

**Section 1: IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND OF THE COMPANY/UNDERTAKING**

**1.1 Product identifier**

**Product name:** FUZE ECO PR4

**Trade Name:** FUZE ECO PR4

**Product type:** Liquid

**1.2 Relevant identified uses of the substance or mixture and uses advised against**

Ink.

**1.3 Details of the supplier of the safety data sheet**

Bordeaux Digital PrintInk Ltd.

P.O.B 13079

5 Hayarkon Street, Yavne 81227

ISRAEL

Tel: +972-8-9420398

[www.c-m-y-k.com](http://www.c-m-y-k.com)

**E-mail address of person responsible for this SDS:** [info@c-m--y-k.com](mailto:info@c-m--y-k.com)

**1.4 Emergency telephone number**

**Emergency telephone number (with hours of operation):** +972-8-9420398

**Section 2: HAZARDS IDENTIFICATION**

**2.1 Classification of the substance or mixture**

**Classification according to Directive 67/548/EEC (DSD) or 1999/45/EC**

<b>Product name</b>	<b>EU Classification</b>
FUZE ECO PR4	Xi; R41, R36/37/38 R67

**2.2 Label elements**

**Labelling in accordance with 1999/45 (DPD)**

**Hazard symbol(s):**

Xi - irritant



**Risk phrase(s):**

R41: Risk of serious damage to eyes.

R36/37/38: Irritating to eyes, respiratory system and skin.

R67: Vapours may cause drowsiness and dizziness.

**Safety phrase(s):**

S23: Do not breathe fumes/vapour.

S24/25: Avoid contact with skin and eyes.

S26 In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.

S37/39: Wear suitable gloves and eye/face protection.

**2.3 Other hazard**

None

**Section 3: COMPOSITION/INFORMATION ON INGREDIENTS**

**Substance/preparation:**

<b>Product/ Ingredient name</b>	<b>Identifiers</b>	<b>%</b>	<b>EU Classification</b>	<b>GHS Classification</b>
Bis(2-ethoxyethyl) ether	CAS number: 112-36-7 EC number: 203-963-7	20-35	Xi; R36	Eye Irrit. 2; H319
Dihydro-2(3H)-furanone	CAS number: 96-48-0 EC number: 202-509-5	10-25	Xn; R22 Xi; R41 R67	Acute Tox. 4; H302 Eye Dam. 1; H318 STOT SE 3; H336
Dialkylene Glycol Dialkyl Ether	Trade secrete	35-50	Xi; R36/37/38	Skin Irrit. 2; H315 Eye Irrit. 2; H319 STOT SE 3; H335

There are no additional ingredients present which, within the current knowledge of the supplier and in the concentrations applicable, are classified as hazardous to health or the environment and hence require reporting in this section.

Occupational exposure limits, if available, are listed in section 8.

**Section 4: FIRST AID MEASURES**

**4.1 Description of first aid measures**

**Eyes contact:** In case of contact with eyes rinse thoroughly with plenty of water for at least 15 minutes and seek medical advice.

**Skin contact:** In case of contact with skin wash off immediately with plenty of water, and seek medical advice.

**Inhalation:** Remove from exposure, lie down. If breathing is difficult, give oxygen. If not breathing, give artificial respiration. Get medical attention immediately.

**Ingestion:** If large quantities of this material are swallowed, call a physician immediately. Do not induce vomiting unless directed to do so by medical personnel. Never give a glassful of water by mouth to an unconscious person.

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

Irritating to eyes, respiratory system and skin. Symptoms can include stinging, redness, swelling and eye damage.

Vapours may cause drowsiness and dizziness.

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

**Notes to physician:** No specific antidote, contact Poisons Information Center. All treatments should be based on observed signs and symptoms of distress in the patient. Consideration should be given to the possibility that overexposure to materials other than this product may have occurred.

## **Section 5: FIRE-FIGHTING MEASURES**

### **5.1 Extinguishing media**

Suitable: Use water spray, alcohol resistant foam, dry chemical or carbon oxide.

Not suitable: N/A

### **5.2 Special hazards arising from the substance or mixture**

Thermal decomposition can lead to release of irritating and toxic fumes.

