

Material Safety Data Sheet

Page 1 of 7

Issue date: December 2015

TURBO D'INKA

1. IDENTIFICATION OF THE MATERIAL AND SUPPLIER

Product Name: TURBO D'INKA

Manufacturer's Product Code: PR150

Use: Water soluble wash up.

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

Web : http://www.Dyepac.com.au

2. HAZARDS IDENTIFICATION

HAZARDOUS ACCORDING TO ASCC/NOHSC/EU CRITERIA

Hazard Category: Irritant (Xi)

Hazard Classification: HAZARDOUS SUBSTANCE, NON-DANGEROUS GOODS

RISK PHRASES

R36/38 Irritating to eyes and skin.

SAFETY PHRASES

S13 Keep away from food, drink and animal feeding stuffs.

S24/25 Avoid contact with skin and eyes.

S26 In case of contact with eyes, rinse immediately with plenty of water and contact a doctor or Poisons Information Centre.

S36/37/39 Wear suitable protective clothing, gloves and eye/face protection.

Road Transport

UN Number: None allocated

Proper Shipping Name: NONE ALLOCATED

Dangerous Goods Class: None allocated

Packing Group: None allocated

Poison Schedule: S5 [Aust]

This material is a Scheduled S5 Poison and must be stored, handled and used according to the appropriate regulations.

Warning Statement:

Will cause irritation to eyes and skin. Avoid contact.

3. COMPOSITION / INFORMATION ON INGREDIENTS

SUBSTANCE NAME	Proportion	CAS Number
2-BUTOXY ETHANOL	1 to < 10 %	111-76-2
SODIUM METASILICATE	1 to < 10 %	6834-92-0
SODIUM HYDROXIDE SOLUTION	1 to < 2 %	1310-73-2
DODECYL BENZENE SULFONIC ACID	1 to 5 %	27176-87-0
WATER AND OTHER NON-HAZARDOUS SUBSTANCES	Balance	Mixture

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

Material Safety Data Sheet

Page 2 of 7

Issue date: December 2015

TURBO D'INKA

4. FIRST AID MEASURES

Swallowed:

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

Eye:

If material is splashed into eyes, immediately, flush with plenty of water for 15 minutes, ensuring eye lids are held open. If irritation persists transport to hospital or doctor.

Skin:

If material is splashed onto the skin, remove any contaminated clothing and wash skin thoroughly with soap and water. If irritation persists transport to hospital or doctor.

Inhaled:

Move victim to fresh air. Apply resuscitation if victim is not breathing.

First Aid Facilities:

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

Advice to Doctor:

Treat symptomatically.

In case of poisoning, contact Poisons Information Centre

In Australia call Tel: 131126

In New Zealand Tel: 034747000

5. FIRE-FIGHTING MEASURES

Fire/Explosion Hazard

If safe to do so, move undamaged containers from fire area.

Suitable Extinguishing Media: Use extinguishing media suitable for surrounding fire situation.

Hazards From Combustion Products: Decomposes on heating emitting oxides of carbon, sulfur and noxious smoke.

Precautions for Fire Fighters and Special Protective Equipment: Fire fighters to wear Self-contained breathing apparatus (SCBA) in confined spaces, in oxygen deficient atmospheres or if exposed to products of decomposition. Full protective clothing is also recommended.

HAZCHEM CODE: None allocated [Aust]

FLAMMABILITY

This material is not a flammable or combustible liquid. Will react with non-ferrous metals such as aluminium, magnesium, zinc and their alloys releasing flammable and potentially explosive hydrogen gas.

6. ACCIDENTAL RELEASE MEASURES

Emergency Procedures:

Keep unnecessary people away; Isolate hazard area and deny entry. If product spills onto floors it will represent a slip hazard, walk cautiously. Wear protective equipment to prevent skin and eye contact, as outlined under personal protection in this MSDS.

Methods and Materials for Containment and Clean Up Procedures:

Dike area using with an absorbent such as diatomaceous earth - to prevent run off into drains and waterways. Throw further absorbent (diatomaceous earth or other inert material) on top of spill, **ALLOW TO ABSORB**, then shovel up and seal in properly labeled containers for disposal.

Material Safety Data Sheet

Page 3 of 7

Issue date: December 2015

TURBO D'INKA

7. HANDLING AND STORAGE

Precautions for Safe Handling:

Store away from incompatibles. Store away from acids. For further information please refer to the Engineering Controls of this MSDS.

Conditions for Safe Storage:

Keep containers tightly closed, when not using this product. Store in a cool place and out of direct sunlight. Store in original packages as approved by manufacturer.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Exposure Standards

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

2-BUTOXY ETHANOL

[ASCC/NOHSC]

[TWA] 25 ppm 121 mg/m³

Notices: Sk

References: H;R

Sk Notation:

For most substances in the occupational setting, the main route of entry into the body is via inhalation. However, 2-Butoxy ethanol can readily penetrate the intact skin and thus become absorbed into the body, with resultant toxic effects.

