

1.1. Product identification	of the substance/mixture	e and of the company/undertaking
Mixture identificat	ion [.]	
Trade name:	Ink Cartridge	T639B
Trade code:	C13T639B00	
1.2. Relevant identified Recommended us	se:	ure and uses advised against
4.0 Details of the owned	Ink for inkjet printing	
	ier of the safety data sheet	
Company:	EPSON EUROPE B.V.	
		Hoogoorddreef 5,1101 BA Amsterdam
	Zuidoost The Netherlands	
	Phone number:	+31-20-314-5000
Competent perso	n responsible for the safety da	ata sheet:
	chemicals@epson.eu	
Date:	27/09/2021	
Revision:	2.1	
1.4. Emergency telepho		
Phone number:	+31-20-314-50	00
SECTION 2: Hazards iden	tification	
2.1. Classification of the		
	eria 1272/2008 (CLP)	
		us according to Regulation EC 1272/2008
(CLP).	5	5 5
Adverse physicoo No other ha	chemical, human health and e	nvironmental effects:
2.2. Label elements		
	t classified as dangerous acc	ording to Regulation EC 1272/2008 (CLP).
Hazard pictogram		
Hazard statement	ts:	
None		
Precautionary sta	tements:	
None		
Special Provision		
		droplets may be formed when sprayed. Do not
breathe spi		ro mucot
	afety data sheet available on	REACH and subsequent amendments:
None	s according to Annex Avir of i	ACT and subsequent amenuments.
2.3. Other hazards		
	endocrine disruptor substanc	es present in concentration >= 0.1%
Other Hazards: No other ha	azarda	
no other ha	aza1U5	
SECTION 3: Composition/	information on ingredien	te
3.1. Substances	in a second s	
No		
3.2. Mixtures		
Hazardous compo	onents within the meaning of	the CLP regulation and related classification:



Qty	Name	Ident. Number		Classification
50% ~ 65%	Water	CAS: EC:	7732-18-5 231-791-2	The product is not classified as dangerous according to Regulation EC 1272/2008 (CLP).
7% ~ 10%	titanium dioxide; [in powder form containing 1 % or more of particles with aerodynamic diameter <= 10 µm]	Index number: CAS: EC:	022-006-00-2 13463-67-7 236-675-5	3.6/2 Carc. 2 H351
1% ~ 3%	1,2-Hexanediol	CAS: EC:	6920-22-5 230-029-6	3.3/2 Eye Irrit. 2 H319
0.25% ~ 0.5%	Triethanol amine	CAS: EC:	102-71-6 203-049-8	The product is not classified as dangerous according to Regulation EC 1272/2008 (CLP).

This mixture contains >= 1% titanium dioxide (CAS 13463-67-7). The Annex VI classification of titanium dioxide does not apply to this mixture according to its Note 10.

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.

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Remove persons to safety. See protective measures under point 7 and 8. 6.2. Environmental precautions Do not allow to enter into soil/subsoil. Do not allow to enter into surface water or drains. 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. See also section 8 for recommended protective equipment. Advice on general occupational hygiene: Do not eat or drink while working. 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 titanium dioxide; [in powder form containing 1 % or more of particles with aerodynamic diameter <= 10 µm] - CAS: 13463-67-7 - OEL Type: ACGIH - TWA(8h): 10 mg/m3 Triethanol amine - CAS: 102-71-6 - OEL Type: ACGIH - TWA(8h): 5 mg/m3 **DNEL Exposure Limit Values** No data available **PNEC Exposure Limit Values** No data available 8.2. Exposure controls 8.2.1. Appropriate engineering controls: None 8.2.2. Individual protection measures, such as personal protective equipment Eye protection: Use personal protective equipment as required. Protection for skin: Use personal protective equipment as required. Protection for hands: Use personal protective equipment as required. Respiratory protection: Use personal protective equipment as required. Thermal Hazards: None 8.2.3. Environmental exposure controls: None

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Appropriate	engineering	controls:
None		

SECTION 9: Physical and chemical properties

- 9.1. Information on basic physical and chemical properties Physical state: Liquid Colour: White Odour: Slightly Melting point / freezing point: No data available Boiling point or initial boiling point and boiling range: No data available Non-flammable Flammability: Lower and upper explosion limit: No data available Flash point: Does not flash until 100 °C / 212 ° F (closed cup method, ASTM D 3278) No data available Auto-ignition temperature: Decomposition temperature: No data available pH: 8~92 at 25 °C Kinematic viscosity: No data available Solubility in water: Complete Vapour pressure: No data available Relative vapour density: No data available Particle characteristics: Not Relevant
- 9.2. Other information

Viscosity:

< 5 mPa·s at 25 °C

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 hazard classes as defined in Regulation (EC) No 1272/2008 Toxicological information of the product:
 - f) carcinogenicity:
 - Components do not come under carcinogens (Ref. 1), except for Titanium dioxide
 - g) reproductive toxicity:

Does not contain reproductive toxicity and developmental toxic substances (Ref. 2)

Toxicological information of the main substances found in the product:

- 1,2-Hexanediol CAS: 6920-22-5
 - a) acute toxicity:

Test: LD50 - Route: Oral - Species: Rat > 2500 mg/kg

Test: LD50 - Route: Dermal - Species: Rat > 2000 mg/kg

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b) skin corrosion/irritation:

Test: Skin Irritant - Species: Rabbit Mild irritant

c) serious eye damage/irritation:

Test: Eye Irritant - Species: Rabbit Moderate irritant

d) respiratory or skin sensitisation:

Test: Skin Sensitisation - Route: LLNA - Species: Mouse Non-sensitiser e) germ cell mutagenicity:

Test: Mutagenesis - Species: Salmonella Typhimurium and Escherichia coli Negative

Triethanol amine - CAS: 102-71-6

a) acute toxicity:

Test: LD50 - Route: Oral - Species: Guinea pig = 2200 mg/kg - Source: "Toxicometric Parameters of Industrial Toxic Chemicals Under Single Exposure," Izmerov, N.F., et al., Moscow, Centre of International Projects, GKNT, 1982Vol. -, Pg. 114, 1982.

