

		stance/mixture	e and of t	he company/undertaki	ng
1.1. Product					
	e identification:	Ink Cortridge	Plack	T6204	
Trade	name:	Ink Cartridge,	DIACK	T6391	
	t identified uses of the s nmended use:	substance or mixt	ure and us	ses advised against	
	Ink for inkj				
1.3. Details c Compa	of the supplier of the saf any:	ety data sheet			
		JROPE B.V.			
	Zuidoost T	he Netherlands	•	dreef 5,1101 BA Amsterda	n
<u> </u>	Phone nur			20-314-5000	
	etent person responsible chemicals	@epson-europe.o			
Date:		14/11/2016			
Revisi	• • • •	1.0			
	ncy telephone number number:	+31-20-314-50	000		
	truf Berlin;	+48 (0) 30 30			
SECTION 2: Haz	ards identification				
	ation of the substance of				
	gulation criteria 1272/20				
	(CLP).	-		ng to Regulation EC 1272/	2008
	Adverse physicochemical, human health and environmental effects: No other hazards				
2.2. Label ele	2.2. Label elements				
The product is not classified as dangerous according to Regulation EC 1272/2008 (CLP). Hazard pictograms:					
	None				
	d statements:				
	None utionary statements:				
	None				
Special Provisions:					
EUH210 Safety data sheet available on request.					
Special provisions according to Annex XVII of REACH and subsequent amendments: None					
2.3. Other ha	azards				
vPvB Substances: None - PBT Substances: None					
	Hazards:				
	No other hazards				
SECTION 3: Composition/information on ingredients					
3.1. Substances					
No					
3.2. Mixtures					
Hazardous components within the meaning of the CLP regulation and related classification:					
Qty Na	ame	dent. Number		Classification	
				•	



65% ~ 80%	Water	CAS: EC:	7732-18-5 231-791-2	The product is not classified as dangerous according to Regulation EC 1272/2008 (CLP).
3% ~ 5%	Carbon black	CAS: EC:	1333-86-4 215-609-9	The product is not classified as dangerous according to Regulation EC 1272/2008 (CLP).
1% ~ 3%	2-(2-butoxyethoxy)etha nol; diethylene glycol monobutyl ether	Index number: CAS: EC:	603-096-00-8 112-34-5 203-961-6	3.3/2 Eye Irrit. 2 H319

SECTION 4: First aid measures

- 4.1. Description of first aid measures
 - In case of skin contact:
 - Wash with plenty of water and soap.
 - In case of eyes contact:

In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.

In case of Ingestion:

Do not under any circumstances induce vomiting. OBTAIN A MEDICAL EXAMINATION IMMEDIATELY.

In case of Inhalation:

Remove casualty to fresh air and keep warm and at rest.

- 4.2. Most important symptoms and effects, both acute and delayed
 - None
- 4.3. Indication of any immediate medical attention and special treatment needed Treatment: None

SECTION 5: Firefighting measures

- 5.1. Extinguishing media
 - Suitable extinguishing media:
 - Water.

Carbon dioxide (CO2).

Extinguishing media which must not be used for safety reasons: None in particular.

- 5.2. Special hazards arising from the substance or mixture
 - Do not inhale explosion and combustion gases. Burning produces heavy smoke.
- 5.3. Advice for firefighters
 - Use suitable breathing apparatus.

Collect contaminated fire extinguishing water separately. This must not be discharged into drains.

Move undamaged containers from immediate hazard area if it can be done safely.

SECTION 6: Accidental release measures

- 6.1. Personal precautions, protective equipment and emergency procedures Wear personal protection equipment. Remove persons to safety.
 - See protective measures under point 7 and 8.
 - See protective measures under point 7 a
- 6.2. Environmental precautions

Do not allow to enter into soil/subsoil. Do not allow to enter into surface water or drains.

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Retain contaminated washing water and dispose it.

In case of gas escape or of entry into waterways, soil or drains, inform the responsible authorities.

