

**SECTION 1: Identification of the substance/mixture and of the company/undertaking****1.1. Product identifier**

Product form : Mixture  
Trade name : FUZE MX (VER2) - CYAN / MAGENTA / YELLOW / BLACK / FLUSH

**1.2. Relevant identified uses of the substance or mixture and uses advised against****1.2.1. Relevant identified uses**

Industrial/Professional use spec : Printing Ink  
Use of the substance/mixture : Printing Ink

**1.2.2. Uses advised against**

No additional information available

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

Bordeaux Digital PrintInk Ltd.  
5 Hayarkon Street  
81227 Yavne - ISRAEL  
T +972-8-9420398  
[info@c-m-y-k.com](mailto:info@c-m-y-k.com) - [www.c-m-y-k.com](http://www.c-m-y-k.com)

**1.4. Emergency telephone number**

Emergency number : 972-8-9321800

**SECTION 2: Hazards identification****2.1. Classification of the substance or mixture****Classification according to Regulation (EC) No. 1272/2008 [CLP]**

Skin corrosion/irritation, H315  
Category 2  
Serious eye damage/eye H318  
irritation, Category 1  
Germ cell mutagenicity, H340  
Category 1B  
Carcinogenicity, Category 1B H350  
Specific target organ toxicity H336  
— Single exposure, Category  
3, Narcosis  
Specific target organ toxicity H335  
— Single exposure, Category  
3, Respiratory tract irritation  
Full text of H statements : see section 16

**Adverse physicochemical, human health and environmental effects**

May cause cancer (None, to our knowledge). May cause genetic defects (None, to our knowledge). May cause drowsiness or dizziness. May cause respiratory irritation. Causes skin irritation. Causes serious eye damage.

**2.2. Label elements****Labelling according to Regulation (EC) No. 1272/2008 [CLP]**

Hazard pictograms (CLP) :



GHS07

Signal word (CLP) : Danger  
Hazardous ingredients : Dialkylene glycol dialkyl ether; gamma-butyrolactone; Solvent naphtha (petroleum)  
Hazard statements (CLP) : H315 - Causes skin irritation  
H318 - Causes serious eye damage  
H335 - May cause respiratory irritation  
H336 - May cause drowsiness or dizziness  
H340 - May cause genetic defects (if inhaled, If swallowed may cause discomfort, in contact

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### Precautionary statements (CLP)

with skin)  
H350 - May cause cancer (if inhaled, If swallowed may cause discomfort, in contact with skin)  
: P261 - Avoid breathing dust, fume, gas, mist, spray, vapours  
P264 - Wash face, hands thoroughly after handling  
P271 - Use only outdoors or in a well-ventilated area  
P272 - Contaminated work clothing should not be allowed out of the workplace  
P273 - Avoid release to the environment  
P280 - Wear eye protection, face protection, protective clothing, protective gloves  
P302+P352 - IF ON SKIN: Wash with plenty of Soap may be used, water  
P304+P340 - IF INHALED: Remove person to fresh air and keep 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 doctor, a POISON CENTER if you feel unwell  
P321 - Specific treatment (see Specific treatment is necessary on this label)  
P332+P313 - If skin irritation occurs: Get medical advice/attention  
P333+P313 - If skin irritation or rash occurs: Get medical advice/attention  
P337+P313 - If eye irritation persists: Get medical advice/attention  
P362+P364 - Take off contaminated clothing and wash it before reuse  
P403+P233 - Store in a cool, dry, well-ventilated place. Keep container tightly closed  
P405 - Store locked up  
P501 - Dispose of contents/container to hazardous or special waste collection point, in accordance with local, regional, national and/or international regulation