### **5.3 Advice for firefighters**

**Special protective equipment for fire fighters:** Fire fighters should wear full protective clothing and self-contained breathing apparatus in positive pressure mode.

Use water to keep fire-exposed containers cool.

## **Section 6: ACCIDENTAL RELEASE MEASURES**

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

Use personal protective equipment. Avoid breathing vapors, mist or gas. Ensure adequate ventilation. Remove all sources of ignition.

### **6.2 Environmental precautions**

Prevent entry into waterways, sewers, basements or confined areas.

### **6.3 Methods and materials for containment and cleaning up**

Contain spillage, and then collect with non-combustible absorbent material, (e.g. sand, earth, diatomaceous earth, vermiculite) and place in container for disposal according to local / national regulations.

Large spill: As for small spill

**Personal Protection in Case of Large Spill:** Safety glasses. Full suit. Suitable respirator. Boots. Gloves. A self-contained breathing apparatus should be used to avoid inhalation of the product.

### **6.4 Reference to other sections**

See Section 13 for additional waste treatment information.

## **Section 7: HANDLING AND STORAGE**

### **7.1 Precautions for safe handling**

**Handling:** Avoid contact with skin and eyes. Avoid inhalation of vapour or mist. Wash thoroughly after handling. Handle in accordance with good industrial hygiene and safety practice.

**Hygiene Measures:** Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed. Workers should wash hands and face before eating, drinking and smoking. Remove contaminated clothing and protective equipment before entering eating areas. See also section 8 for additional information measures.

### **7.2 Conditions for safe storage, including any incompatibilities**

**Storage:** Keep container tightly closed. Store in a cool, dry place, away from direct sunlight. Avoid freezing. Avoid exposure to ambient temperatures in excess of 50°C (122°F). Optimum prolonged storage temperature: 5°C (41°F) to 30°C (86°F). Keep away from strong oxidizing agents.

**7.3 Specific end use(s):** N/A

**Section 8: EXPOSURE CONTROL / PERSONAL PROTECTION**

**8.1 Control parameters**

**Occupational exposure limit values:** N/A

**8.2 Exposure controls**

**Engineering Measures**

Use process enclosures, local exhaust ventilation, or others engineering controls to keep airborne levels below recommend exposure limits. If user operations generate dust, fume or mist, use ventilation to keep exposure to airborne contaminants below the exposure limit.

**Person Protective measures**

Respiratory protection: Suitable respirator. Be sure to use approved/certified or equivalent equipment. Wear appropriate respirator when ventilation is inadequate.

Eye/face protection: Wear protective safety glasses, goggles.

Skin protection: Wear appropriate long-sleeved clothing to minimize skin contact.

Hand protection: Wear protective disposable gloves to prevent skin exposure.

**Environmental exposure controls:** N/A

**Section 9: PHYSICAL AND CHEMICAL PROPERTIES**

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

Appearance: Liquid

Odour: Moderate solvent odor

Odour threshold: N/A

pH: N/A

Melting point/Freezing point: N/A

Initial boiling point/boiling range: > 150°C

Flash point: > 71°C

Evaporation rate: N/A

Flammability: N/A

Upper/lower flammability or explosive limits: N/A

Vapor pressure: < 0.5 mmHg(20°C)

Vapor density: Heavier than air

Relative Density: 0.95-1.00 g/cm<sup>3</sup> (25°C)

Solubility(ies): Insoluble in water

Partition coefficient Octanol/Water: N/A

Auto-ignition temperature: N/A

Decomposition temperature: N/A

Viscosity: N/A

Explosive properties: N/A

Oxidizing properties: N/A

**9.2 Other information**

N/A

**Section 10: STABILITY AND REACTIVITY**

**10.1 Reactivity**

No specific test data related to reactivity available for this product or its ingredients

**10.2 Chemical stability**

The product is stable under normal handling and storage conditions described in Section 7.

**10.3 Possibility of hazardous reactions**

Under normal conditions of storage and use, hazardous reactions will not occur.

**10.4 Conditions to avoid**

Heat, sparks and open flame.

**10.5 Incompatible materials**

Strong oxidizing agents.

