

## Safety Data Sheet

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

- 1.1. Product identifier:** EPSON Ink Pack, HDK T741X
- 1.2. Relevant identified uses of the substance or mixture and uses advised against:**  
Identified uses; Ink for Inkjet Printing
- 1.3. Details of the supplier of the safety data sheet:**  
**Manufacturer/Distributor:** SEIKO EPSON CORPORATION  
**Address:** 80 Harashinden, Hirooka,  
 Shiojiri-shi, Nagano-ken, 399-0785  
 JAPAN  
**TEL:** +81-263-52-2552 **FAX:** +81-263-53-3702  
**e-mail:** msds\_hro@exc.epson.co.jp  
**Date Prepared:** 23 February 2015  
**Revision:** A
- 1.4. Emergency telephone:** +81-263-52-2552 (Mon-Fri, 9AM-5PM JST)

### SECTION 2: Hazards identification

- 2.1. Classification of the mixture:**  
**2.1.1** Classification (EC) No 1272/2008; SKIN SENSITIZER; Hazard category 1, H317  
**2.1.2** Classification (1999/45/EC); Irritant with Xi; R43
- 2.2. Label elements:** Label in Accordance with (EC) No 1272/2008



- Symbols;**
- Signal word;** Warning
- Hazard statements;** H317 May cause an allergic skin reaction.
- Precautionary statements;**
- P261 Avoid breathing dust/mist/spray.
  - P272 Contaminated work clothing should not be allowed out of the workplace.
  - P280 Wear protective gloves/protective clothing/eye protection/face protection.
  - P302+P352 IF ON SKIN: Wash with plenty of soap and water.
  - P333+P313 If skin irritation or rash occurs: Get medical advice/attention.
  - P362+P364 Take off contaminated clothing and wash it before reuse.
  - P501 Dispose of contents/container to an appropriate treatment and disposal facility in accordance with applicable laws and regulations, and product characteristics at time of disposal.
- Contains;** C.I. Disperse Blue 360

#### 2.3. Other hazards:

Classification (PBT, vPvB (EC)No1907/2006); No data available

### SECTION 3: Composition/information on ingredients

#### Substance / Mixture: Mixture (Ink Composition)

Ink Composition	CAS No.	EEC No.	EU registration No.	% By Weight	EU Symbols	EU R-phrase	EU OELs	Hazard statements
Water	7732-18-5	231-791-2	Exemption	< 80	None	None	None	None
Glycerols	Trade secret	Trade secret	Exemption	15 - 20	None	None	None	None

Proprietary organic materials	Trade secret	Trade secret	Not available for the moment	10 - 15	None	None	None	None
Colorants	Trade secret	Trade secret	Not available for the moment	1 - 5	None	None	None	None
C.I. Disperse Blue 360	Not available	435-600-5	Not available for the moment	1 - 5	Xi	R11, R36, R43, R48/22, R53	None	H225, H317, H319, H373, H413
Triethanol amine	102-71-6	203-049-8	Not available for the moment	< 1	None	None	None	None

Please refer to the section 16, where the full text of each relevant R-phrase and Hazard statements.

#### SECTION 4: First aid measures

##### 4.1. Description of first aid measures:

**4.1.1. Eyes :** Immediately flush with room temperature, low pressure and clean water for at least 15 minutes. Seek medical attention if eye irritation continues.

**4.1.2. Skin :** Wash surface areas with soap and water. Wash soiled clothing before wearing again. Consult a physician if irritation continues.

**4.1.3. Inhalation :** Remove subject to ventilated fresh air. If not breathing, give artificial respiration right away. If breathing is difficult, give oxygen. Seek immediate medical attention.

**4.1.4. Ingestion :** Seek medical advice; and attention if stomach continues to be upset.

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

Skin: Ink contact with skin may cause irritation, swelling or redness.

**4.3. Indication of any immediate medical attention and special treatment needed:** Not necessary

#### SECTION 5: Fire-fighting measures

##### 5.1. Extinguishing Media

**5.1.1. Suitable extinguishing media:** Dry chemical , carbon dioxide or water.

**5.1.2. Unsuitable extinguishing media:** None

**5.2. Special hazards arising from the substance or mixture:** None

**5.3. Advice for firefighters:** No special fire fighting procedures are required other than breathing apparatus. No special explosion hazards are known.