### 2.3. Other hazards

No additional information available

## SECTION 3: Composition/information on ingredients

### 3.1. Substance

Not applicable

### 3.2. Mixture

Name	Product identifier	%	Classification according to Regulation (EC) No. 1272/2008 [CLP]
Dialkylene glycol dialkyl ether		30 - 50	Eye Irrit. 2, H319 STOT SE 3, H335 Skin Irrit. 2, H315
gamma-butyrolactone	(CAS No) 96-48-0 (EC no) 202-509-5	10 - 30	Acute Tox. 4 (Oral), H302 Eye Dam. 1, H318 STOT SE 3, H336
ethyl 3-ethoxypropionate	(CAS No) 763-69-9 (EC no) 212-112-9	10 - 30	Flam. Liq. 3, H226 Eye Irrit. 2, H319
bis(2-ethoxyethyl)ether	(CAS No) 112-36-7 (EC no) 203-963-7	10 - 30	Eye Irrit. 2, H319
Solvent naphtha (petroleum) (Note P)	(CAS No) 64742-95-6 (EC no) 265-199-0 (EC index no) 649-356-00-4	< 5	Muta. 1B, H340 Carc. 1B, H350 Asp. Tox. 1, H304

Note P : The classification as a carcinogen or mutagen need not apply if it can be shown that the substance contains less than 0,1 % w/w benzene (EINECS No 200-753-7). When the substance is not classified as a carcinogen at least the precautionary statements (P102-)P260-P262- P301 + P310-P331 (Table 3.1) or the S-phrases (2-)23-24-62 (Table 3.2) shall apply. This note applies only to certain complex oil-derived substances in Part 3.

Full text of H-statements: see section 16

## SECTION 4: First aid measures

### 4.1. Description of first aid measures

First-aid measures general : If exposed or concerned: Get medical advice/attention.  
First-aid measures after inhalation : Remove person to fresh air and keep comfortable for breathing. Call a poison center or a doctor if you feel unwell.  
First-aid measures after skin contact : Wash skin with plenty of water. Take off contaminated clothing. If skin irritation occurs: Get medical advice/attention.  
First-aid measures after eye contact : Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Call a physician immediately.  
First-aid measures after ingestion : Call a poison center or a doctor if you feel unwell.

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

Symptoms/injuries : May cause drowsiness or dizziness.  
Symptoms/injuries after inhalation : May cause respiratory irritation.

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Symptoms/injuries after skin contact : Irritation.  
Symptoms/injuries after eye contact : Serious damage to eyes.

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

Treat symptomatically(vital functions, decontamination).

## SECTION 5: Firefighting measures

### 5.1. Extinguishing media

Suitable extinguishing media : Water spray. Dry powder. Foam. Carbon dioxide.

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

Fire hazard : Flammable liquid and vapour.  
Hazardous decomposition products in case of fire : Toxic fumes may be released.

### 5.3. Advice for firefighters

Protection during firefighting : Do not attempt to take action without suitable protective equipment. Self-contained breathing apparatus. Complete protective clothing.

## SECTION 6: Accidental release measures

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

#### 6.1.1. For non-emergency personnel

Emergency procedures : Only qualified personnel equipped with suitable protective equipment may intervene. Avoid breathing dust, fume, gas, mist, spray, vapours.

#### 6.1.2. For emergency responders

Protective equipment : Do not attempt to take action without suitable protective equipment. For further information refer to section 8: "Exposure controls/personal protection".

### 6.2. Environmental precautions

Avoid release to the environment. Notify authorities if product enters sewers or public waters.

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

Methods for cleaning up : Take up liquid spill into absorbent material. Notify authorities if product enters sewers or public waters.  
Other information : Dispose of materials or solid residues at an authorized site.

### 6.4. Reference to other sections

For further information refer to section 13.

## SECTION 7: Handling and storage

### 7.1. Precautions for safe handling

Precautions for safe handling : Ensure good ventilation of the work station. Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Take all necessary technical measures to avoid or minimize the release of the product on the workplace. Limit quantities of product at the minimum necessary for handling and limit the number of exposed workers. Provide local exhaust or general room ventilation. use personal protective equipment. Floors, walls and other surfaces in the hazard area must be cleaned regularly. Avoid breathing dust, fume, gas, mist, spray, vapours. Avoid contact with skin and eyes.  
Hygiene measures : Separate working clothes from town clothes. Launder separately. Wash contaminated clothing before reuse. Do not eat, drink or smoke when using this product. Always wash hands after handling the product.