**10.6 Hazardous Decomposition products**

Not available

**Section 11: TOXICOLOGICAL INFORMATION**

**11.1 Information on toxicological effects**

**Acute toxicity:**

<b>Product/ingredient name</b>	<b>Test</b>	<b>Species</b>	<b>Dose</b>
Bis(2-ethoxyethyl) ether	LD50, Oral	Rat	4970 mg/kg
Dihydro-2(3H)-furanone	LD50, Oral	Rat	1540 mg/kg
	LC50, Inhalation	Rat	>5100 mg/m <sup>3</sup> /4H

**Irritation:** N/A

**Corrosivity:** N/A

**Sensitization:** N/A

**Repeated dose toxicity:** N/A

**Carcinogenicity:** N/A

**Mutagenicity:** N/A

**Toxicity for reproduction:** N/A

**Other information:** N/A

**Section 12: ECOLOGICAL INFORMATION**

**12.1 Toxicity:** N/A

**12.2 Persistence and Degradability:** N/A

**12.3 Bioaccumulative potential:** N/A

**12.4 Mobility in soil:** N/A

**12.5 Results of PBT and vPvB assessment:** N/A

**12.6 Other adverse effects:** N/A

**Section 13: DISPOSAL CONSIDERATIONS**

**13.1 Waste treatment methods**

**Product**

Waste must be disposed of in accordance with federal, state and local environmental control regulations.

**Packing**

Empty containers should be taken for local recycling, recovery or waste disposal.

**Section 14: TRANSPORT INFORMATION**

**14.1 Un number:**

ADR/RID: -

IMDG: -

IATA: -

**14.2 Proper shipping name:**

ADR/RID: Not regulated.

IMDG: Not regulated.

IATA: Not regulated.

**14.3 Transport hazard class(es)**

ADR/RID: -

IMDG: -

IATA: -

**14.4 Packing group**

ADR/RID: -

IMDG: -

IATA: -

**14.5 Environmental hazard**

Marine Pollutant: N/A

**14.6 Special precautions for user**

Not available

**Additional information**

ADR/RID: -

IMDG: -

IATA: -

**14.7 Transport to bulk according to Annex II of MARPOL 79/78 and the IBC Code**

Not available

**Section 15: REGULATORY INFORMATION**

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

EU Directives 67/548/EEC and 1999/45/EC (including amendments)

EU Regulation(EC) No.1907/2006 (REACH)

**15.2 Chemical safety assessment**

N/A

**Section 16: OTHER INFORMATION**

**Full text of R-phrases mentioned in sections 3**

Xn- harmful

Xi- irritant

R22: Harmful if swallowed.

R41: Risk of serious damage to eyes.

R36: Irritating to eyes.

R67: Vapours may cause drowsiness and dizziness.

R36/37/38: Irritating to eyes, respiratory system and skin.

**Full text of Hazards Statements referred to in section 3:**

Acute Tox.- acute toxicity

Eye irrit.- eye irritation

Eye dam.- eye damage

STOT SE- specific target organ toxicity- single exposure

Skin irrit.- skin irritation

H318: Causes serious eye damage.

H319: Causes serious eye irritation.

H302: Harmful if swallowed.

H336: May cause drowsiness or dizziness.

H335: May cause respiratory irritation.

H315: Causes skin irritation.

**National Fire Protection Association Hazard Ratings- NFPA (R):**

1 Health Hazard

2 Flammability

0 Instability Rating

**Training advice:** Before using/handling the product one must read carefully present MSDS.

**Recommended restriction:** N/A

Key Legend Information:

ACGIH- American Conference of Governmental Industrial Hygienists

OSHA- Occupational Safety and Health Administration

NTP- National Toxicology program

IARC- International Agency for Research on Cancer

ND- Not Determined

N/A- Not available

R-phrases- Risk phrases

S-phrases- Safety phrases

To the best of our knowledge the information contained herein is accurate. However, neither the above named supplier nor any of its subsidiaries assumes any liability whatsoever for the accuracy or completeness of the information contained herein. Final determination of suitability of any material is the sole responsibility of the user. All materials may present unknown hazards and should be used with caution. Although certain hazards are described herein, we cannot guarantee that these are the only hazards that exist