

Material Safety Data Sheet

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Issue date: August 2011

ANAPAC INK

1. IDENTIFICATION OF THE MATERIAL AND SUPPLIER

Product Name: ANAPAC INK

Manufacturer's Product Code: DE

Use: Flexographic printing ink.

DYEPAC LIQUID INKS PTY. LTD.

A.C.N. 009 995 215

A.B.N.94 009 995 215

29 ENTERPRISE STREET

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2. HAZARDS IDENTIFICATION

HAZARDOUS ACCORDING TO THE ASCC/NOHSC/EU CRITERIA

Hazard Category: Highly Flammable (F)

Hazard Classification: NON-HAZARDOUS SUBSTANCE, DANGEROUS GOODS

RISK PHRASES

R11 Highly flammable

SAFETY PHRASES

S9 Keep container in a well-ventilated place.

S16 Keep away from sources of ignition - No smoking.

Road Transport (ADR/RID)

UN Number: 1210

Proper Shipping Name: PRINTING INK

Dangerous Goods Class: 3

Packing Group: II

Poison Schedule: None allocated [Aust].

Warning Statement:

Highly flammable liquid and vapor. Avoid all sources of ignition, heat and naked flames.

3. COMPOSITION / INFORMATION ON INGREDIENTS

SUBSTANCE NAME	Proportion	CAS Number
ETHANOL	30 to < 80 %	64-17-5
DYES, RESINS - NON HAZARDOUS	30 to < 60 %	Mixture

All other ingredients determined not to be hazardous according to ASCC/NOHSC/EU criteria.

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4. FIRST AID MEASURES

Swallowed:

If swallowed, **DO NOT** induce vomiting. If victim conscious, give 1 to 2 glasses of water to drink. Seek urgent medical assistance.

Eye:

If in eyes, hold eyelids apart and flush the eye continuously with running water. Continue flushing until advised to stop by the Poisons Information Centre or a doctor, or for at least 15 minutes..

Skin:

If skin or hair contact occurs, remove contaminated clothing and flush skin and hair with running water.

Inhaled:

Remove victim to fresh air. Apply resuscitation if victim is not breathing - Administer oxygen if breathing is difficult. Transport to hospital or doctor immediately.

First Aid Facilities:

Eye wash fountain, safety shower and normal wash room facilities.

Advice to Doctor:

Treat symptomatically.

For advice, contact Poisons Information Centre

In Australia call Tel: 13 1126

In New Zealand Tel: 034747000

5. FIRE-FIGHTING MEASURES

Fire/Explosion Hazard

Suitable Extinguishing Media: Use foam or dry chemical powder.

Hazards From Combustion Products: Emits oxides of carbon when heated to decomposition.

Precautions for Fire Fighters and Special Protective Equipment: If safe to do so, move undamaged containers from fire area. Fire fighters to wear Self-contained breathing apparatus (SCBA) in confined spaces, in oxygen deficient atmospheres or if exposed to products of decomposition.

HAZCHEM CODE: 3[Y]E [Aust]

Flammability

Highly flammable liquid. Vapors from this product may travel or be moved by air currents and be ignited by pilot lights, other flames, smoking, sparks, heaters, electrical equipment, static discharge or other ignition sources at locations distant from the point of handling.

Flash Point: 17°C

6. ACCIDENTAL RELEASE MEASURES

Emergency Procedures:

Keep unnecessary people away; Isolate hazard area and deny entry. Ventilate area. Wear suitable protective equipment as outlined under personal protection in this MSDS. Shut off ignition sources, smoking or flames in hazard area. Stop leak if you can do it without risk. Water spray may reduce vapor.

Methods and Materials for Containment and Clean Up Procedures:**SMALL SPILLS:**

Throw vermiculite or other inert material onto spill. **DO NOT** use sawdust. **ALLOW TO ABSORB.** Use non-sparking shovel and scoop up and place into labeled drum for later disposal.

LARGE SPILLS:

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6. ACCIDENTAL RELEASE MEASURES (continued)

Notify Emergency Services (Police or Fire Brigade). Tell them exact location, nature, hazards, quantities, type of vehicle and any other information that would be helpful. Follow instructions and proceed as deemed necessary to minimize risk.

Emergency information(Transport):

Dangerous Goods - Initial Emergency Response Guide (IERG) (SAA/SNZ HB76:2004)

For **LIQUIDS** - Highly flammable, Guide No: 14

7. HANDLING AND STORAGE

Precautions for Safe Handling:

CAUTION! Product is highly flammable. Wear neoprene or nitrile gloves and goggles when opening and dispensing the product. Do not breathe vapors. For further information please refer to the Engineering Controls of this MSDS.

Conditions for Safe Storage:

Store in a cool place and out of direct sunlight. Store away from sources of heat or ignition and oxidizing agents. All equipment must be earthed. Store in original packages as approved by manufacturer. For further information please refer to the Engineering Controls of this MSDS.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Exposure Standards

No exposure standards are available for this product, however, the following exposure standards have been assigned by the [NOHSC] to the following component of the product:

ETHANOL

[NOHSC]

[TWA] 1,000 ppm 1,880 mg/m³

References: H

Engineering Controls

Highly flammable liquid. Maintain adequate ventilation at all times. Prevent accumulation of vapors in hollows or sumps. Eliminate any sources of ignition. Elevated temperature or mechanical action may form vapors, mists or fumes which may require local exhaust ventilation systems.

Personal Protection Equipment

GLOVES: Nitrile rubber.

EYES: Chemical goggles or spectacles with side shields to protect eyes.