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

Storage conditions : Store locked up. Store in a well-ventilated place. Keep container tightly closed. Keep cool.  
Maximum storage period : 12 months  
Storage temperature : 10 - 30 °C Humidity:25C-70C

### 7.3. Specific end use(s)

No additional information available

## SECTION 8: Exposure controls/personal protection

### 8.1. Control parameters

No additional information available

### 8.2. Exposure controls

Appropriate engineering controls : Ensure good ventilation of the work station.

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Hand protection	: Protective gloves
Eye protection	: Safety glasses
Skin and body protection	: Wear suitable protective clothing
Respiratory protection	: Wear respiratory protection
Environmental exposure controls	: Avoid release to the environment.

### SECTION 9: Physical and chemical properties

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

Physical state	: Liquid
Colour	: CMYK+CLEAR
Odour	: Mild odour.
Odour threshold	: No data available
pH	: No data available
Relative evaporation rate (butylacetate=1)	: No data available
Melting point	: Not applicable
Freezing point	: No data available
Boiling point	: > 175
Flash point	: > 65
Auto-ignition temperature	: No data available
Decomposition temperature	: No data available
Flammability (solid, gas)	: Not applicable
Vapour pressure	: No data available
Relative vapour density at 20 °C	: No data available
Relative density	: No data available
Solubility	: No data available
Log Pow	: No data available
Viscosity, kinematic	: No data available
Viscosity, dynamic	: No data available
Explosive properties	: No data available
Oxidising properties	: No data available
Explosive limits	: No data available

#### 9.2. Other information

No additional information available

### SECTION 10: Stability and reactivity

#### 10.1. Reactivity

Flammable liquid and vapour.

#### 10.2. Chemical stability

Stable under normal conditions.

#### 10.3. Possibility of hazardous polymerization

No dangerous reactions known under normal conditions of use.

#### 10.4. Conditions to avoid

None under recommended storage and handling conditions (see section 7).

#### 10.5. Incompatible materials

No additional information available

#### 10.6. Hazardous decomposition products

Under normal conditions of storage and use, hazardous decomposition products should not be produced.

### SECTION 11: Toxicological information

#### 11.1. Information on toxicological effects

Acute toxicity	: Not classified
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#### gamma-butyrolactone (96-48-0)

LD50 oral rat	1800 mg/kg (Rat; Equivalent or similar to OECD 401; Literature study; 1582 mg/kg bodyweight; Rat; Experimental value)
LC50 inhalation rat (mg/l)	> 5.1 mg/l/4h (Rat; Experimental value)

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<b>bis(2-ethoxyethyl)ether (112-36-7)</b>	
LD50 oral rat	4970 mg/kg (Rat; Literature study)
LD50 dermal rabbit	6100 mg/kg (Rabbit; Literature study)
<b>ethyl 3-ethoxypropionate (763-69-9)</b>	
LD50 oral rat	5000 mg/kg (Rat)
LD50 dermal rabbit	4076 mg/kg (Rabbit)
Skin corrosion/irritation	: Causes skin irritation.
Serious eye damage/irritation	: Causes serious eye damage.
Respiratory or skin sensitisation	: Not classified
Germ cell mutagenicity	: May cause genetic defects (if inhaled, If swallowed may cause discomfort, in contact with skin).
Carcinogenicity	: May cause cancer (if inhaled, If swallowed may cause discomfort, in contact with skin).
Reproductive toxicity	: Not classified
Specific target organ toxicity (single exposure)	: May cause drowsiness or dizziness. May cause respiratory irritation.
Specific target organ toxicity (repeated exposure)	: Not classified
Aspiration hazard	: Not classified

## SECTION 12: Ecological information

### 12.1. Toxicity

Ecology - general : The product is not considered harmful to aquatic organisms or to cause long-term adverse effects in the environment.