#### SECTION 6: Accidental release measures

##### 6.1. Personal precautions, protective equipment and emergency procedures

**6.1.1. For non-emergency personnel:** Eye or Skin protection required during clean-up. Use proper ventilation.

**6.1.2. For emergency responders:** None

**6.2. Environmental precautions:** Do not release to sewer, surface- or ground-water.

##### 6.3. Methods and material for containment and cleaning up

**6.3.1. Advice on how to contain a spill:** Use sponges to wipe-up ink.

**6.3.2. Advice how to clean-up a spill:** Rinse area with damp cloth. Place waste in closed container for disposal. Wash hands with soap and water.

**6.3.3. Any other information:** Do not dispose of waste to the sewer.

**6.4. Reference to other sections:** None

#### SECTION 7: Handling and storage

##### 7.1. Precautions for safe handling

**7.1.1. Recommendations:** Keep out of reach of children and do not drink ink.

##### 7.1.2. Advice on general occupational hygiene:

Avoid contact with eyes or clothing. In the case of skin contact, wash with soap and water.

**7.2. Conditions for safe storage, including any incompatibilities:**

Do not store in high or freezing temperatures. Keep out of direct sunlight. Do not store with oxidizing agents or explosives.

**7.3. Specific end use(s):** Not specified

**SECTION 8: Exposure controls/personal protection**

**8.1. Control parameters:**

Glycerol(CAS No.56-81-5)

Italy: OELs

The 8-Hour TWA is: 10 mg/m<sup>3</sup> as mist

US: ACGIH Threshold Limit Values (2008)

The 8-Hour Exposure Limit (ELV-TWA) is: 10 mg/m<sup>3</sup> as mist

OSHA Table Z-1-A (29 CFR 1910.1000)(Revoked June 30, 1993)

OSHA Z-1 Permissible Exposure Limits(PEL) is: 5 mg/m<sup>3</sup> as mist, respirable fraction

OSHA Z-1 Permissible Exposure Limits(PEL) is: 15 mg/m<sup>3</sup> as mist, total dust

Australia: OELs

The Time Weighted Average is: 10 mg/m<sup>3</sup> as mist (inspirable dust)

**8.2. Exposure Controls**

**8.2.1. Appropriate engineering controls:** Proper ventilation, in prevention

**8.2.2. Individual protection measures, such as personal protective equipment**

**8.2.2.1. Use of personal protective equipment:**

Wear suitable protective equipment.

**8.2.2.2. Detailed specification on equipment to provide adequate and suitable protection**

**(a) eye/face protection:** Wear suitable eye/face protection.

**(b) skin protection: hand protection & others:**

Wear suitable glove and protective clothing.

**(c) respiratory protection:** Wear suitable respiratory protective equipment.

**(d) thermal hazards:** Not required under suitable use.

**8.2.3. Environmental exposure controls:** Not established

**SECTION 9: Physical and chemical properties**

**9.1. Information on basic physical and chemical properties**

<i>Appearance:</i>	Black Liquid
<i>Odour:</i>	Slightly
<i>Odour threshold:</i>	No data available
<i>pH:</i>	7.5 ~ 8.7 at 20°C
<i>Melting point / freezing point:</i>	No data available
<i>Initial boiling point and boiling range:</i>	No data available
<i>Flash point:</i>	Not detected until 100°C (Closed cup, ASTM D3278)
<i>Evaporation rate:</i>	No data available
<i>Flammability (solid, gas):</i>	Not applicable (liquid)
<i>Upper/lower flammability or explosive limits:</i>	No data available
<i>Vapor pressure:</i>	No data available
<i>Vapor density:</i>	No data available
<i>Relative density:</i>	No data available
<i>Solubility(ies):</i>	Complete
<i>Partition coefficient: n-octanol/water:</i>	No data available
<i>Auto-ignition temperature:</i>	No data available
<i>Decomposition temperature:</i>	No data available
<i>Viscosity:</i>	Less than 5 mPa·s at 20°C
<i>Explosive properties:</i>	None
<i>Oxidizing properties:</i>	None
<b>9.2. Other information:</b>	None

**SECTION 10: Stability and reactivity**

<b>10.1. Reactivity</b>	Stable under normal temperature
<b>10.2. Chemical stability</b>	Stable under normal temperature
<b>10.3. Possibility of hazardous reactions</b>	None
<b>10.4. Conditions to avoid</b>	High and freezing temperatures
<b>10.5. Incompatible materials</b>	Oxidizers and explosives
<b>10.6. Hazardous decomposition products</b>	Acrolein (CAS #107-02-8); When glycerols is heated over 300°C, it will decompose into acrolein.

