

## MATERIAL SAFETY DATA SHEET

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**Irritant**

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### **1. Identification of the substance**

Product name : Oil based ink for ALE printers **BOB600/BOB250**

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### **2. Composition / information on ingredients**

<u>Hazardous components</u>	<u>CAS-No</u>	<u>Conc. %</u>	<u>Symbol</u>	<u>Risk phrases</u>
Distillates (petroleum), Hydrotreated middle	64742-46-7	> 75	Xn	R65*, R66
Polyamine, fatty acid	Listed	5-10	Xi	R36/38, R43

*Risk phrases, explanations :*

*R36 = Irritating to eyes, R38 = Irritating to skin, R43 = May cause sensitisation by skin contact.*

*R65 = Harmful : May cause lung damage if swallowed, R66 = Repeated exposure may cause skin dryness or cracking.*

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### **3. Hazard identification**

Health : May cause eye and skin irritation. Repeated exposure may cause skin dryness or cracking.

Environmental : None of the substances in this product are classified as dangerous for the environment.

Fire : The product is not classified as flammable.

*Distillates (petroleum), hydrotreated middle is classified as Harmful (R65). But this preparation does not meet the criteria in Section 3.2.3. of Annex VI to 67/548/EEC. So this preparation need not to be classified as Harmful (R65).*

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### **4. First aid measures**

General advice : In case of doubt or with persisting symptoms obtain medical attention. Nevers pass anything through the mouth of an unconscious person.

Inhalation : Remove patient from exposure, keep warm and at rest. Obtain medical attention if ill effects occur.

Skin contact : Remove contaminated clothing, and then wash the affected area with soap and water. Contaminated clothing should be laundered before reissue.

Eye contact :	Rinse with eye wash solution or water for at least 15 minutes. Obtain medical attention as a precaution.
Ingestion :	Wash out mouth with water and give 200-300 ml of water to drink. Do not induce vomiting. Obtain medical attention if ill effects occur.

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### **5. Fire fightings measures**

Extinguishing media :	Use foam or dry powder. Remove containers from fire or cool them with water spray.
Specific hazards :	Not classed as flammable. Combustion will evolve toxic and irritating vapours. Take precautions against static discharges. May catch fire with ignition. Keep away from spark or flame.
Protective equipment for fire fighters:	Self-contained breathing apparatus and safety goggles.

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### **6. Accidental release measures**

Personal precautions :	Use chemical resistant gloves. See also paragraph 8.
Environnemental precautions :	Do not allow material to enter drains or water courses. In the event of larger spills contact the emergency services.
Method for cleaning up :	Absorb onto inert material, like earth or sand, and place in suitable container for disposal. Dispose of according to special waste. Wash the spillage area clean.

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### **7. Handling and storage**

Handling :	Keep container closed. Ensure good ventilation. Avoid contact with skin and eyes. Avoid inhalation of high concentrations of vapour/ mist.
Storage :	Keep container tightly closed in a dry place at ambient temperature. Take precautionary measures against static discharge. Keep away from strong oxidising agents.

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### **8. Exposure controls / personal protection**

Engineering measures :	Ensure good ventilation. Where reasonably practicable, this should be achieved by the use of local exhaust ventilation and good general extraction. Avoid contact with the product. Keep away from sources of ignition.
Personal protective equipment :	Where contact may occur, wear chemical resistant gloves, suitable protective clothing and safety goggles. Wear approved mask/respirator if necessary.
Occupationnal exposures limits :	No occupational exposure limits assigned.

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## **9. Physical and chemical properties**

Appearance :	Liquid
Colour :	Blue (cyan), Red (magenta), Yellow and Black
Odour :	Solvent
Boiling point :	279-316 C°
Flash point :	> 134 C°
Autoignition temperature :	No data
Flammability limits :	0,6 - 6
Relative density :	0,87 – 0,89
Solubility in water :	Not soluble

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## **10. Stability and reactivity**

Stability :	Stable under normal conditions in tightly closed vessels.
Conditions to avoid :	Avoid sources of ignition.
Materials to avoid :	Avoid strong oxidizing agents.

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## **11. Toxicological information**

Inhalation :	Inhalation of vapours at high concentrations may cause headache, dizziness, drowsiness and nausea. Prolonged inhalation of high concentrations may also have other central nervous system effects.
Skin contact :	Irritates the skin and may cause skin dryness or cracking. It is not a skin sensitizer in animal tests. Unlikely to cause skin sensitisation.
Eye contact :	Splashes may give eye irritation.
Ingestion :	Low acute oral toxicity.

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## **12. Ecological considerations**

Solubility :	The product is essentially insoluble in water.
Sewage treatment :	No information available.
Ecotoxicity :	No information available.
Water pollution class :	No information available.

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### **13. Disposal considerations**

Product contaminated

Packaging : Disposal must be in accordance with current national and local Regulations. Chemical residues generally count as special waste.

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### **14. Transport information**

The product is not subject to transport regulations (ADR/ RID ; IATA and IMDG).

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### **15. Regulatory information**

#### **Classification and labelling**

Danger symbol : Xi (Irritant)

Risk phrases : Irritating to eyes and skin (R36/38).  
Repeated exposure may cause skin dryness or cracking (R66).

Safety phrases : Avoid contact with skin (S24)  
In case of contact with eyes, rinse immediately with water and seek medical advice (S26)  
Wear suitable gloves (S37)  
Use only in well-ventilated areas (S51)

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### **16. Other information**

This data sheet was prepared in accordance with Directive 91/155/EEC (93/112/EC)

The information on this sheet is not a specification, it does not guarantee specific properties. The information is intended to provide general guidance as to health and safety based upon our knowledge of the handling, storage and use of the product. It is not applicable to unusual or non-standard uses of the product, nor where instructions or recommendations are not followed.