<b>Dialkylene glycol dialkyl ether</b>	
LC50 fish 1	> 1000 mg/l (LC50)
EC50 Daphnia 1	> 1000 mg/l (EC50)
<b>gamma-butyrolactone (96-48-0)</b>	
EC50 Daphnia 1	> 500 mg/l (EC50; EU Method C.2; 48 h; Daphnia magna; Static system; Fresh water; Experimental value)
Threshold limit algae 2	> 1000 mg/l (ErC50; DIN 38412-9; 72 h; Desmodesmus subspicatus; Static system; Fresh water; Experimental value)
<b>bis(2-ethoxyethyl)ether (112-36-7)</b>	
LC50 fish 1	10000 mg/l (LC50; US EPA; 96 h; Alburnus alburnus; Static system)
EC50 Daphnia 1	6600 mg/l (LC50; US EPA; 96 h; Crustacea; Static system)
<b>ethyl 3-ethoxypropionate (763-69-9)</b>	
LC50 fish 1	143.63 mg/l (LC50; 96 h; Salmo gairdneri)
LC50 fish 2	149.83 mg/l (LC50; 96 h; Lepomis macrochirus)
EC50 Daphnia 1	123.4 mg/l (LC50; 96 h)

### 12.2. Persistence and degradability

<b>Dialkylene glycol dialkyl ether</b>	
Persistence and degradability	Not readily biodegradable in water. No (test)data on mobility of the substance available.
<b>gamma-butyrolactone (96-48-0)</b>	
Persistence and degradability	Readily biodegradable in water. Biodegradable in the soil. Highly mobile in soil.
ThOD	1.67 g O <sub>2</sub> /g substance
<b>bis(2-ethoxyethyl)ether (112-36-7)</b>	
Persistence and degradability	Not readily biodegradable in water. Highly mobile in soil. Photolysis in the air.
Biochemical oxygen demand (BOD)	0.10 g O <sub>2</sub> /g substance (10d)
ThOD	2.17 g O <sub>2</sub> /g substance
BOD (% of ThOD)	0.046 (10 days; Literature study)
<b>ethyl 3-ethoxypropionate (763-69-9)</b>	
Persistence and degradability	Readily biodegradable in water.

### 12.3. Bioaccumulative potential

<b>Dialkylene glycol dialkyl ether</b>	
Log Pow	0.42 (Literature study)
Bioaccumulative potential	Low potential for bioaccumulation (Log Kow < 4).

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<b>gamma-butyrolactone (96-48-0)</b>	
BCF other aquatic organisms 1	3.16 (BCF; BCFBAF v3.00)
Log Pow	-0.566 (Experimental value; OECD 107: Partition Coefficient (n-octanol/water): Shake Flask Method; 25 °C)
Bioaccumulative potential	Low potential for bioaccumulation (Log Kow < 4).

<b>bis(2-ethoxyethyl)ether (112-36-7)</b>	
BCF fish 1	3 (BCF)
Log Pow	0.39 (Experimental value)
Bioaccumulative potential	Low potential for bioaccumulation (Log Kow < 4).

<b>ethyl 3-ethoxypropionate (763-69-9)</b>	
Log Pow	1.25 (Calculated)
Bioaccumulative potential	Low potential for bioaccumulation (Log Kow < 4).

### 12.4. Mobility in soil

<b>gamma-butyrolactone (96-48-0)</b>	
Surface tension 28 mN/m at 20 °C	0.046 N/m (-43 °C)
Log Koc	log Koc, Other; 0.54 - 0.81; Calculated value
<b>bis(2-ethoxyethyl)ether (112-36-7)</b>	
Surface tension 28 mN/m at 20 °C	0.0357 N/m (-44 °C)
Log Koc	log Koc, 1.6; Calculated value

### 12.5. Results of PBT and vPvB assessment

No additional information available

### 12.6. Other adverse effects

No additional information available

## SECTION 13: Disposal considerations

### 13.1. Waste treatment methods

Waste treatment methods : Dispose of contents/container in accordance with licensed collector's sorting instructions.

