

Chemical preparation for Photographic use in the Offset Printing and Packaging Industry

TOP WASH – Material Safety Data Sheet (MSDS)

1. IDENTIFICATION OF THE SUBSTANCE / PREPARATION & THE COMPANY:

- APPLICATION/ USAGE: Water miscible wash for ink rollers blankets & dampening rollers.

2. COMPOSITION / INFORMATION ON INGREDIENTS:

- A blend of aliphatic and aromatic hydrocarbon solvents along with emulsifiers, potash alum and water.

3. HAZARDS IDENTIFICATION:

- Flammable.
- Harmful by inhalation.
- Harmful if swallowed.

4. FIRST AID MEASURE:

- INHALATION: Move the exposed person to fresh air at once. Keep the affected person warm and at rest. Get prompt medical attention.
- INGESTION: Do not induce vomiting. Get medical attention immediately. Remove victim immediately from source of exposure. Provide rest, warmth and fresh air. Rinse mouth thoroughly

5. FIRE FIGHTING MEASURES:

- EXTINGUISHING MEDIA: Use carbon dioxide (CO₂), Foam, Dry chemicals, sand etc.

6. ACCIDENTAL RELEASE MEASURES:

- SPILL CLEANUP METHODS: Extinguish all ignition sources. Avoid sparks, flames, heat and smoking. Ventilate. Provide ventilation and confine spill. Do not allow runoff to sewer.

Absorb in dry sand or earth and place in to containers. Collect spillage in containers, seal securely and deliver for disposal.

7. HANDLING AND STORAGE:

- USAGE PRECAUTIONS: Keep away from heat, sparks, and open flame. Avoid spilling, skin and eye contact. Ventilate well, avoid breathing vapors.
- STORAGE PRECAUTIONS: Flammable / combustible – keep away from oxidizers, heat and flames. Keep in cool, dry Ventilated storage and closed containers. Protect from light, including direct sunrays.

8. STABILITY AND REACTIVITY:

- STABILITY: Normally stable.
- CONDITIONS TO AVOID: Avoid contacts with acids and oxidizing substances. Strong alkalis. Avoid heat, flames and other sources of ignition.
- MATERIALS TO AVOID: Strong oxidizing agents.

9. TOXICOLOGICAL INFORMATION

- HEALTH WARNINGS: Irritant of eyes & mucous membranes. Acts as a defecating agent on skin. Prolonged or repeated exposure may cause irritation.

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10. PHYSICAL & CHEMICAL PROPERTIES:

- **APPEARANCE:** Clear Colourless Liquid
- **ODOUR:** Mild Aromatic odour
- **BOILING RANGE:** 140°C to 210°C
- **SOLUBILITY IN WATER:** Forms emulsions with water and soluble onhydrocarbons and chemical solvents
- **SPECIFIC GRAVITY:** 0.79 ± 0.02
- **EVAPORATION RATE:** < 1 (Butyl acetate = 1)
- **FLASH POINT:** ≥ 40°C
- **VOC:** 97%

11. EXPOSURE CONTROL AND PERSONAL PROTECTION:

- **PROTECTIVE EQUIPMENTS:**
 - Provide eyewash station
 - Provide sufficient ventilation during operation
 - Use protective gloves made of PVC
 - Wear safety goggles

12. ECOLOGICAL INFORMATION:

- **DEGRADABILITY:** This product is biodegradable.

13. DISPOSAL CONSIDERATIONS:

- **DISPOSAL METHODS:** Dispose of in accordance with local regulations. Effluent to be disposed off as per relevant government regulations.

14. TRANSPORT INFORMATION:

- **TABLE FOR CONVEYANCE:**
- **ROAD / SEA**

- **UN No.:** 1268
- **Hazard Class:** Class 3 : Flammable Liquids
- **Proper Shipping Name:** Petroleum distillates (Solvent Naphtha Petroleum)
- **Packing Group:** II

**15. REGULATORY INFORMATION**

- **TABLE FOR SUPPLY:**
- **RISK PHRASES:** R-10 Flammable
R-65 Harmful , may cause long damage if swallowed.

**DISCLAIMER**

This is an Industrial product and the information given in this sheet is based on the data obtained from reliable sources and is accurate to the best of our knowledge. It is subject to changes as part of our overall product development programme. However we do not stand responsible either for any disputes arising out of the above nor liable for any compensation claims thereof.