**SECTION 11: Toxicological information**

<b>Acute toxicity:</b>	Not meet the criteria for classification according to EU Directive 1999/45/EC
<b>Irritation:</b>	<b>Eye:</b> Not meet the criteria for classification according to EU Directive 1999/45/EC
	<b>Skin:</b> Not meet the criteria for classification according to EU Directive 1999/45/EC
<b>Corrosivity:</b>	Not meet the criteria for classification according to EU Directive 1999/45/EC
<b>Sensitisation:</b>	<b>Skin:</b> Xi; R43 for classification according to EU Directive 1999/45/EC
<b>Carcinogenicity:</b>	Not meet the criteria for classification according to EU Directive 1999/45/EC
	Not contain any substances listed in IARC Monographs (1,2A and 2B)
<b>Mutagenicity:</b>	Not meet the criteria for classification according to EU Directive 1999/45/EC
	Positive (by Ames test)
<b>Toxicity for reproduction:</b>	Not meet the criteria for classification according to EU Directive 1999/45/EC

**SECTION 12: Ecological information**

<b>12.1. Toxicity:</b>	No data available
<b>12.2. Persistence and degradability:</b>	No data available
<b>12.3. Bioaccumulative potential:</b>	No data available
<b>12.4. Mobility in soil:</b>	No data available
<b>12.5. Results of PBT and vPvB assessment:</b>	Has not carried out PBT and vPvB assessment
<b>12.6. Other adverse effects:</b>	No data available

**SECTION 13: Disposal considerations**

<b>13.1. Waste treatment methods:</b>	Disposal should be in accordance with federal, state, and local requirements.
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**SECTION 14: Transport information**

<b>14.1. UN number</b>	Not applicable
<b>14.2. UN proper shipping name</b>	Not applicable
<b>14.3. Transport hazard class(es)</b>	Not applicable
<b>14.4. Packing group</b>	Not applicable
<b>14.5. Environmental hazards</b>	Not applicable
<b>14.6. Special precautions for user</b>	Not applicable
<b>14.7. Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code</b>	Not applicable

**SECTION 15: Regulatory information**

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

<b>EU Information:</b>	
Regulation (EC) No 2037/2000:	Is not subject
Regulation (EC) No 850/2004:	Is not subject
Regulation (EC) No 689/2008:	Is not subject
<b>US Information:</b>	
TSCA Section 4(a) Final Test Rules Regulated:	Not regulated
TSCA Section 5 Significant New Use Rule Regulation:	Not regulated

TSCA Section 8(a) Preliminary Assessment Information Rule (PAIR): Not regulated  
TSCA Section 12(b) One-Time Export Notification Regulated: Not regulated  
California Proposition 65: Not regulated

*Canada Information:*

WHMIS Controlled Product: Not available

*Australia Information:*

Statement of Hazardous Nature: Classified as Irritant according to criteria of NOHSC

*New Zealand Information:*

Hazardous Substances and New Organisms Act 1996:

Meet to Surface Coatings and Colourants (Subsidiary Hazard) Group Standard 2006 (HSR002670)

**15.2. Chemical safety assessment:** This ink has not carried out any Chemical Safety Assessment yet.

**SECTION 16: Other information**

*List of relevant R-phrases:*

R-11 Highly flammable  
R-36 Irritating to eyes  
R-43 May cause sensitization by skin contact  
R-48/22 Harmful: danger of serious damage to health by prolonged exposure if swallowed  
R-53 May cause long-term adverse effects in the aquatic environment

*List of relevant Hazard statements:*

H225 Highly flammable liquid and vapor.  
H317 May cause an allergic skin reaction.  
H319 Causes serious eye irritation.  
H373 May cause damage to organs through prolonged or repeated exposure.  
H413 May cause long lasting harmful effects to aquatic life.

*This "Safety Data Sheet" contains health, safety, and environmental information. It does not replace any precautionary language or use and disposal information which accompanies the product. The information contained herein is believed to be accurate at the time of preparation, but should only be used as a guide. It is subject to revision from time to time. EPSON does not warrant the completeness or accuracy of the information contained herein.*