

# Material Safety Data Sheet

## Printing Ink



### 1. CHEMICAL PRODUCT AND EMERGENCY TELEPHONE CONTACT

Product Name : Printing Ink  
Product Code : PP Series  
Product use : For Flexo and Rotogravure Printing  
Emergency Contact No.: +91 484 2802411

### 2. COMPOSITION/INFORMATION ON INGREDIENTS

INGREDIENTS	COMPOSITION %
Aromatic Solvents, Aliphatic Solvents	100%

### 3. HAZARDS IDENTIFICATION EMERGENCY OVERVIEW

- Flammable.
- Keep away from heat.
- Keep away from sources of ignition-No smoking.
- Irritating to skin and respiratory system.
- Harmful by inhalation may cause lung damage if swallowed.
- Vapours may cause drowsiness and dizziness.
- Keep container tightly closed. Keep container in well ventilated place.
- When using do not eat, drink or smoke.
- Keep away from food, drink, and animal feeding stuffs.
- Avoid contact with skin and eyes.
- Repeated exposure may cause skin dryness and cracking.
- Take precautionary measures against static discharges
- .Wear suitable protective clothing, gloves and eye / face protection.
- Avoid release to the environment.
- If swallowed, do not induce vomiting; seek medical advice immediately and show this container or label.

- In case of fire use: Foam, Dry chemical powder, Carbon dioxide, Water spray or fog (for large fires only) as extinguishing media.

#### **4. FIRST AID MEASURES**

**First Aid for Eyes:** Immediately flush eyes with copious amounts of tepid water for at least 15 minutes. The patient should be seen in a health care facility and referral to an ophthalmologist considered.

**First Aid for Skin:** Immediately flush exposed area with copious amounts of tepid water for at least 15 minutes while removing contaminated clothing and shoes, followed by washing area thoroughly with soap and water. The patient should be seen in a health care facility if irritation or pain persists or if symptoms of toxicity develop. Wash contaminated clothing and shoes before reuse.

**First Aid for Inhalation:** Move patient to fresh air and keep warm and at rest. Monitor for respiratory distress. If difficulty in breathing develops or if breathing has stopped, administer artificial respiration and seek medical attention. If trained to do so administer supplemental oxygen with assisted ventilation as required. Caution: Administration of mouth-to-mouth resuscitation may expose the first aid provider to chemical within the victim's lungs or vomit.

**First Aid for Ingestion:** If patient is conscious, immediately give two glasses of water and induce vomiting. Do not make an unconscious person vomit. Get medical attention immediately.

**First Aid for Swallowed:** Rinse mouth with water. Give water to drink. Do not induce vomiting. If vomiting occurs, place person's face downwards, head lower than hips to prevent vomit entering lungs. Seek medical advice.

#### **5. FIRE FIGHTING MEASURES**

**Specific Hazards:** Highly Flammable liquid. May form flammable vapour mixtures with air. All potential sources of ignition (open flames, furnaces, pilot lights, spark producing switches and electrical equipment etc) must be eliminated both in and near the work area.

Do NOT smoke. Flameproof equipment is necessary in areas where this product is being used. Nearby equipment must be adequately earthed. Vapour may travel a considerable distance to a source of ignition and flash back.

**Fire Fighting Advice:** Class 3 Highly Flammable liquid. On burning this product may emit toxic fumes. Heating can cause expansion or decomposition leading to violent rupture of containers. Keep

containers cool with water spray. Fire fighters to wear self-contained breathing apparatus if risk of exposure to vapour or decomposition products.

**Suitable Extinguishing Media:** Foam, water spray or fog. Carbon Dioxide, Dry Chemical powder.  
**DO NOT** use water in a jet.

## **6.ACCIDENTAL RELEASE MEASURES**

Eliminate all sources of ignition. Wear full protective equipment. Contain and absorb using earth, sand or other inert material, do not use sawdust, this is flammable. Transfer into containers for disposal according to local regulations. Do not allow product to enter drains or water courses. Immediately remove all contaminated clothing after containment.

## **7. HANDLING AND STORAGE**

**Storage:** Store in a cool, dry, well ventilated area. Store away from acids, oxidising agents, and sources of heat or ignition. Keep containers closed at all times when not in use. Check regularly for leaks. This material is Harmful and a Scheduled Poison S5. It must be stored, maintained and used in accordance with relevant regulations.

**Handling Precautions:** Use proper personal protective equipment when working with or around.

## **8.EXPOSURE CONTROLS, PERSONAL PROTECTION**

**National Exposure Limits:** No value has been assigned for this specific material by the National Occupational Health and Safety Commission (Worksafe Australia).

