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Postal Address: P.O. Box 71121, Victoria Island, Lagos. Nigeria

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## MATERIAL SAFETY DATA SHEET

### 1. IDENTIFICATION OF SUBSTANCE AND COMPANY

**Product Name** : OLAM GRAVURE BOPP INKS  
**SHADE:**  
**Intended use** : Printing on BOPP.  
**Company details** : OLYMPIC INKS. LTD.  
Veepee Ind. Avenue, Km38 Lagos Abeokuta Exp. Way,  
Sango Ota  
Ogun State , Nigeria

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### 2. Physical Description/Properties

#### **General Information**

Form : liquid  
Colour : According to product specification  
Smell : Characteristic

#### **Change in condition**

Melting point / Melting range : Not determined  
Boiling Point / Boiling range : 78°C  
Flash Point : 5°C  
Ignition Temperature : 230°C  
Self-inflammability : Product is not self-igniting.  
Danger of explosion : Product is not explosive.

#### **Critical values for explosion**

Lower : 1.1 Vol %  
Upper : 12.0 Vol %  
Stem pressure at 20°C : 47 hPa

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Solubility in / Miscibility with :  
Water : Immiscible  
Solvent Content  
Organic Solvent : 50-60 %

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### **3. Composition / Data on Ingredients:**

Chemical Characterization

Ingredients	Risk Phenomeno	CAS Number	Composition
Pigment	R10 15	7429-90-5	9-11 %
Downol PMA	R11	107-98-2	8-15%
Ethyl acetate	R11	141-78-6	40-50 %
Iso propyl Alcohol	R11	141-78-6	15-25 %
Nitro Cellulose	Highly Flameable	9004-70-0	9-10%

### **4. Transport information**

**Road transport** :  
ADR : Non-Hazardous goods.  
RID : Non-Hazardous goods.  
ADR / RID-GGVS/E Class : 3 Flammable liquids.  
UN-Number : 1210  
Packaging group : III  
Label : 3  
Designation of goods : 1210, liquied inks  
Remark : good of class 3

### **Inland waterways transport** :

ADNR : Non-Hazardous goods.

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**Marine transport** :

IMDG/UN : Non-Hazardous goods

IMDG/ GGVe Class : 3

UN Number : 1210

Label : 3

Packaging group : III

Marine Pollutant : Yes

Correct Technical name : ink

**Air transport** :

ICAO/IATA-DGR : Non-Hazardous goods

Class : 3

UN / ID Number : 1263

Label : 3

Packaging Group : III

Correct technical Name : ink

**Dispatch by post** : permitted.

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### **5. Health Hazard Information**

Flammable liquid. Adverse health effects are caused by inhaling, contact with skin and ingestion.

Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

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### **6. First Aid**

If poisoning occurs, contact a doctor or Poisons Information Center.

**Swallowed:** If swallowed and if more than 15 minutes from a hospital, induce vomiting preferably using Ipecac Syrup APF.

**Skin:** Wash thoroughly with mild soap and water. Remove contaminated clothing and launder before reuse.

**Eye:** Hold eyes open, flood with water for at 15 minutes. Seek medical attention if irritation persists.

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**Inhaled:** Remove patient to fresh air and to rest. Apply artificial respiration if not breathing.

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## **7. FIRE-FIGHTING MEASURES**

**Suitable extinguishing media:** Water spray jet, foam, carbon dioxide, Dry powder

**Not to be used:** Water

Danger caused by substance

Risk of explosion of partly filled containers. Danger of intoxication through vapors and smoke gas.

### **Special protection measures**

Oxygen mask might be required. Cool closed and overheated containers with water spray.

Do not allow extinguishing water to drain into the sewage system, the soil or surface waters. Ensure adequate retention facilities for the extinguishing. Contaminated extinguishing water and soil must be disposed of in accordance with the appropriate local regulation.

Protective equipment: No special measures required.

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## **8. Accidental release measures**

Wear protective equipment. Keep unprotected person away.

### **Measure for environmental:**

Inform respective authorities in case product reaches water or sewage system.

Prevent contamination of soil, drains and surface water.

### **Cleaning method:**

Pick up absorbent material (sand, acid binder, saw dust), when picked up, treat material as suggested under heading "disposal".

### **Personal precautions:**

Do not breathe vapors, avoid ignition sources, and avoid contact with skin, eyes and clothing.

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## **09. HANDLING AND STORAGE:**

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**Handling:** Avoid extremes of temperatures & keep it in tightly closed containers. Keep it away from smoking, flames, hot elements or other sources of ignition .ground to avoid static charge during mixing & pumping. Wear appropriate protective clothing. Use explosion proof equipment & tools.

**Storage:** Store in a cool, well-aired place in tightly sealed container

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#### **10. STABILITY & REACTIVITY:**

- a. Stability: Stable under recommended storage condition.
  - b. Condition to avoid : Heat, Smoking, Open flames & other sources of ignition, for example  
Sparks for engineering work or static electricity.
  - c. Materials to Avoid : Strong oxidizing agents.
  - c. Decomposition Product: Carbon dioxide, Carbon monoxide.
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#### **11. TAXICOLOGIAL INFORMATION:**

##### **Acute toxicity:**

Primary irritant effect :  
On the skin : No irritant Effect.  
On the eye : irritant effect.  
On respiratory organs : No irritant effect.  
Sensitization : No Sensitization effect.

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#### **12. Ecological information :**

##### **General information:-**

Slightly Hazardous for water. Do not allow to reach ground water, water bodies or sewage system.

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#### **13. EXPOSURE STANDARDS / PERSONAL PROTECTION:**

**Engineering Controls:** Ensure that TLV standards are not exceeded. The product should be handled and used in a well-ventilated area. Keep clear of sources of ignition.

**Personal Protection:** Common sense dictates that precautions should be taken to avoid swallowing and/ or skin contact with product. Protection from splashing will be required while handling the product. Use safety glasses or face shield and impermeable gloves and overalls. If TLV standards are exceeded self-

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contained breathing apparatus or a remote supply fresh air mask is required. Observe sensible personal hygiene standards; always wash before eating drinking or visiting the toilet.

#### **Personal protective equipment:**

Hygiene measure : keep away from foodstuff and beverages. Wash hand before breaks  
And After work. Clean skin thoroughly after work.

Respiratory protection: in case of insufficient ventilation

Hand protection : use gloves

Eye protection : use safety glasses

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#### **14. Disposal consideration:**

**Product:** - According to the current regulations, it may be taken to waste disposal site or incineration plant, after consultation with site operator or responsible authority.

#### **Unclean packaging:-**

Used packing should be cleaned as much as possible so that, it can be taken for reuse, otherwise disposal must be made according to official regulations.

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**15. REGULATORY INFORMATION :** Flammable, non-hazardous, insoluble in water.

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#### **16. OTHER INFORMATION**

These data are based on our present knowledge. However, they shall not constitute a guarantee  
For any specific product features and shall not establish a legally valid contractual relationship.