

Complying with 1907/2006/EEC Regulation of 18 December 2006 ("REACH Regulation") and REGULATION (EC) No 1272/2008 (CLP)

Section 1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND OF THE COMPANY/UNDERTAKING

1.1 Product identifier

Product name: Fuze Nr V4.1 (Former PENR)

Trade Name: Fuze Nr V4.1

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

E-mail address of person responsible for this SDS: 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

Product name	EU Classification
Prime PeNr V4.1	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:

Product/ Ingredient name	Identifiers	%	EU Classification	GHS Classification
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	5-12	Xn; R22 Xi; R41 R67	Acute Tox. 4; H302 Eye Dam. 1; H318 STOT SE 3; H336
Dibasic ester	Trade secrete	15-25	Trade secrete	None
Dialkylene Glycol Dialkyl Ether	Trade secrete	20-30	Trade secrete	None
Pigment	Trade secrete	0.5-5	Trade secrete	None
Dispersant	Trade secrete	0.2-5	Trade secrete	None
Resin mixture	Trade secrete	1-6	Trade secrete	None

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/cm³ (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:

Product/ingredient name	Test	Species	Dose
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 ³ /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.