RESPIRATORY PROTECTION: Avoid breathing of vapors. Select and use respirators in accordance with AS/NZS 1715. When vapors exceed the exposure standards and there is no local or general ventilation, then the use of a half-face respirator fitted with an organic vapor cartridge is recommended.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance:	Various coloured liquids with characteristic odour.
Boiling Point:	77 - 79°C
Melting Point:	Not available.
Vapor Pressure:	Not available.
Specific Gravity:	0.8 - 0.9
Flash Point:	17°C

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9. PHYSICAL AND CHEMICAL PROPERTIES (continued)

Flammability Limits: Not available.
Solubility in Water: Miscible

Other Properties
Not available.

10. STABILITY AND REACTIVITY

CHEMICAL STABILITY:
Stable under normal conditions of use.

CONDITIONS TO AVOID:
Heat, flames, ignition sources and incompatibles.

INCOMPATIBLE MATERIALS:
Oxidizing agents and strong mineral acids.

HAZARDOUS DECOMPOSITION PRODUCTS:
Heating to decomposition emits oxides of carbon.

HAZARDOUS REACTIONS:
Will not occur.

11. TOXICOLOGICAL INFORMATION

ACUTE HEALTH EFFECTS

Swallowed:

Swallowing this product, which contains a significant quantity of denatured alcohol, will cause initially alcohol related stupor, vomiting etc., and dependent upon the denaturants present, effects including nausea, vomiting, blindness and possible coma will occur.

Eye:

May cause irritation to the eyes, with effects including: tearing, pain, stinging and blurred vision.

Skin:

May cause irritation to the skin, with effects including; Redness and itchiness.

Inhaled:

Mists from the product may cause irritation to the nose, throat and respiratory system with effects including: Cough, discomfort, difficulty breathing and shortness of breath.

Chronic:

Prolonged or repeated skin contact may lead to drying and defatting.

There is no toxicological information available for this product, however, for the ingredient:

Ethanol:

Oral LDLo(Human): 1,400 mg/kg
Reaction: Stupor, sleepiness, headache.

Oral LD50(rat): 7,060 mg/kg

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12. ECOLOGICAL INFORMATION

No information is available for this product; however, large quantities should not be discharged to waterways, sewers or drains.

13. DISPOSAL CONSIDERATIONS

Refer to appropriate authority in your State. Dispose of material through a licensed waste contractor. Advise highly flammable nature. If large amounts of the product enter waterways, sewers or streams, immediately contact the Environmental Protection Agency or your Local Waste Management Authority.

14. TRANSPORT INFORMATION

Road Transport (ADR/RID)

UN Number: 1210

Proper Shipping Name: PRINTING INK

Dangerous Goods Class: 3

Packing Group: II

Air Transport (IATA)

UN Number: 1210

Proper Shipping Name: PRINTING INK

Dangerous Goods Class: 3

Packing Group: II

Sea Transport (IMDG)

UN Number: 1210

Proper Shipping Name: PRINTING INK

Dangerous Goods Class: 3

Packing Group: II

EmS: F-E,S-D

15. REGULATORY INFORMATION

Poison Schedule: None allocated [Aust]

Inventory Status:

Australia (AICS) Y

United States (TSCA) Y

Europe (EINECS/ELINCS) Y

Y = all ingredients are on the inventory.

EU Label: Highly Flammable (F)

16. OTHER INFORMATION

Date of Preparation:

Issue date: August 08, 2011

Supersedes: August 21, 2008

Reasons for Update:

1. Review of fields and data, promoting uniformity of MSDS.
2. Changes to Sections 2, 4, 6, 8, 11, 15 & 16, based upon SUSDP first aid information.

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16. OTHER INFORMATION (continued)

Key Legend Information:

NOHSC - National Occupational Health & Safety Commission {Formerly Work safe} [Aust]

ASCC - Australian Safety and Compensation Council [Aust]

SUSDP - Standard for the Uniform Scheduling of Drugs and Poisons [Aust]

TWA - Time Weighted Average [Int]

STEL - Short Term Exposure Limit [Int]

AICS - Australian Inventory of Chemical Substances

Dangerous Goods - Initial Emergency Response Guide (SAA/SNZ HB76:2004) [Aust]

EPA - Environmental Protection Agency [Int]

NIOSH - National Institute for Occupational Safety and Health [US]

TSCA - Toxic Substances Control Act [US]

OSHA - Occupational Safety and Health Administration [US]

AS/NZS 1715 - Selection, use and maintenance of respiratory protective devices. [Aust/NZ]

AS/NZS 1716 - Respiratory protective devices. [Aust/NZ]

Hazchem Code - Fire fighters designation [Aust]

IATA - International Aviation Transport Authority [Int]

ICAO - International Civil Aviation Organization [Int]

IMO - International Maritime Organisation. [Int]

IMDG - International Maritime Dangerous Goods [Int]

United Nations Recommendations for the Transport of Dangerous Goods and Globally Harmonized System for the classification and labeling of Chemicals. [Int]

EINECS - European Inventory of Existing Commercial Chemical Substances. [Int]

ELINCS - European List of Notified Chemical Substances. [Int]

EU - European Union [Int]

ADR/RID - European Road & Rail Transport Union - [Int]

EU Directives: The classification criteria used, are adopted from the European Community's (EC) legislation for classifying dangerous substances. The criteria are taken from:

EC Council Directive 67/548/EEC

EC Council Directive 1999/45/EC

[Aust/NZ] = Australian New Zealand

[Int] = International

[US] = United States of America

Principal References:

Information supplied by manufacturer, reference sources including the public domain.

Disclaimer

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END OF MSDS