## SECTION 14: Transport information

In accordance with ADR / RID / IMDG / IATA / ADN

### 14.1. UN number

UN-No. (ADR) : Not applicable  
UN-No. (IMDG) : Not applicable  
UN-No. (IATA) : Not applicable  
UN-No. (ADN) : Not applicable  
UN-No. (RID) : Not applicable

### 14.2. UN proper shipping name

Proper Shipping Name (ADR) : Not applicable  
Proper Shipping Name (IMDG) : Not applicable  
Proper Shipping Name (IATA) : Not applicable  
Proper Shipping Name (ADN) : Not applicable  
Proper Shipping Name (RID) : Not applicable

### 14.3. Transport hazard class(es)

#### ADR

Transport hazard class(es) (ADR) : Not applicable

#### IMDG

Transport hazard class(es) (IMDG) : Not applicable

#### IATA

Transport hazard class(es) (IATA) : Not applicable

#### ADN

Transport hazard class(es) (ADN) : Not applicable

#### RID

Transport hazard class(es) (RID) : Not applicable

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### 14.4. Packing group

Packing group (ADR)	: Not applicable
Packing group (IMDG)	: Not applicable
Packing group (IATA)	: Not applicable
Packing group (ADN)	: Not applicable
Packing group (RID)	: Not applicable

### 14.5. Environmental hazards

Dangerous for the environment	: No
Marine pollutant	: No
Other information	: No supplementary information available

### 14.6. Special precautions for user

#### - Overland transport

No data available

#### - Transport by sea

No data available

#### - Air transport

No data available

#### - Inland waterway transport

No data available

#### - Rail transport

No data available

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

Not applicable

## SECTION 15: Regulatory information

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

#### 15.1.1. EU-Regulations

Contains no REACH substances with Annex XVII restrictions

Contains no substance on the REACH candidate list

Contains no REACH Annex XIV substances

#### 15.1.2. National regulations

No additional information available

### 15.2. Chemical safety assessment

No chemical safety assessment has been carried out

## SECTION 16: Other information

Other information	: The data are based on the current state of our best knowledge, and are intended to describe the product with regard to the requirements of safety. The data should not be taken to imply any guarantee of a particular or general specification. It is the responsibility of the user of the product to ensure to his satisfaction that the product is suitable for the intended purpose and method to use. We do not accept responsibility for any harm caused by the use of this information. Furthermore nothing contained herein shall be construed as a recommendation to use any product in conflict with existing patents covering any material or its use. In all cases, our general conditions of sale apply.
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Full text of H- and EUH-statements:

Acute Tox. 4 (Oral)	Acute toxicity (oral), Category 4
Asp. Tox. 1	Aspiration hazard, Category 1
Carc. 1B	Carcinogenicity, Category 1B
Eye Dam. 1	Serious eye damage/eye irritation, Category 1
Eye Irrit. 2	Serious eye damage/eye irritation, Category 2
Flam. Liq. 3	Flammable liquids, Category 3
Muta. 1B	Germ cell mutagenicity, Category 1B

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Skin Irrit. 2	Skin corrosion/irritation, Category 2
STOT SE 3	Specific target organ toxicity — Single exposure, Category 3, Respiratory tract irritation
STOT SE 3	Specific target organ toxicity — Single exposure, Category 3, Narcosis
H226	Flammable liquid and vapour
H302	Harmful if swallowed
H304	May be fatal if swallowed and enters airways
H315	Causes skin irritation
H318	Causes serious eye damage
H319	Causes serious eye irritation
H335	May cause respiratory irritation
H336	May cause drowsiness or dizziness
H340	May cause genetic defects
H350	May cause cancer

SDS EU (REACH Annex II)

*This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product*