SODIUM HYDROXIDE SOLUTION

[ASCC/NOHSC]

[TWA] 2 mg/m³

[STEL] Peak limitation

Peak Limitation:

For some rapidly acting substances and irritants, the averaging of the airborne concentration over an eight-hour period is inappropriate. These substances may induce acute effects after relatively brief exposure to high concentrations and so the exposure standard for these substances represents a maximum or peak concentration to which workers may be exposed.

References: H

Engineering Controls

Maintain adequate ventilation at all times. In most circumstances natural ventilation systems are adequate.

Personal Protection Equipment

GLOVES: The use of neoprene or nitrile is recommended.

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

RESPIRATORY PROTECTION: Avoid breathing of mists. Select and use respirators in accordance with AS/NZS 1715/1716. The use of a half-face respirator fitted with a combined acid vapour filter is recommended. Filter capacity and respirator type depends on exposure levels and type of contaminant. If entering spaces where the airborne concentration of a contaminant is unknown then the use of a Self-contained breathing apparatus (SCBA) with positive pressure air supply complying with AS/NZS 1715.

Material Safety Data Sheet

Page 4 of 7

Issue date: December 2015

TURBO D'INKA

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance:	Yellow / green coloured liquid with mild odour.
Boiling Point:	100°C
Vapour Pressure:	17 mmHg @ 25°C
Specific Gravity:	1.050 @ 25°C
Flash Point:	Not applicable, water content interferes with flash point.
Flammability Limits:	Not applicable.
Solubility in Water:	Dispersible.

Other Properties

pH: > 11.5

10. STABILITY AND REACTIVITY

CHEMICAL STABILITY:

Stable under normal conditions of use.

CONDITIONS TO AVOID:

Will react with non-ferrous metals such as aluminium, magnesium, zinc and their alloys releasing flammable and potentially explosive hydrogen gas..

INCOMPATIBLE MATERIALS:

Strong mineral acids (sulfuric, nitric and hydrochloric), and oxidizing agents.

HAZARDOUS DECOMPOSITION PRODUCTS:

Decomposes on heating emitting oxides of carbon, sulfur 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. Swallowing large quantities of 2-butoxy ethanol may result in metabolic acidosis, hypokalemia, hemoglobinuria, and possibly coma.

Eye:

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

Skin:

Will cause irritation to the skin, with effects including; Redness, itchiness, and drying/defatting. 2-butoxy ethanol may be absorbed through the skin with resultant toxic effects in blood system, spleen and testes.

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. 2-butoxy ethanol may affect the central nervous system.

Material Safety Data Sheet

Page 5 of 7

Issue date: December 2015

TURBO D'INKA

11. TOXICOLOGICAL INFORMATION (continued)

Chronic:

Prolonged or repeated skin contact may lead to dermatitis. Prolonged contact may cause severe eye irritation and some form of permanent eye damage may occur.

2-Butoxy ethanol:

Oral LD50(rat): 470 mg/kg

Inhalation LC50(rat): 450 ppm/4Hr

Dermal LD50(rabbit): 220 mg/kg

12. ECOLOGICAL INFORMATION

There is no ecological information available for this product, however, large quantities should not be discharged into drains, sewers or waterways.

13. DISPOSAL CONSIDERATIONS

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

14. TRANSPORT INFORMATION

Road Transport

UN Number: None allocated

Proper Shipping Name: NONE ALLOCATED

Dangerous Goods Class: None allocated

Packing Group: None allocated

Label: Irritant (Xi)

Air Transport

UN Number: None allocated

Proper Shipping Name: NONE ALLOCATED

Dangerous Goods Class: None allocated

Packing Group: None allocated

Label: Irritant (Xi)

Sea Transport

UN Number: None allocated

Proper Shipping Name: NONE ALLOCATED

Dangerous Goods Class: None allocated

Packing Group: None allocated

Label: Irritant (Xi)

15. REGULATORY INFORMATION

Poison Schedule: S5 [Aust]

This material is a Scheduled S5 Poison and must be stored, handled and used according to the appropriate regulations.

Inventory Status:

Australia (AICS) Y

United States (TSCA) Y

Europe (EINECS/ELINCS) Y

Y = all ingredients are on the inventory.

Material Safety Data Sheet

Page 6 of 7

Issue date: December 2015

TURBO D'INKA

16. OTHER INFORMATION

Date of Preparation:

Issue date: December 07, 2015

Supersedes: August 08, 2011

Reasons for Update:

1. Alignment with the 2nd Edition of National Code of Practice for the Preparation of Material Safety Data Sheets [NOHSC:2001(2003)].
2. Additions made to Sections 2,3,15 & 16

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 HB76:1997) [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]

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

Disclaimer

This MSDS summarises our best knowledge of the health and safety hazard information available on the product and the measures to be used to handle and use the product safely. Each user should read this MSDS and consider the information in connection with the way the product is intended to be handled or used.

Principal References:

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

Material Safety Data Sheet

Page 7 of 7

Issue date: December 2015

TURBO D'INKA

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