Test: LD50 - Route: Oral - Species: Mouse = 5846 mg/kg - Source: Science Reports of the Research Institutes, Tohoku University, Series C: Medicine. Vol. 36(1-4), Pg. 10, 1989. - Notes: GASTROINTESTINAL: "HYPERMOTILITY, DIARRHEA" KIDNEY, URETER, AND BLADDER: OTHER CHANGES BEHAVIORAL: CONVULSIONS OR EFFECT ON SEIZURE THRESHOLD

If not differently specified, the information required in Regulation (EU)2020/878 listed below must be considered as N.A.:

- 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.

11.2. Information on other hazards
Endocrine disrupting properties:
No endocrine disruptor substances present in concentration >= 0.1%

SECTION 12: Ecological information

12.1. Toxicity

Adopt good working practices, so that the product is not released into the environment. Toxicological information of the product: No data available

Toxicological information of the main substances found in the product: 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. Endocrine disrupting properties
 - No endocrine disruptor substances present in concentration >= 0.1%
- 12.7. Other adverse effects None

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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 or ID 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. Maritime transport in bulk according to IMO instruments No data available

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) n. 2020/878 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) Regulation (EU) n. 2015/1221 (ATP 7 CLP) Regulation (EU) n. 2016/918 (ATP 8 CLP) Regulation (EU) n. 2016/1179 (ATP 9 CLP) Regulation (EU) n. 2017/776 (ATP 10 CLP) Regulation (EU) n. 2018/669 (ATP 11 CLP) Regulation (EU) n. 2018/1480 (ATP 13 CLP) Regulation (EU) n. 2019/521 (ATP 12 CLP) Regulation (EU) n. 2020/217 (ATP 14 CLP) Regulation (EU) n. 2020/1182 (ATP 15 CLP) Regulation (EU) n. 2021/643 (ATP 16 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: **Restriction 75** Where applicable, refer to the following regulatory provisions : Directive 2012/18/EU (Seveso III) Regulation (EC) nr 648/2004 (detergents). Dir. 2004/42/EC (VOC directive)

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Provisions related to directive EU 2012/18 (Seveso III): Seveso III category according to Annex 1, part 1 None

15.2. Chemical safety assessment No Chemical Safety Assessment has been carried out for the mixture.

SECTION 16: Other information

Full text of phrases referred to in Section 3: H351 Suspected of causing cancer if inhaled. H319 Causes serious eve irritation.

Hazard class and hazard category	Code	Description
Eye Irrit. 2	3.3/2	Eye irritation, Category 2
Carc. 2	3.6/2	Carcinogenicity, Category 2

This safety data sheet has been completely updated in compliance to Regulation 2020/878.

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

- ·IARC Monographs on the Evaluation Carcinogenic Risks to Humans (IARC: Ref. 1 International Agency for Research on Cancer) Journal of Occupational Health (JOH) (Japan Society of Occupational Health (JSOH)) •TLVs and BEIs (ACGIH: American Conference of Governmental Industrial Hygienists) IRIS Carcinogenic Assessment (IRIS: Integrated Risk Information System of US EPA) ·National Toxicology Program (NTP) Report on Carcinogens (USA) Annex VI of REGULATION (EC) No 1272/2008 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 16 December 2008 on classification, labelling and packaging of substances and mixtures, amending and repealing Directives 67/548/EEC and 1999/45/EC, and amending Regulation (EC) No 1907/2006 ·MAK und BAT Werte Liste (DFG: German Research Foundation) •TRGS 905, Verzeichnis krebserzeugender, keimzell mutagener oder reproduktionstoxischer Stoffe (AGS: Committee on Hazardous Substances, Germany)
- Annex VI of REGULATION (EC) No 1272/2008 OF THE EUROPEAN PARLIAMENT Ref. 2 AND OF THE COUNCIL of 16 December 2008 on classification, labelling and packaging of substances and mixtures, amending and repealing Directives 67/548/EEC and 1999/45/EC, and amending Regulation (EC) No 1907/2006 •TRGS 905, Verzeichnis krebserzeugender, keimzell mutagener oder reproduktionstoxischer Stoffe (AGS: Committee on Hazardous Substances, Germany)

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 Dangerous Goods by Road. Acute Toxicity Estimate ATE:

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ATEmix: CAS:	Acute toxicity Estimate (Mixtures) Chemical Abstracts Service (division of the American Chemical
CLP: DNEL:	Society). Classification, Labeling, Packaging. Derived No Effect Level.
EINECS: GefStoffVO:	European Inventory of Existing Commercial Chemical Substances. Ordinance on Hazardous Substances, Germany.
GHS:	Globally Harmonized System of Classification and Labeling of Chemicals.
IATA:	International Air Transport Association.
IATA-DGR:	Dangerous Goods Regulation by the "International Air Transport Association" (IATA).
ICAO:	International Civil Áviation 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.
PNEC:	Predicted No Effect Concentration.
RID:	Regulation Concerning the International Transport of Dangerous Goods by Rail.
STEL:	Short Term Exposure limit.
STOT:	Specific Target Organ Toxicity.
TLV:	Threshold Limiting Value.
TWA:	Time-weighted average
WGK:	German Water Hazard Class.