Material Safety Data Sheet

PROPAC ANTI FOAM

1. IDENTIFICATION OF THE MATERIAL AND SUPPLIER

Product Name: PROPAC ANTI FOAM
Manufacturer's Product Code: V64

Use: Used to dispel any inadvertant foaming of ink during printing process.

DYEPAC LIQUID INKS PTY. LTD.
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CLEVELAND QLD 4163
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2. HAZARDS IDENTIFICATION

HAZARDOUS ACCORDING TO THE NOHSC/EU CRITERIA

Hazard Category: Harmful (**Xn**), Irritant (**Xi**), Highly Flammable (**F**)

Hazard Classification: HAZARDOUS SUBSTANCE, DANGEROUS GOODS.

RISK PHRASES
R11 Highly Flammable
R20/21 Harmful by inhalation and in contact with skin.
R38 Irritating to skin.

SAFETY PHRASES
S2 Keep out of reach of children.
S25 Avoid contact with eyes.

Road Transport (ADR/RID):
UN Number: 1993
Proper Shipping Name: FLAMMABLE LIQUID, N.O.S. (Contains XYLENE)
Dangerous Goods Class: 3
Packing Group: II

Poison Schedule: None allocated [Aust].

Warning Statement:
Harmful by skin contact and by inhalation. Irritating to skin. Highly flammable, avoid all sources of ignition, heat and naked flames.

3. COMPOSITION / INFORMATION ON INGREDIENTS

SUBSTANCE NAME	Proportion	CAS Number
XYLENE	50 to 95 %	1330-20-7

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

4. FIRST AID MEASURES

Swallowed:
If swallowed, **DO NOT** induce vomiting. Give 1 to 2 glasses of water to drink.

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: On combustion or on thermal decomposition (pyrolysis), there will be a release of 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. Avoid spreading burning liquid with water used for cooling fire exposed containers when using water spray, boil-over may occur when the product temperature reaches the boiling point of water, thereby resulting in re-ignition.

Hazchem Code: 3[Y]E

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

Flash Point: < 23°C

6. ACCIDENTAL RELEASE MEASURES

Emergency Procedures:
Highly 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 HB76:1997)
For **LIQUIDS** - Highly Flammable, Guide No: 14

7. HANDLING AND STORAGE

Precautions for Safe Handling:
Highly flammable liquid. Avoid ignition sources. Do not get in eyes. Avoid direct or prolonged contact with skin. 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. The floor of the depot should be impermeable. 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 the National Occupational Health & Safety Commission (NOHSC) to the following component of the product:

XYLENE
[NOHSC]
[TWA]80 ppm 350 mg/m³
[STEL]150 ppm 655 mg/m³

References: A;R

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 rubber.
EYES: Chemical goggles or spectacles 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 1715/1716. When vapours exceed the exposure standards then the use of a half-face respirator fittedwith an organic vapour cartridge is recommended.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance:	Clear to milky white liquid with characteristic odour.
Boiling Point:	Not available.
Vapour Pressure:	Not available.
Specific Gravity:	Not available.
Flash Point:	< 23°C
Flammability Limits:	Not available.
Solubility in Water:	Immiscible.

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 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 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:
Harmful by skin contact. Will cause irritation to the skin, with effects including; Redness, itchiness, and xylene produces a defatting dermatitis with prolonged cutaneous exposure.

Inhaled:
Harmful if 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. Xylene is a central nervous system depressant that produces lightheadedness, nausea, headache, and ataxia at low doses and confusion, respiratory depression, and coma at high doses. Above 200 ppm, xylene causes conjunctivitis, nasal irritation, and sore throats; it is a potent respiratory irritant at high concentrations.

Chronic:
Prolonged or repeated skin contact may lead to dermatitis. Product may also be absorbed through the skin with resultant toxic effects.

Xylene:

Inhalation TCLo(Human): 200 ppm
Inhalation LC50(rat): 5,000 ppm/4H
Oral LD50(rat): 4,300 mg/kg
Dermal LD50(rabbit): > 1,700 mg/kg, the literature reports that the standard Draize skin test is considered to be moderate to severe.

12. ECOLOGICAL INFORMATION

Ecotoxity:
No information for product.

Mobility:
Several experimental Koc values for xylenes have been reported depending upon the pH and organic carbon content of the soil. Batch experiments conducted with five low organic carbon content (0.04-1.12%), field contaminated soils (3 silty clay and two sandy loams) yielded Koc values ranging from 39-365.

Persistence / Degradability:
No information for product.

Chemical Fate Information:
Several experimental Koc values for xylene have been reported in soil samples with differing pH and organic carbon content values(1-3). The reported Koc value of xylene is in the range of 48-68.
ATMOSPHERIC FATE: According to a model of gas/particle partitioning of semivolatile organic compounds in the atmosphere, xylene, which has an experimental vapor pressure of 7.99 mm Hg at 25°C, will exist solely as a vapor in the ambient atmosphere. Vapor-phase xylene is degraded in the atmosphere by reaction with photochemically-produced hydroxyl radicals; the atmospheric lifetime of xylene is about 1-2 days.

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: 1993
Proper Shipping Name: FLAMMABLE LIQUID, N.O.S. (Contains XYLENE)
Dangerous Goods Class: 3
Packing Group: II

Air Transport (IATA):
UN Number: 1993
Proper Shipping Name: FLAMMABLE LIQUID, N.O.S. (Contains XYLENE)
Dangerous Goods Class: 3
Packing Group: II

Sea Transport (IMDG):
UN Number: 1993
Proper Shipping Name: FLAMMABLE LIQUID, N.O.S. (Contains XYLENE)
Dangerous Goods Class: 3
Packing Group: II

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: Harmful (**Xn**), Irritant (**Xi**), Highly Flammable (**F**)

16. OTHER INFORMATION

Date of Preparation:

Issue date: December 07, 2015 **Supercedes:** August 08, 2011

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]
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

PROPAC ANTI FOAM

16. OTHER INFORMATION (continued)

[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