

Safety data sheet

Productname: Ink Cartridge, cyan
Date processed: 24.02.2026
Item number: 113528

System: MultiMax V8 & V12
Version (edit): 2
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SECTION 1: Name of the supplier

1.1 Details of the supplier

MAX Systems GmbH
Am Bauhof 12 | D-27442 Gnarrenburg
Tel.: +49 4763 94595 - 0
Fax: +49 4763 94595 - 11
E-Mail: info@maxsystems.de

1.2 Emergency number

Poison emergency number Berlin: +49 (0) 30 / 19 240

1.3 Product identifier

Ink Cartridge, cyan

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

Use of the substance/substance/mixture:

Inkjet Printing

Identified uses: Inkjet Printing

Restricted to professional users.

Uses advised against -

SECTION 2: Hazard Identification

2.1. Classification of the substance or mixture

This product is classified as hazardous according to CLP criteria.

Skin irritation-----Category 2

Serious eye damage-----Category 1

Reproductive toxicity----- Category 1B

2.2. GHS label elements, including precautionary statements

Pictograms:



GHS08
Health hazard



GHS05
Corrosion

Signal Word:

Danger

Hazard Statement:

Causes skin irritation.

Causes serious eye damage.

May damage fertility or the unborn child.

Precautionary statements — Prevention:

Do not handle until all safety precautions have been read and understood.

Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.

Wear protective gloves/protective clothing/eye protection/face protection.

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SECTION 2: Hazard Identification

Precautionary statements — Response:

IF ON SKIN: Wash with plenty of soap and water.

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

IF exposed or concerned: Get medical advice/attention.

2.3. Other hazards

Eyes: Causes severe eye injury which may persist for several days.
 Skin: Contact with skin may cause irritation, swelling or redness, allergic sensitization.
 Inhalation: Exposure to vapors (mist) may be harmful to the unborn child and at the risk of impaired fertility and irritate nose, throat/respiratory system.
 Ingestion: May cause injury of mouth, throat, and stomach.
 Chronic Health Hazards: Repeated skin contact may cause a persistent irritation or dermatitis.
 Carcinogenicity: None of the ingredients in this ink is listed by IARC as a carcinogen. (1,2A and 2B)
 Others: No information

SECTION 3: Composition/information on ingredients

3.1. Chemical nature: mixture

Composition	CAS No.	EC No.	EU registration No.	% By Weight	Classification EC No.1272/2008
Colorant	CBI	CBI	N/A for the moment	1-5	Not classified as hazardous
Diethylene glycol diethyl ether	112-36-7	203-963-7	01-2119969946-13	40-50	Skin Irrit. 2: H315
Dialkylene glycol dialkyl ether	CBI	CBI	01-2120283543-53	15-25	Not classified as hazardous
bis(2-(2-methoxyethoxy) ethyl) ether	143-24-8	205-594-7	01-2119958965-16	10-20	Repr. 1B: H360
γ-butyrolactone	96-48-0	202-509-5	01-2119471839-21	<20	Acute Tox. 4: H302 Eye Damage 1: H318 STOT Single Exp. 3: H336

† CBI: Confidential Business Information

‡ For the full text of the H-Statements mentioned in this Section, see Section 16.

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SECTION 4: First aid measures

4.1. Description of first aid measures

Eyes: In case of contact, immediately flush eyes with plenty of water for several minutes. Hold eyelids open during flushing. Call a physician.

Skin: In case of contact, immediately flush with plenty of water while removing contaminated clothing and shoes. Wash contaminated clothing before reuse. If swelling or redness occurs, call a physician.

Inhalation: If inhaled, remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Call a physician.

Ingestion: If swallowed, DO NOT induce vomiting. Seek immediate medical advice.

4.2. Most important symptoms and effects, both acute and delayed

Eyes: Causes severe eye injury which may persist for several days.

Skin: Contact with skin may cause irritation, swelling or redness, allergic sensitization.

