

14.7 Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code

Not applicable.

SECTION 15: Regulatory information

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

EU-regulations

Regulation (EC) No 1005/2009 (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 (Authorizations):

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.

	Document Business		VORX, IT'S					
	A KYOCERA GROUP COMPANY							
-	Safety Data Sheet according to Regulation (EC) No 1907/2006 (REACH)							
SDS Number:	CK8516Y(TR)-TA-UT-01-EN	Issue date:	21/05/2021					
Revision date:		Effective date:	21/05/2021					
Version:	01	Replace version:						
	•							
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) 2015/830 with respect to SDSs.								
Revision infor	mation: -							
Full text of H	statements under sections 3: H351: Su	spected of causing cancer	(inhalation)					
Abbreviations a	nd acronyms							
ACGIH	American Conference of Governmental Industrial Hy 2016 TLVs and BEIs (Threshold Limit Values for Ch Exposure Indices)		Agents and Biological					
CAS	Chemical Abstracts Service							
CLP DFG	Regulation (EC) No 1272/2008 on classification, lab Deutsche Forschungsgemeinschaft	elling and packaging of substanc	es and mixtures					
EPA Environmental Protection Agency (Integrated Risk Information Sys								
IARC	International Agency for Research on Cancer (IARC to Humans)	Monographs on the Evaluations	of Carcinogenic Risks					
MAK Maximale Arbeitsplatzkonzentration der Deutschen Forschungsgesellschaft (2011)								
NTPNational Toxicology Program (Report on Carcinogens) (US)OSHAOccupational Safety and Health Administration (29 CFR Part 1910 Subpart Z)								
PBT	Persistent, Bio accumulative and Toxic							
PEL Proposition 65	Permissible Exposure Limits California, Safe Drinking Water and Toxic Enforcem	ent Act of 1986						
REACH	Regulation (EC) No 1907/2006 concerning the Regi Chemicals		n and Restriction of					
STOT SVHC	Specific target organ toxicity Substances of Very High Concern							
TRGS 905	Technische Regeln für Gefahrstoffe (Deutschland)							
TSCA TWA	Toxic Substances Control Act (US) Time Weighted Average							
UN	United Nations							
vPvB WHMIS	very Persistent and very Bio accumulative 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, Utilizing a Tracer Technique, during Chronic Inhalation Exposure in Rats, B. Bellmann, Fundamental and Applied Toxicology 17.300-313 (1991)								
 IARC Monograph on the Evaluation of the Carcinogenic Risk of Chemicals to Humans, Vol. 93 NIOSH CURRENT INTELLIGENCE BULLETIN "Evaluation of Health Hazard and Recommendation for Occupational Evaluation of Devaluation of Health Hazard and Recommendation for Occupational 								
 Exposure to Titanium Dioxide DRAFT" (4) The contents are in accordance with Material Safety Data Sheet "CK8516Y(TR)-TA-UT-01-EN"; 21/05/2021 of the KYOCERA Document Solutions Inc., 1-2-28 Tamatsukuri, Chuo-ku, Osaka 540-8585, Japan. 								