

# Material Safety Data Sheet

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Issue date: August 2011

## ETHOXY PROPANOL

### 1. IDENTIFICATION OF THE MATERIAL AND SUPPLIER

**Product Name:** ETHOXY PROPANOL

**Manufacturer's Product Code:** PR49

**Use:** Solvent used with 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

NOT CLASSIFIED AS HAZARDOUS ACCORDING TO NOHSC/EU CRITERIA

**Hazard Category:** Flammable

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

#### RISK PHRASES

R10 Flammable

#### SAFETY PHRASES

S16 Keep away from sources of ignition - No smoking.

S37/39 Wear suitable gloves and eye/face protection.

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

**Proper Shipping Name:** ETHERS, N.O.S. (Contains ETHOXYL PROPANOL)

**UN Number:** 3271

**Dangerous Goods Class:** 3

**Packing Group:** III

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

#### Warning Statement:

Flammable Liquid. Avoid all sources of ignition, heat and naked flames.

### 3. COMPOSITION / INFORMATION ON INGREDIENTS

SUBSTANCE NAME	Proportion	CAS Number
ETHOXY PROPANOL	99 to 100 %	1569-02-4

All other ingredients not hazardous according to 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:** Water fog, Foam, dry chemical or carbon dioxide.

**HAZARDS FROM COMBUSTION PRODUCTS:** Decomposes on heating emitting oxides of carbon and small amounts of unburnt hydrocarbon entities.

**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. Use water fog to cool fire exposed drums or packages.

**HAZCHEM CODE:** 2[Y] [Aust]

**FLAMMABILITY**

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

**Flash Point:** 40.5°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

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## ETHOXY PROPANOL

### 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 have been assigned by [NOHSC] for this product or any of the components:

**Engineering Controls**

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 and there is no suitable ventilation systems then the use of a half-face respirator fitted with an organic vapour cartridge is recommended.

### 9. PHYSICAL AND CHEMICAL PROPERTIES

<b>Appearance:</b>	Water coloured liquid with characteristic odour.
<b>Boiling Point:</b>	270°C
<b>Vapour Pressure:</b>	Not available.
<b>Specific Gravity:</b>	0.895
<b>Flash Point:</b>	40.5°C
<b>Flammability Limits:</b>	Not available.
<b>Solubility in Water:</b>	Miscible.

**Other Properties**

**pH:** Not available.

### 10. STABILITY AND REACTIVITY

**CHEMICAL STABILITY:**

Stable under normal conditions of use.

**CONDITIONS TO AVOID:**

Ignition sources and mixing with incompatibles.

**INCOMPATIBLE MATERIALS:**

Oxidizing agents.

**HAZARDOUS DECOMPOSITION PRODUCTS:**

Decomposes on heating emitting oxides of carbon and small amounts of unburnt hydrocarbon entities.

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### 10. STABILITY AND REACTIVITY (continued)

#### 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 dependant 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.

##### Inhaled:

Mists from the product may cause irritation to the nose.

##### Chronic:

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

The following information is available for **Ethoxy Propanol**:

#### ACUTE TOXICITY

Oral LC50(rat): >10,000 ppm/4H

Oral LD50(rat): 4,400 mg/kg

#### IRRITATION

EYE - STANDARD DRAIZE TEST

Rabbit

ROUTE: Eyes; DOSE: 100 mg/24H;

**REACTION:** Moderate

### 12. ECOLOGICAL INFORMATION

This substance may cause long term adverse effects in the aquatic environment. Avoid contaminating drains, sewers or waterways.

### 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.

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### 14. TRANSPORT INFORMATION

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

**Proper Shipping Name:** ETHERS, N.O.S. (Contains ETHOXYL PROPANOL)

**UN Number:** 3271

**Dangerous Goods Class:** 3

**Packing Group:** III

**Air Transport (IATA):**

**Proper Shipping Name:** ETHERS, N.O.S. (Contains ETHOXYL PROPANOL)

**UN Number:** 3271

**Dangerous Goods Class:** 3

**Packing Group:** III

**Marine Transport (IMDG):**

**Proper Shipping Name:** ETHERS, N.O.S. (Contains ETHOXYL PROPANOL)

**UN Number:** 3271

**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

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]

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### 16. OTHER INFORMATION (continued)

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**

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**END OF MSDS**