Inhalation: Exposure to vapors (mist) may be harmful to the unborn child and at the risk of impaired fertility and irritate nose, throat/respiratory system.

Ingestion: May cause injury of mouth, throat, and stomach.

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

No information

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media

Dry chemical, Foam, Carbon dioxide, Dry sand, Loaded stream in spray.

Unsuitable extinguishing media:

Water, High-pressure water jet.

5.2. Special hazards arising from the substance or mixture

Hazardous decomposition products: Carbon monoxide, carbon dioxide, oxides of nitrogen, toxic gases/vapors.
Flash Point: > 71deg.C

5.3. Advice for firefighters

Wear special chemical protective clothing and positive pressure self-contained breathing apparatus (SCBA). Approach fire from upwind to avoid hazardous vapors and toxic decomposition products. Decontaminate or discard any clothing that may contain chemical residues. Applying direct water may be dangerous because fire may expand to surroundings.

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SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Evacuate personnel, thoroughly ventilate area, use self-contained breathing apparatus and wear appropriate personal protective equipment.

6.2. Environmental precautions

Wipe off spillage. Prevent liquid from entering sewers, waterways or low areas.

6.3. Methods and material for containment and cleaning up

Sweep up material and dispose as waste following local regulations.

6.4. Reference to other sections

Refer to "Section 8 Exposure controls/ personal protection" and "Section 13 Disposal consideration" as appropriate.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Avoid contact with eyes, skin and clothing. Use proper ventilation and no fire in work place. Put protection wear that has electrical conductivity in case of work. Keep out of reach of children and do not drink.

7.2. Conditions for safe storage, including any incompatibilities

Keep containers tightly closed. Do not store the product in high or freezing temperatures. Keep the product out of direct sunlight. Do not store the product with metals, amines, free radical initiators, oxidising agents.

7.3. Specific end use(s):

Inkjet Printing

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SECTION 8: Exposure controls/personal protection

8.1. Control parameters

Occupational Exposure Limits:

Derived No-Effect Level (DNEL)

- Diethylene glycol diethyl ether:

[Long term exposure] 50.05 mg/m³

[Short term exposure] no hazard identified

-γ-butyrolactone:

[Long term exposure] 130 mg/m³

[Short term exposure] 958 mg/m³

8.2. Exposure controls

Appropriate engineering controls

Provide general and/or local exhaust ventilation.

Respiratory protection:

Not required when sufficient ventilation is provided. In case of inadequate ventilation and exposure limits are exceeded or if irritation or other symptoms are experienced, use a NIOSH/MSHA or European Standard EN149 approved respirator (with activated carbon layer for organic vapour).

Hand protection:

Not required under suitable use as setting the ink on the printer. However, in case of direct contact to the ink, use protective gloves. Recommended impervious gloves is EN420/374 approved butyl rubber glove.

Eye protection:

Not required under suitable use as setting the ink on the printer. However, in case of direct contact to the ink, wear EN166 approved safety glasses.

Skin protection:

Not required under suitable use as setting the ink on the printer. However, in case of direct contact to the ink, wear protective clothing.

Hygiene measures:

Wash hands after handling. In case contact with clothing, wash before reuse. Do not eat, drink or smoke in handling or storage area.

Environmental exposure control:

Avoid release to the environment.

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SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Appearance:	Physical state: liquid Colour: blue
Odour:	slight odor
Odour threshold	Not defined
pH:	Not applicable
Melting point/freezing point:	No data available
Initial boiling point and boiling range:	No data available
Flash point:	> 71 °C
Evaporation rate:	No data available
Flammability (solid, gas):	Not applicable
Upper/lower flammability or explosive limits:	No data available
Vapor pressure:	No data available
Vapor density:	No data available
Relative density:	0.9-1.0
Solubility(ies):	Water solubility: Slightly soluble
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 No data available

SECTION 10: Stability and reactivity

10.1. Reactivity

No reactivity under normal temperature.