Suitable material for taking up: absorbing material, organic, sand

- 6.3. Methods and material for containment and cleaning up
 - Wash with plenty of water.
- 6.4. Reference to other sections See also section 8 and 13

SECTION 7: Handling and storage

7.1. Precautions for safe handling

- Avoid contact with skin and eyes, inhalation of vapours and mists. Do not eat or drink while working.
- See also section 8 for recommended protective equipment.
- 7.2. Conditions for safe storage, including any incompatibilities

Keep away from food, drink and feed. Incompatible materials:

- None in particular.
- Instructions as regards storage premises:
- Adequately ventilated premises.
- 7.3. Specific end use(s)
 - None in particular

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

- Carbon black CAS: 1333-86-4
 - OEL Type: ACGIH LTE: 3 mg/m3
 - OEL Type: NIOSH LTE: 3.5 mg/m3 STE: 1750 mg/m3
 - OEL Type: OSHA LTE: 3.5 mg/m3
- 2-(2-butoxyethoxy)ethanol; diethylene glycol monobutyl ether CAS: 112-34-5
- OEL Type: EU LTE: 67.5 mg/m3, 10 ppm STE: 101.2 mg/m3, 15 ppm DNEL Exposure Limit Values
 - No data available
- PNEC Exposure Limit Values
 - No data available
- 8.2. Exposure controls
 - Eye protection:

Not needed for normal use. Anyway, operate according good working practices.

- Protection for skin:
 - No special precaution must be adopted for normal use.
- Protection for hands:

Not needed for normal use.

- Respiratory protection:
 - Not needed for normal use.
- Thermal Hazards:
 - None
- Environmental exposure controls:

None

- Appropriate engineering controls:
 - None

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties Appearance and colour: Black Liquid

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Odour: Odour threshold: pH: Melting point / freezing point: Initial boiling point and boiling range: Solid/gas flammability: Upper/lower flammability or explosive limits: Vapour density: Flash point:

Evaporation rate: Vapour pressure: Relative density: Solubility in water: Solubility in oil: Partition coefficient (n-octanol/water): Auto-ignition temperature: Decomposition temperature: Viscosity: Explosive properties: Oxidizing properties: Dther information

9.2. Other information Miscibility: Fat Solubility: Conductivity:

SECTION 10: Stability and reactivity

- 10.1. Reactivity
- Stable under normal conditions 10.2. Chemical stability
 - Stable under normal conditions
- 10.3. Possibility of hazardous reactions None
- 10.4. Conditions to avoid Stable under normal conditions.
- 10.5. Incompatible materials None in particular.
- 10.6. Hazardous decomposition products None.

SECTION 11: Toxicological information

- 11.1. Information on toxicological effects
 - Toxicological information of the mixture: No data available

Toxicological information of the main substances found in the mixture:

Carbon black - CAS: 1333-86-4

a) acute toxicity:

Test: LD50 - Route: Dermal - Species: Rabbit > 3 g/kg - Source: Acute Toxicity Data. Journal of the American College of Toxicology, Part B. Vol. 15 Test: LD50 - Route: Oral - Species: Rat > 15400 mg/kg - Source: Acute Toxicity Data. Journal of the American College of Toxicology, Part B. Vol. 15 Carbon black - CAS: 1333-86-4

With excessive exposure, carbon black has been listed as a possible human carcinogen. However, as engineered within this ink cartridge, emissions to air of

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Slightly No data available 7.5 ~ 8.7 at 20 °C -16.4 °C No data available No data available No data available No data available Does not flash until 96 °C / 205 ° F (closed cup method, ASTM D 3278) No data available No data available 1.039 at 20 °C Complete No data available No data available No data available No data available < 5 mPa⋅s at 20 °C No data available No data available

No data available No data available 1.03 mS/cm



carbon black during normal printing use have not been found. IARC, the International Agency for Research on Cancer, has found printing inks to be not classifiable as human carcinogens.

If not differently specified, the information required in Regulation (EU) 2015/830 listed below must be considered as 'No data available':

- a) acute toxicity;
- b) skin corrosion/irritation;
- c) serious eye damage/irritation;
- d) respiratory or skin sensitisation;
- e) germ cell mutagenicity;
- f) carcinogenicity;
- g) reproductive toxicity;
- h) STOT-single exposure;
- i) STOT-repeated exposure;
- j) aspiration hazard.

SECTION 12: Ecological information

- 12.1. Toxicity
 - Adopt good working practices, so that the product is not released into the environment. No data available
- 12.2. Persistence and degradability No data available
- 12.3. Bioaccumulative potential No data available
- 12.4. Mobility in soil
 - No data available
- 12.5. Results of PBT and vPvB assessment vPvB Substances: None - PBT Substances: None
- 12.6. Other adverse effects None

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Recover if possible. In so doing, comply with the local and national regulations currently in force.

