



COSHH Assessment for Patination Oil

Substance Name: Patination Oil

Assessment Date:

Assessor Name: The Lead Lads

1. Substance Description

- **Type:** Liquid
- **Ingredients:** Hydrocarbon solvents, petroleum distillates, non-drying oils, additives
- **Appearance:** Clear to light amber liquid with an oily consistency

2. Hazards Identification

- **Flammability:** Contains hydrocarbons and petroleum distillates, making it **highly flammable**.
- **Health Hazards:**
 - **Inhalation:** Can cause dizziness, headaches, or respiratory irritation if vapors are inhaled.
 - **Skin Contact:** Prolonged or repeated exposure may cause skin irritation or dermatitis.
 - **Eye Contact:** May cause irritation if splashed into the eyes.
 - **Ingestion:** Harmful if swallowed, could cause nausea, vomiting, or aspiration into the lungs.
- **Environmental Hazards:** Toxic to aquatic life with long-lasting effects if released into the environment.

3. Exposure Control Measures

- **Engineering Controls:**
 - Use in well-ventilated areas to minimize inhalation of vapours.
 - If working indoors, ensure adequate mechanical ventilation.
- **Personal Protective Equipment (PPE):**
 - **Gloves:** Wear solvent-resistant gloves, such as nitrile or PVC.
 - **Eye Protection:** Wear safety goggles if there's a risk of splashing.
 - **Respiratory Protection:** Use a respirator with organic vapor cartridges if ventilation is poor.
 - **Clothing:** Wear protective clothing to avoid skin contact.
- **First Aid Measures:**
 - **Inhalation:** Move to fresh air and seek medical advice if symptoms persist.



- **Skin Contact:** Wash with soap and water; seek medical attention if irritation develops.
- **Eye Contact:** Rinse immediately with plenty of water for at least 15 minutes, and seek medical help if irritation persists.
- **Ingestion:** Do not induce vomiting. Rinse mouth and seek immediate medical attention.

4. Handling and Storage

- **Handling:**
 - Avoid inhaling vapours and contact with skin or eyes.
 - Keep away from heat, sparks, and open flames—use only in well-ventilated areas.
 - Ensure containers are tightly sealed after use to prevent spillage.
- **Storage:**
 - Store in a cool, dry place, away from direct sunlight, heat sources, or oxidizing agents.
 - Keep away from ignition sources.
 - Store in a well-ventilated area in a container suitable for flammable liquids.

5. Accidental Release Measures

- **Spillage:**
 - Absorb spillages with non-combustible absorbent materials (sand, earth, etc.).
 - Use appropriate PPE during cleanup.
 - Avoid allowing the product to enter drains or watercourses.
 - Dispose of the waste material according to local environmental regulations.

6. Disposal Considerations

- Dispose of unused patination oil and contaminated materials in accordance with local waste disposal regulations. Do not pour into drains, sewers, or watercourses.

7. Firefighting Measures

- **Extinguishing Media:** Use foam, dry powder, or carbon dioxide. Do not use water jets.
- **Special Hazards:** In a fire, toxic fumes of carbon monoxide and dioxide may be released.



- **Firefighting Instructions:** Firefighters should wear full protective gear and a self-contained breathing apparatus (SCBA).

8. Occupational Exposure Limits

- **Hydrocarbon Solvents (white spirit):**
 - **Workplace Exposure Limit (WEL):** 100 ppm (8-hour TWA)

Ensure regular monitoring of air quality and solvent vapour concentrations when working with patination oil in confined spaces.

This COSHH assessment ensures compliance with safety regulations and minimizes the risks associated with handling patination oil, protecting both workers and the environment and is brought to you by The Lead Lads.