10.2. Chemical stability

Stable under normal temperature.

10.3. Possibility of hazardous reactions

Not expected.

10.4. Conditions to avoid

Elevated temperatures/heat, UV light, when not in use.

10.5. Incompatible materials

Avoid contact with acids, amines, free radical initiators, oxidizing agents.

10.6. Hazardous decomposition products

Carbon monoxide, carbon dioxide, oxides of nitrogen, toxic gases/vapors.

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SECTION 11: Toxicological information

11.1. Information on toxicological effects

Acute toxicity:

y-butyrolactone

LD50(oral): 1582mg/kgbw, LD50 (dermal): no data available, LD50 (Inhal.): LC50>5.1mg/L

Serious eye damage/eye irritation:

Causes serious eye damage.

- y-butyrolactone

Skin corrosion/irritation:

Causes skin irritation.

- Diethylene glycol diethyl ether

Respiratory or skin sensitisation:

no data available.

Germ cell mutagenicity:

no data available.

Reproductive toxicity:

May damage fertility or the unborn child.

- bis(2-(2-methoxyethoxy)ethyl) ether

Carcinogenicity:

None of the ingredients in this ink is listed by IARC as a carcinogen. (1, 2A and 2B)

Specific target organ toxicity - single exposure, (STOT-SE):

May cause drowsiness or dizziness.

- y-butyrolactone

Specific target organ toxicity - repeat exposure, (STOT-RE):

no data available.

Aspiration hazard:

no data available.

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SECTION 12: Ecological information

12.1. Toxicity:

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

Has not carried out PBT and vPvB assessment.

12.6. Other adverse effects

No data available

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Product:	Dispose as hazardous waste. Packaging with product residues must be disposed of under the same conditions as the product itself.
Recommended waste code:	08 03 12* (waste ink containing dangerous substances)
Uncleaned packaging:	15 01 10* (packaging, the residues of dangerous substances or hazardous waste contain or are contaminated by dangerous substances or special wastes)
Recommendation:	Uncontaminated packaging can be recycled. Non-cleanable packaging must be disposed of in the same way as the substance.

SECTION 14: Transport information

14.1. UN Class/UN Number

ADR/ADG/DOT, IMDG, or IATA : Not regulated

14.2. UN proper shipping name

ADR/ADG/DOT, IMDG, or IATA : Not regulated

14.3. Transport hazard class(es)

ADR/ADG/DOT, IMDG, or IATA : Not regulated

14.4. Packing group

ADR/ADG/DOT, IMDG, or IATA : Not regulated

14.5. Environmental hazards

ADR/ADG/DOT, IMDG, or IATA : Not regulated

14.6. Special precautions for user

ADR/ADG/DOT, IMDG, or IATA : Transport and storage of the product in accordance with general precautions and instructions mentioned in this SDS.

14.7. Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

Not regulated

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SECTION 15: Regulatory information

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

(EC) No 1907/2006 Authorisation: Not regulated
(EC) No 1907/2006 SVHC: Tetraethylene glycol dimethyl ether (CAS 143-24-8)
(EC) No 1005/2009: Not regulated
(EC) No 850/2004: Not regulated
(EU) No 649/2012: Not regulated

15.2. Chemical Safety Assessment

This product has not carried out any Chemical Safety Assessment yet.

SECTION 16: Other information

16.1. List of relevant H-Statements:

- H302: Harmful if swallowed.
- H315: Causes skin irritation.
- H318: Causes serious eye damage.
- H336: May cause drowsiness or dizziness.
- H360: May damage fertility or the unborn child.

SECTION 17: Warranty and liability

The data provided above represent our current empirical values. It is incumbent upon the purchaser to check if the product fits the designated purpose by his own before using it. As long as no legal regulations provide different informations, regarding the warranty and liability, all questions (including a warranty period for this product) are arranged by the general terms and conditions of sale which are currently in force. MAX Systems GmbH does not assume any warranty or liability regarding the workmanship/quality of the foils.