

Qty Name		Ident. Number		Clas	ssification	
	nponents withi	n the meaning of	the CLP	regulat	ion and related classificati	on:
No 3.2 Mixtures						
3.1. Substances	on/informatio	on on ingredier	nts			
vPvB Substan		T Substances: N	one			
2.3. Other hazards						
	ons according	to Annex XVII of	REACH	and sub	sequent amendments:	
None	010.					
None Special Provisi	ons:					
Precautionary	statements:					
Hazard statem None	ents:					
None						
		as dangerous acc	ording to	Regula	alloff EC 1272/2008 (CLP)	•
2.2. Label elements	not aloopitical -	a dongorova a	ording t-	Dogula	tion EC 1070/0000 (CLD)	
, ,	cochemical hu	man health and a	nvironme	ntal of	forts	
The pro			us accord	ding to	Regulation EC 1272/2008	
		or polyture				
		- (-, -) -				
	-					
		124 00 044 50	200			
Revision:		1.0				
Date [.]	chemicals		com			
Competent per				t:		
			+31	-20-314	-5000	
			Hoogoor	ddreef	5,1101 BA Amsterdam	
	oplier of the sat	ety data sheet				
			luie anu i	1363 at	iviseu agairist	
1.2. Relevant identifie	nd uses of the r	substance or mixt	turo and i		lyicod against	
		nne oaranago,	Oyun,	110	10022	
Trade name:		Ink Cartridge,	Cvan	110	T6022	
1.1. Product identifie Mixture identifi Trade name:		Ink Cartridge.	Cvan	110	T6022	
	 1.3. Details of the sup Company: Competent per Date: Revision: 1.4. Emergency telep Phone number Giftnotruf Berlin FION 2: Hazards ide 2.1. Classification of EC regulation of EC regulation of CLP). Adverse physic No other 2.2. Label elements The product is Hazard pictogr None Hazard statem None Precautionary None Special Provisi None 2.3. Other hazards vPvB Substand Other Hazards No other 1ION 3: Compositio 3.1. Substances No 3.2. Mixtures Hazardous cor 	 1.3. Details of the supplier of the sat Company: EPSON E Azie buildi Zuidoost T Phone nur Competent person responsibl chemicals Date: Revision: 1.4. Emergency telephone number Phone number: Giftnotruf Berlin; FION 2: Hazards identification 2.1. Classification of the substance of EC regulation criteria 1272/20 The product is not classi (CLP). Adverse physicochemical, hur No other hazards 2.2. Label elements The product is not classified a Hazard pictograms: None Hazard statements: None Precautionary statements: None Special Provisions: None Special provisions according None 2.3. Other hazards vPvB Substances: None - PB Other Hazards: No other hazards TION 3: Composition/informatio 3.1. Substances No 3.2. Mixtures Hazardous components within 	Ink for inkjet printing 1.3. Details of the supplier of the safety data sheet Company: EPSON EUROPE B.V. Azie building, Atlas ArenA, Zuidoost The Netherlands Phone number: Competent person responsible for the safety of chemicals@epson-europe. Date: 06/10/2016 Revision: 1.0 1.4. Emergency telephone number Phone number: +31-20-314-56 Giftnotruf Berlin; +48 (0) 30 3 7ION 2: Hazards identification 2.1. Classification of the substance or mixture EC regulation criteria 1272/2008 (CLP) The product is not classified as dangerod (CLP). Adverse physicochemical, human health and e No other hazards 2.2. Label elements The product is not classified as dangerous acc Hazard pictograms: None Hazard statements: None Special Provisions according to Annex XVII of None 2.3. Other hazards TION 3: Composition/information on ingredier 3.1. Substances No 3.2. Mixtures Hazardous components within the meaning of	Ink for inkjet printing 1.3. Details of the supplier of the safety data sheet Company: EPSON EUROPE B.V. Azie building, Atlas ArenA, Hoogoon Zuidoost The Netherlands Phone number: +31. Competent person responsible for the safety data sheet chemicals@epson-europe.com Date: 06/10/2016 Revision: 1.0 1.4. Emergency telephone number Phone number: +31-20-314-5000 Giftnotruf Berlin; +48 (0) 30 30686 790 FION 2: Hazards identification 2.1. Classification of the substance or mixture EC regulation criteria 1272/2008 (CLP) The product is not classified as dangerous accord (CLP). Adverse physicochemical, human health and environme No other hazards 2.2. Label elements The product is not classified as dangerous according to Hazard pictograms: None Hazard pictograms: None Special Provisions: None Special Provisions: None Cother Hazards Cother hazards CION 3: Composition/information on ingredients 3.1. Substances No 3.2. Mixtures Hazardous components within the meaning of the CLP	Ink for inkjet printing 1.3. Details of the supplier of the safety data sheet Company: EPSON EUROPE B.V. Azie building, Atlas ArenA, Hoogoorddreef Zuidoost The Netherlands Phone number: +31-20-314 Competent person responsible for the safety data sheet: chemicals@epson-europe.com Date: 06/10/2016 Revision: 1.0 1.4. Emergency telephone number Phone number: +31-20-314-5000 Giftnotruf Berlin; +48 (0) 30 30686 790 FION 2: Hazards identification 2.1. Classification of the substance or mixture EC regulation criteria 1272/2008 (CLP) The product is not classified as dangerous according to (CLP). Adverse physicochemical, human health and environmental ef No other hazards 2.2. Label elements The product is not classified as dangerous according to Regula Hazard pictograms: None Hazard statements: None Special Provisions: None Special provisions according to Annex XVII of REACH and sub None 2.3. Other hazards FION 3: Composition/information on ingredients 3.1. Substances No 3.2. Mixtures Hazardous components within the meaning of the CLP regulat	Ink for inkjet printing 1.3. Details of the supplier of the safety data sheet Company: EPSON EUROPE B.V. Azie building, Atlas ArenA, Hoogoorddreef 5,1101 BA Amsterdam Zuidoost The Netherlands Phone number: +31-20-314-5000 Competent person responsible for the safety data sheet: chemicals@epson-europe.com Date: 06/10/2016 Revision: 1.0 1.4. Emergency telephone number Phone number: +31-20-314-5000 Giftnotruf Berlin; +48 (0) 30 30686 790 TION 2: Hazards identification 2.1. Classification difference or mixture EC regulation criteria 1272/2008 (CLP) The product is not classified as dangerous according to Regulation EC 1272/2008 (CLP). Adverse physicochemical, human health and environmental effects: No other hazards 2.2. Label elements The product is not classified as dangerous according to Regulation EC 1272/2008 (CLP) Hazard pictograms: None Hazard statements: None Precautionary statements: None Special Provisions according to Annex XVII of REACH and subsequent amendments: None 3.3. Other hazards TION 3: Composition/information on ingredients 3.1. Substances No 3.2. Mixtures Hazardous components within the meaning of the CLP regulation and related 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).
10% ~ 12.5%	Glycerol	CAS: EC:	56-81-5 200-289-5	The product is not classified as dangerous according to Regulation EC 1272/2008 (CLP).
1% ~ 3%	Triethanol amine	CAS: EC:	102-71-6 203-049-8	The product is not classified as dangerous according to Regulation EC 1272/2008 (CLP).

