

# Material Safety Data Sheet

Page 1 of 6

Issue date: August 2011

## POLYPAC SILVER PRINTING INK

### 1. IDENTIFICATION OF THE MATERIAL AND SUPPLIER

**Product Name:** POLYPAC SILVER PRINTING INK

**Manufacturer's Product Code:** PE353

**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**

**CLEVELAND QLD 4163**

**Phone: (07) 3821 0899 FAX: (07) 3821 0788**

**e-mail : [info@dyepac.com.au](mailto:info@dyepac.com.au)**

**Web : <http://www.Dyepac.com.au>**

### 2. HAZARDS IDENTIFICATION

NOT CLASSIFIED AS HAZARDOUS ACCORDING TO ASCC/NOHSC/EU CRITERIA

**Hazard Category:** Flammable

**Hazard Classification:** NON-HAZARDOUS SUBSTANCE, NON-DANGEROUS GOODS

#### RISK PHRASES

R10 Flammable

#### SAFETY PHRASES

S7/8 Keep container tightly closed and dry.

S9 Keep container in a well ventilated place.

S16 Keep away from sources of ignition - No smoking.

S24/25 Avoid contact with skin and eyes.

#### Road Transport (ADR/RID):

**UN Number:** 1210

**Proper Shipping Name:** PRINTING INK

**Dangerous Goods Class:** 3

**Packing Group:** III

**Poison Schedule:** None allocated [Aust].

#### Warning Statement:

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

### 3. COMPOSITION / INFORMATION ON INGREDIENTS

| SUBSTANCE NAME               | Proportion | CAS Number |
|------------------------------|------------|------------|
| ETHANOL                      | 30 to 60 % | 64-17-5    |
| VARNISH, WAX - NON HAZARDOUS | 30 to 60 % | Mixture    |
| ALUMINIUM PASTE              | 10 to 30 % | 7429-90-5  |

All other ingredients not hazardous according to ASCC/NOHSC/EU Criteria.

# Material Safety Data Sheet

Page 2 of 6

Issue date: August 2011

## POLYPAC SILVER PRINTING INK

### 4. FIRST AID MEASURES

**Swallowed:**

If swallowed, **DO NOT** induce vomiting. 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 at least 15 minutes.

**Skin:**

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

**Inhaled:**

If inhaled, remove from contaminated area. Apply artificial respiration if not breathing.

**First Aid Facilities:**

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

**Advice to Doctor:**

Treat symptomatically.

For advice, contact a Poisons Information Centre (**AT ONCE**)

**In Australia call Tel: 13 1126**

**In New Zealand Tel: 0800 764 766**

### 5. FIRE-FIGHTING MEASURES

**Fire/Explosion Hazard**

**SUITABLE EXTINGUISHING MEDIA:** Foam, dry chemical or carbon dioxide.

**HAZARDS FROM COMBUSTION PRODUCTS:** Decomposes on heating emitting oxides of carbon and noxious smoke.

**PRECAUTIONS FOR FIRE FIGHTERS AND SPECIAL PROTECTIVE EQUIPMENT:** Self-contained breathing apparatus (SCBA) required for fire-fighting personnel. If possible to do so safely, shut off fuel to fire.

**HAZCHEM CODE:** 3[Y] [Aust]

**FLAMMABILITY**

This material is a **FLAMMABLE** liquid. Avoid all sources of ignition, heat and naked flames.

**Flash Point:** 28°C

### 6. ACCIDENTAL RELEASE MEASURES

**Emergency Procedures:**

Flammable liquid. Avoid all sources of ignition. Keep unnecessary people away; Isolate hazard area and deny entry. Ventilate area. Wear suitable protective equipment as outlined under personal protection in this MSDS.

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

Throw vermiculite or diatomaceous earth onto spill. **DO NOT** use sawdust. Use non-sparking tools or HEPA vacuum system to pick up. Place into labelled drum(s) for later disposal.

**Emergency information(Transport):**

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

For **LIQUIDS** - Flammable, Guide No: 15

# Material Safety Data Sheet

Page 3 of 6

Issue date: August 2011

## POLYPAC SILVER PRINTING INK

### 7. HANDLING AND STORAGE

**Precautions for Safe Handling:**

Flammable liquid. Avoid ignition sources. Do not get in eyes, skin or do not inhale. Provide adequate ventilation.