**Engineering Controls:** Use process enclosures, local exhaust ventilation or other engineering controls to maintain worker exposure to airborne contaminants below any recommended or statutory limits. Keep containers closed when not in use. Ensure exhaust air does not contaminate other work spaces. Vapour heavier than air - Prevent vapours concentrating in work pits, tanks or sumps. **DO NOT** enter confined spaces where vapour may have collected. Ensure electrical equipment is in accordance with applicable regulations. Equipment used to transfer product should be adequately earthed. Do not use near ignition sources.

**Personal Protection:** Avoid contact with skin and eyes. Wear suitable clothing such as impervious overalls, PVC, or Neoprene gloves, and safety goggles. Where workplace ventilation is assessed as inadequate and vapours/mists are generated, the use of an approved Half or Full Face Respirator with

Type A-P Filter complying with Australian Standards AS1715/1716 is recommended. Select a filter suitable for organic gases and vapours rated for; [boiling point > 65°C]. If working in confined spaces with inadequate ventilation, wear an air-fed full face mask. Always wash hands before smoking, eating, drinking, or using the toilet. Wash contaminated clothing and other protective equipment before storage or re-use.

**Flammability:** Highly flammable. Avoid heat and sources of ignition. Container should be earthed when pouring.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance	: Liquid
Odour	: Solvent
Solubility	: In soluble in water
Finish	: Smooth
Colour	: Various Colours
Viscosity	: 180+/-5 Sec
Specific Gravity	: 1.5
Surface Dry	: 15-30 Sec
Hard Dry	: 4 Hours

## 10. REACTIVITY

**Do not store:** In areas of extreme heat generated by naked flame or heating element. In the presence of incompatible materials.

**At Ambient Temperature:** Product is considered stable. Hazardous polymerisation will not occur.

**Hazardous Decomposition Products:** Carbon dioxide, carbon monoxide, toxic smoke / fumes

## 11. TOXICOLOGICAL INFORMATION

**Acute - Swallowed:** May cause irritation to mouth, throat and digestive tract. Large dose may cause drowsiness and may lead to unconsciousness.

**Acute - Eye:** Irritating to the eyes.

**Acute - Skin:** Irritating to the skin. Has a degreasing action on the skin. Repeated or prolonged skin contact may lead to contact dermatitis and toxic effects.

**Acute - Inhaled:** Vapour may be an irritant to mucous membranes and respiratory tract. Inhalation of vapour can result in headaches, dizziness and possible nausea. Inhalation of high concentrations can produce central nervous system depression, which can lead to loss of co-ordination, impaired judgement and, if exposure is prolonged, unconsciousness. Harmful if inhaled.

**Chronic:** Repeated or prolonged exposure to this chemical could result in central nervous system disorders.

## **12. ECOLOGICAL INFORMATION**

- Prevent release into the environment.
- Do not discharge into sewer or waterways.
- May cause adverse effects to marine organisms.
- May cause adverse effects to marine environment.

## **13. DISPOSAL CONSIDERATIONS**

Do not pour unwanted paint down the drain. Keep unwanted paint in sealed containers for disposal via special chemical waste collections. Empty paint containers should be left open in a well ventilated area to dry out. When dry, recycle steel containers via steel can recycling programs. Disposal of empty paint containers via domestic recycling programs may differ between local authorities. Check with your local council first. Refer to State Land Waste Management Authority.

## **14. TRANSPORTATION INFORMATION**

Product Name: Printing Ink

Other Names: Printing Ink

Manufacturer's Product Code: PP Series

Packaging Group: II Dangerous Goods

Declaration for land shipment: Paint Related Material

## **15. REGULATORY INFORMATION**

- Highly Flammable.
- Irritating to skin and respiratory system.

- Harmful by inhalation may cause lung damage if swallowed.
- Vapours may cause drowsiness and dizziness.
- Keep out of reach of children.
- Keep container tightly closed.
- Keep container in well ventilated place.
- Keep away from food, drink, and animal feeding stuffs.
- Avoid contact with skin and eyes.
- Repeated exposure may cause skin dryness and cracking.
- Take precautionary measures against static discharges
- .Wear suitable protective clothing, gloves and eye / face protection.
- Avoid release to the environment.
- If swallowed, do not induce vomiting; seek medical advice immediately and show this container or label.
- In case of fire use: Foam, Dry chemical powder, Carbon dioxide, Water spray or fog (for large fires only) as extinguishing media.

## **16. OTHER INFORMATION**

**Preparation Date:** 05.08.2015

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**Disclaimer:** The information above is believed to be accurate and represents the best information currently available to us. Users should make their own investigations to determine the suitability of the information for their particular purposes. This document is intended as a guide to the appropriate precautionary handling of the material by a properly trained person using this product.

