



# MSDS

## 1 - COMMODITY AND COMPANY IDENTIFICATION

Product Name : **BCH ECO SOLVENT INK**  
Manufacturer Name : **BCH Technologies LLC**  
Add: 4925 West Market Street, Suite 1118-1129, Greensboro, North Carolina, 27407, U.S.A.  
Tel : 1-877-776-9686  
Email: info@bchtechnologies.com

## 2 - CHEMICAL COMPOSITION

Product Name	CAS No.	% In Weight	Remark
2-Ethoxyethyl ether	112-36-7	55 – 65 %	Xi
Dibutyl ether	142-96-1	10-20%	Xi
Proprietary resin		<5%	
Proprietary eyes and pigments		<5%	
Proprietary synthetic polymer		<15%	

## 3 - HAZARDOUS IDENTIFICATION

### 3.1 Classification of the substance or mixture

OSHA Hazards  
Combustible Liquid, Irritant

GHS Classification in accordance with 29 CFR 1910 (OSHA HCS)

Flammable liquids (Category 4)  
Skin irritation (Category 2), H315  
Eye irritation (Category 2A), H319

### 3.2 GHS Label elements, including precautionary statements Pictogram

Hazard statement(s)

H227 Combustible liquid  
H303 May be harmful if swallowed  
H315 Causes skin irritation.

H319 Causes serious eye irritation.

H335 May cause respiratory irritation.

Precautionary statement(s)

P261 Avoid breathing dust/ fume/ gas/ mist/ vapours/ spray.

P264 Wash skin thoroughly after handling.

P271 Use only outdoors or in a well-ventilated area.

P280 Wear protective gloves/ eye protection/ face protection.

P302 + P352 IF ON SKIN: Wash with plenty of soap and water.

P304 + P340 IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.

P305 + P351 + P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P312 Call a POISON CENTER or doctor/ physician if you feel unwell.

P321 Specific treatment (see supplemental first aid instructions on this label).

P332 + P313 If skin irritation occurs: Get medical advice/ attention.

P337 + P313 If eye irritation persists: Get medical advice/ attention.

P362 Take off contaminated clothing and wash before reuse.

3.3 Hazards not otherwise classified (HNOC) or not covered by GHS - none

## 4 – FIRE FIGHTING MEASURES

Flammability - Flash point is 37.8 °C (100 °F) Auto Ignition Point is 194.4 °C (382 °F)

Extinguishing Media - Dry chemical, carbon dioxide, foam, or water

Fire Fighting Instructions - No special fire fighting procedure is required other than breathing apparatus and PPE. No special explosion hazards are known.

## 5 – ACCIDENTAL RELEASE MEASURES

If a spill occurs, use damp cloth to wipe up ink. Place waste in closed container for disposal. Use proper ventilation.

Do not dispose waste to the sewer. Eye or skin protection required during cleanup. Wash hands with soap and water.

## 6 - FIRST AID MEASURES

Skin contact - Wash in soap and water and rinse with water

Eye contact - Wash immediately with water, opening eyelids.  
If irritation continues, see an ophtalmologist

Ingestion - Call a doctor in case of doubt or if symptorns persist

## 7 – HANDLING AND USE PRECAUTIONS

- Keep out of reach of children.
- Do not drink ink.
- Do not store in a high or freezing temperature.
- Avoid exposure to ambient temperature in excess of 45 °C (113 °F)
- Keep out of direct sunlight.
- Do not store with oxidizing agents or explosives.

- Store in ventilated area without direct/indirect flame.

## 8- SPECIAL PROTECTION METHOD

Respiratory protection	-	Niosh approved vapor respirators recommended.
Ventilation	-	Local exhaust ventilation or containment recommended California OEL for 2-Ethoxyethyl ether (CAS No. 112-36-7) 8 Hour TWA Exposure Value: 5ppm or 33 mg/m <sup>3</sup>
Protective groves	-	Recommended
Eye protection	-	Safty glasses recommended

## 9- TOXICOLOGICAL INFORMATION

Routes of Overexposure: Eye, skin, inhalation, and oral

Acute Health Hazards:

Overexposure of eye surface to ink may be mildly irritating

Overexposure of skin to ink contact may cause irritation and in some people swelling and redness

Intentional inhalation overexposure to ink vapors may result in respiratory tract irritation and anesthesia

Intentional or accidental oral ingestion may cause an upset stomach

Chronic Hazards: None known

Acute toxicity	-	Oral LD50	>	2500 mg/kg ( ORAL RAT)
Skin irritation	-	OCDE404	:	Non irritant
Eye irritant	-	OCDE405	:	Irritant

## 10 - ECOLOGICAL INFORMATION

No data available on the adverse effects of this material on the environment.

## 11 - HANDLING AND STORAGE

Handling - handling without causing dust

Storage - Product is stable under normal storage condition. Avoid exposure to ambient temperature in excess of 45 °C (113 °F)

## 12- TRANSPORTATION REQUIREMENTS

Not regulated as a Hazardous Material by DOT, IMO, or IATA

D.O.T. hazard classification (49 CFR 172) - None / Non-hazardous

D.O.T. labels required: None

Hazardous waste: Yes

I.A.T.A. Dangerous Goods Regulations: Non D.G.

## 13 – REGULATORY CONSIDERATIONS

FDA status - this product does not have FDA approval as a food additive

U.S. DOT Hazard Class Required? No

U.S. OSHA Inhalation Hazard? No

NFPA/HMIS Hazard Ration: Health (1) Flammability (2), Instability/Reactivity (0), Other (0)

EU RoHS compliant? Yes

EU Directive 1999/45/EC:	Does not meet criteria for dangerous classification
California Proposition 65:	No regulated
Canada WHMIS Controlled Product:	Not regulated

#### 14 – DISPOSAL CONSIDERATIONS

Disposal should be in accordance with federal, state, and local requirements

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#### **Reported by:**

Company Name : BCH Technologies

Date:5/21/2014

Authorized Person: Wen Dai

Signature: 

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