**Conditions for Safe Storage:**

Keep containers tightly closed, when not using the product. Store in original packages as approved by manufacturer. Store in an area that is dry and well-ventilation away from ignition sources. Store at ambient temperatures. Store away from oxidizing agents. 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 [NOHSC] to the following components of the product:

***ETHANOL***

[NOHSC]

[TWA] 1,000 ppm          1,880 mg/m<sup>3</sup>

**References:** H***ALUMINIUM (METAL DUST)***

[NOHSC]

[TWA] 10 mg/m<sup>3</sup>

**References:** H**Engineering Controls**

Highly flammable liquid. Maintain adequate ventilation at all times. Prevent accumulation of vapours in hollows or sumps. Eliminate any sources of ignition.

**Personal Protection Equipment**

**GLOVES:** Neoprene or nitrile.

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

**RESPIRATORY PROTECTION:** Avoid breathing of vapours. Filter capacity and respirator type depends on exposure levels and type of contaminant. Select and use respirators in accordance with AS/NZS 1715. When vapours exceed the exposure standards then the use of a half-face respirator fitted with an organic vapour cartridge is recommended.

### 9. PHYSICAL AND CHEMICAL PROPERTIES

**Appearance:** Silver coloured liquid with characteristic odour.

**Boiling Point:** 77 - 79°C

**Melting Point:** Not available.

**Vapour Pressure:** Not available.

**Specific Gravity:** 0.8 - 0.9

**Flash Point:** 28°C

**Flammability Limits:** Not available.

**Solubility in Water:** Miscible

**Other Properties**

Not available.

# Material Safety Data Sheet

Page 4 of 6

Issue date: August 2011

## POLYPAC SILVER PRINTING INK

### 10. STABILITY AND REACTIVITY

**CHEMICAL STABILITY:**

Stable under normal conditions of use.

**CONDITIONS TO AVOID:**

Ignition sources and mixing with incompatibles.

**INCOMPATIBLE MATERIALS:**

Strong oxidizing agents.

**HAZARDOUS DECOMPOSITION PRODUCTS:**

Decomposes on heating emitting oxides of carbon and noxious smoke.

**HAZARDOUS REACTIONS:**

Will not occur.

### 11. TOXICOLOGICAL INFORMATION

No adverse health effects are expected, if the product is handled in accordance with this Material Safety Data Sheet and the product label. Symptoms and effects that may arise if the product is mishandled and overexposure occurs are:

**ACUTE HEALTH EFFECTS:****Swallowed:**

May cause irritation to mouth, throat and stomach with effects including mucous build up, irritation to the tongue and lips and pains in the stomach, which may lead to nausea, vomiting and diarrhoea.

**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.

**Chronic:**

Prolonged or repeated skin contact may lead to dermatitis.

**Ethanol:**

Oral LDLo(Human): 1,400 mg/kg

Reaction: Stupor, sleepiness, headache.

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

### 12. ECOLOGICAL INFORMATION

**Ethanol:**

This substance may cause mild adverse effects in the environment, it is anticipated that the ethanol will volatilize.

The resin and dye contained in this product are anticipated to persist in the environment.

Avoid contaminating drains, sewers or waterways.

# Material Safety Data Sheet

Page 5 of 6

Issue date: August 2011

## POLYPAC SILVER PRINTING INK

### 13. DISPOSAL CONSIDERATIONS

Refer to appropriate authority in your State. Dispose of material through a licensed waste contractor. Advise 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:** III

**Air Transport (IATA):**

**UN Number:** 1210

**Proper Shipping Name:** PRINTING INK

**Dangerous Goods Class:** 3

**Packing Group:** III

**Sea Transport (IMDG):**

**UN Number:** 1210

**Proper Shipping Name:** PRINTING INK

**Dangerous Goods Class:** 3

**Packing Group:** III

### 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:** Flammable

### 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.

**Key Legend Information:**

NOHSC - National Occupational Health & Safety Commission {Formerly Worksafe}[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

# Material Safety Data Sheet

Page 6 of 6

Issue date: August 2011

## POLYPAC SILVER PRINTING INK

### 16. OTHER INFORMATION (continued)

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 labelling 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**

Any advice, recommendation, information, assistance or service provided by Dyepac Liquid Inks Pty. Ltd. in relation to the goods supplied by it or their use or application is given in good faith and believed to be appropriate and reliable, however, it is provided with a disclaimer for any liability or responsibility on the part of Dyepac Liquid Inks Pty. Ltd. The customer accepts all risk and responsibility for use of the goods alone, or in combination with other products. All warranties, guarantees and conditions, other than those expressly stated and whether implied by statute, common law, custom of the trade or otherwise, are to the extent that the law permits, expressly excluded.

**END OF MSDS**