SECTION 14: Transport information

- 14.1. UN number
 - Not classified as dangerous in the meaning of transport regulations.
- 14.2. UN proper shipping name No data available
- 14.3. Transport hazard class(es)
 - No data available
- 14.4. Packing group
 - No data available
- 14.5. Environmental hazards No data available
- 14.6. Special precautions for user No data available
- 14.7. Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code No data available

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SECTION 15: Regulatory information

15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture Dir. 98/24/EC (Risks related to chemical agents at work) Dir. 2000/39/EC (Occupational exposure limit values) Regulation (EC) n. 1907/2006 (REACH) Regulation (EC) n. 1272/2008 (CLP) Regulation (EC) n. 790/2009 (ATP 1 CLP) and (EU) n. 758/2013 Regulation (EU) 2015/830 Regulation (EU) n. 286/2011 (ATP 2 CLP) Regulation (EU) n. 618/2012 (ATP 3 CLP) Regulation (EU) n. 487/2013 (ATP 4 CLP) Regulation (EU) n. 944/2013 (ATP 5 CLP) Regulation (EU) n. 605/2014 (ATP 6 CLP) Restrictions related to the product or the substances contained according to Annex XVII Regulation (EC) 1907/2006 (REACH) and subsequent modifications: Restrictions related to the product: No restriction. Restrictions related to the substances contained: No restriction. Where applicable, refer to the following regulatory provisions : Directive 2003/105/CE ('Activities linked to risks of serious accidents') and subsequent amendments. Regulation (EC) nr 648/2004 (detergents). 1999/13/EC (VOC directive)

Provisions related to directives 82/501/EC(Seveso), 96/82/EC(Seveso II):

No data available

15.2. Chemical safety assessment No

SECTION 16: Other information

Full text of phrases referred to in Section 3: H319 Causes serious eye irritation.

Hazard class and hazard category	Code	Description
Eye Irrit. 2	3.3/2	Eye irritation, Category 2

This safety data sheet has been completely updated in compliance to Regulation 2015/830. This document was prepared by a competent person who has received appropriate training. Main bibliographic sources:

ECDIN - Environmental Chemicals Data and Information Network - Joint Research Centre, Commission of the European Communities

SAX's DANGEROUS PROPERTIES OF INDUSTRIAL MATERIALS - Eight Edition - Van Nostrand Reinold

CCNL - Appendix 1

Insert further consulted bibliography

The information contained herein is based on our state of knowledge at the above-specified date. It refers solely to the product indicated and constitutes no guarantee of particular quality.

It is the duty of the user to ensure that this information is appropriate and complete with respect to the specific use intended.

This Safety Data Sheet cancels and replaces any preceding release.

ADR: European Agreement concerning the International Carriage of

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CAS:	Dangerous Goods by Road. Chemical Abstracts Service (division of the American Chemical Society).
CLP: DNEL:	Classification, Labeling, Packaging. Derived No Effect Level.
EINECS:	European Inventory of Existing Commercial Chemical Substances.
GefStoffVO: GHS:	Ordinance on Hazardous Substances, Germany. Globally Harmonized System of Classification and Labeling of
GH3.	Chemicals.
IATA:	International Air Transport Association.
IATA-DGR:	Dangerous Goods Regulation by the "International Air Transport Association" (IATA).
ICAO:	International Civil Aviation Organization.
ICAO-TI:	Technical Instructions by the "International Civil Aviation Organization" (ICAO).
IMDG:	International Maritime Code for Dangerous Goods.
INCI:	International Nomenclature of Cosmetic Ingredients.
KSt:	Explosion coefficient.
LC50:	Lethal concentration, for 50 percent of test population.
LD50:	Lethal dose, for 50 percent of test population.
LTE:	Long-term exposure.
PNEC:	Predicted No Effect Concentration.
RID:	Regulation Concerning the International Transport of Dangerous Goods by Rail.
STE:	Short-term exposure.
STEL:	Short Term Exposure limit.
STOT:	Specific Target Organ Toxicity.
TLV:	Threshold Limiting Value.
TWATLV:	Threshold Limit Value for the Time Weighted Average 8 hour day. (ACGIH Standard).
WGK:	German Water Hazard Class.