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.
- 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. 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
 - Glycerol CAS: 56-81-5
 - OEL Type: OSHA LTE: 5 mg/m3 Notes: PEL, as mist, respirable fraction - OEL Type: OSHA - LTE: 15 mg/m3 - Notes: PEL, as mist, total dust
 - **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 chem	ical properties	
Appearance and colour:	Cyan Liquid	
Odour:	Slightly	
Odour threshold:	dour threshold: No data available	
pH:	7.8 ~ 9.2	at 20 °C
Melting point / freezing point:	-19.5 °C	

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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: 9.2. Other information

.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:
 - Glycerol CAS: 56-81-5
 - a) acute toxicity:

Test: LD50 - Route: Oral - Species: Guinea pig = 7750 mg/kg - Source: Journal of Industrial Hygiene and Toxicology. Vol. 23, Pg. 259, 1941 Test: LDLo - Route: Oral - Species: Human = 1428 mg/kg - Source: "Toxicology of Drugs and Chemicals," Deichmann, W.B., New York, Academic Press, Inc., 1969Vol. -, Pg. 288, 1969. - Notes: BEHAVIORAL: HEADACHE GASTROINTESTINAL: NAUSEA OR VOMITING

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.

No data available No data available No data available No data available > 120 °C / 248 ° F No data available No data available at 20 °C 1.048 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 No data available



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) 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

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
	Dangerous Goods by Road.
CAS:	Chemical Abstracts Service (division of the American Chemical
	Society).
CLP:	Classification, Labeling, Packaging.
DNEL:	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 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.