



SAFETY DATA SHEET

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LIQUID INK DRYMARKER AST

Revision 1
Revision date 10-Jul-2006

1. IDENTIFICATION OF THE SUBSTANCE / PREPARATION AND THE COMPANY

Product name LIQUID INK DRYMARKER AST

Company Acco UK Ltd
Oxford House
Oxford Road
Aylesbury
Bucks
HP21 8SZ
informationeurope@acco.com
www.acco.co.uk

Telephone +44 (0)845 6031730

Fax +44 (0)845 6031731

2. COMPOSITION / INFORMATION ON INGREDIENTS

Hazardous ingredients

	Conc.	CAS	EINECS	Symbols/Risk phrases
Ethanol	40-50%	64-17-5	200-578-6	F; R11
Isopropanol (Propan-2-ol)	20-30%	67-63-0	200-661-7	F; R11 Xi; R36 R67
Pigments, Resins, Release Agents, Surfactants	10-20%			

3. HAZARDS IDENTIFICATION

Main hazards Highly flammable. Irritating to eyes. Vapours may cause drowsiness and dizziness.

4. FIRST AID MEASURES

Skin contact May cause irritation to skin. May cause degreasing of the skin. Wash off immediately with plenty of soap and water. Remove contaminated clothing. Seek medical attention if irritation or symptoms persist.

Eye contact Irritating to eyes. Rinse immediately with plenty of water for 15 minutes holding the eyelids open. Seek medical attention if irritation or symptoms persist.

Inhalation Vapours may cause drowsiness and dizziness. Move the exposed person to fresh air. Seek medical attention.

Ingestion Ingestion may cause nausea and vomiting. Drink 1 to 2 glasses of water. DO NOT INDUCE VOMITING. Seek medical attention if irritation or symptoms persist.

General information In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible).

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5. FIRE FIGHTING MEASURES

Extinguishing media	Foam. Powder. Carbon dioxide (CO ₂)
Fire hazards	Highly flammable. Vapour may travel considerable distance to source of ignition and flash back. Risk of explosion if heated under confinement. Cool fire exposed containers with waterspray.
Protective equipment	Wear self contained breathing apparatus and protective clothing.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions	Ensure adequate ventilation of the working area. Evacuate personnel to a safe area. Eliminate all sources of ignition. Wear suitable protective equipment.
Environmental precautions	Do not allow product to enter drains. Prevent further spillage if safe. Dispose of as special waste in compliance with local and national regulations.
Clean up methods	Absorb with inert, absorbent material. Transfer to suitable, labelled containers for disposal. Clean spillage area thoroughly with plenty of water. Dispose of this material and its container to hazardous or special waste collection point.

7. HANDLING AND STORAGE

Handling	Avoid contact with eyes and skin. Ensure adequate ventilation of the working area. Use explosion proof equipment. Keep away from sources of ignition - No smoking. Keep out of the reach of children.
Storage	Keep in a cool, dry, well ventilated area. Avoid contact with: oxidising agents. Keep away from heat. Store at temperatures between 10 °C and 25 °C.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Exposure limits

Ethanol	WEL 8-hr limit ppm: 1000 WEL 15 min limit ppm: -	WEL 8-hr limit mg/m ³ : 1920 WEL 15 min limit mg/m ³ : -
Isopropanol (Propan-2-ol)	WEL 8-hr limit ppm: 400 WEL 15 min limit ppm: 500	WEL 8-hr limit mg/m ³ : 999 WEL 15 min limit mg/m ³ : 1250

Engineering measures	Ensure adequate ventilation of the working area.
Respiratory protection	Wear suitable respiratory equipment when necessary.
Hand protection	Chemical resistant gloves (PVC)
Eye protection	Approved safety goggles.
Protective equipment	Wear chemical protective clothing.

9. PHYSICAL AND CHEMICAL PROPERTIES

Description	Liquid.
Odour	Characteristic.
Boiling point	78°C
Flash point	13°C
Viscosity	5-11cps

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10. STABILITY AND REACTIVITY

Stability	Stable under normal conditions.
Conditions to avoid	Heat, sparks and open flames.
Materials to avoid	Oxidising agents.
Hazardous decomposition products	Carbon oxides.

11. TOXICOLOGICAL INFORMATION

Toxicological information

Ethanol	Oral Rat LD50 = 7060 mg/kg
Isopropanol	Oral Mouse LD50 = 3600 mg/kg Oral Rat LD50 = 5.8g/kg

12. ECOLOGICAL INFORMATION

Ecotoxicity	No data is available on this product.
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13. DISPOSAL CONSIDERATIONS

General information	Dispose of as special waste in compliance with local and national regulations.
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14. TRANSPORT INFORMATION

ADR/RID

UN 1993	Packing group II
Class 3	Hazard ID 33
Proper Shipping Name (Ethanol and Propanol).	
FLAMMABLE LIQUID, N.O.S.	

IMDG

UN 1993	Packing group II
Class 3	Marine pollutant .
EmS Code F-E S-E	

IATA

UN 1993	Packing group II
Class 3	Subsidiary risk -
Packing Instruction 307 (Cargo)	Maximum quantity 60 L
Packing Instruction 305 (Passenger)	Maximum quantity 5 L

15. REGULATORY INFORMATION

Labelling	The product is classified in accordance with 67/548/EEC.
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Symbols	F - Highly flammable; Xi - Irritant
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Risk phrases	R11 - Highly flammable. R36 - Irritating to eyes. R67 - Vapours may cause drowsiness and dizziness.
Safety phrases	S16 - Keep away from sources of ignition - No smoking.

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16. OTHER INFORMATION

Text of risk phrases in Section 2

R11 - Highly flammable.
R36 - Irritating to eyes.
R67 - Vapours may cause drowsiness and dizziness.

Further information

The information supplied in this Safety Data Sheet is designed only as guidance for the safe use, storage and handling of the product. This information is correct to the best of our knowledge and belief at the date of publication however no guarantee is made to its accuracy. This information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any other process.