

ATZOL
MATERIAL SAFETY DATA SHEET
Complies with Directive 91/155/EEC

1. Product & Company Identification

Product Identification: Atzol

Product Use: Gum fixer for printing plates with mild etching qualities.

Supplier: Intaglio Printmaker
9 Playhouse Court
62 Southwark Bridge Road
London
SE1 0AT
Tel: +44 (0) 207 928 2633
Email: info@intaglioprintmaker.com

2. Composition / Information on Ingredients

- Liquid Aqueous 98.9% Gum Arabic
- Acid 0.6% Tannic Acid (C76 H52 O46)
- Acid 0.5% Phosphoric Acid (H3 PO4)

3. Hazards Identification

- **Main hazards:** Solution is slightly acidic. If splashed on skin wash thoroughly. If splashed in eyes rinse thoroughly with water and seek medical advice.

4. First Aid Measures

- **Skin contact:** May cause irritation and redness at site of contact. Wash well with water.
- **Eye contact:** May cause irritation and redness. Wash with running water for 15 minutes and seek medical advice.
- **Ingestion:** Corrosive and may cause soreness and redness of the mouth and throat. If swallowed DO NOT induce vomiting. Give one cup of water every 10 minutes. If unconscious check for breathing and apply artificial respiration if necessary. Place in recovery position and seek urgent medical attention.

5. Fire-Fighting Measures

Inflammable – not a fire hazard.

6. Accidental Release Measures

- **Personal precautions:** Use protective gloves and protect eyes against splashing.
- **Environmental precautions:** Wash spillage area with plenty of water. Spillage's or uncontrolled discharges into water courses must be alerted to the relevant water authorities.
- **Spillages:** Absorb with sand, earth or other suitable absorbent material. Transfer to a container for disposal according to local regulations.

7. Handling and Storage

- **Handling requirements:** Avoid direct contact with substance and adhere to guidelines in sections 8.
- **Storage:** Store in cool, well-ventilated area in suitable containers. Keep tightly closed.

8. Exposure Controls / Personal Protection

- **Engineering measures:** Ensure the work area is well ventilated.
- **Respiratory protection:** Self-contained breathing apparatus should be available in case of emergency.
- **Hand protection:** Use suitable protective gloves.
- **Eye protection:** Use eye protection. Ensure eye bath is to hand.
- **Skin protection:** Use suitable protective gloves.

9. Physical and Chemical Properties

- **State:** Liquid
- **Colour:** Clear
- **Odour:** Characteristic odour
- **Solubility in water:** Soluble
- **Boiling Point:** 147 °C
- **Relative density:** 1.24
- **PH:** <=1

10. Stability and Reactivity

- **Conditions to avoid:** Heat. Direct Sunlight
- **Materials to avoid:** Acids
- **Haz.decomp products:** Contact with acids liberates toxic gas.

11. Toxicological Information

Toxicity

- Phosphoric Acid
- Tannic Acid

12. Ecological Information

- **Mobility:** Soluble in water
- **Degradability:** Orthophosphate is a plant nutrient and may also precipitate heavy metals.
- **Accumulation:** Slightly bioaccumulable.

13. Disposal Considerations

Arrange for collection by specialised disposal company. NB: The user' attention is drawn to the possible existence of regional or national regulations regarding disposal.

14. Transport Information

ADR/RID

UN no. 1805

ADR no. 8

Hazard ID no. 80

Labelling: 8

Shipping name: Phosphoric Acid

IMDG/IMO

UN no. 1805

Class: 8

Packing Group: III

EmS: 8-08

Intaglio printmaker

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Marine Pollutant: No
Labelling: 8

IATA/ICAO

UN no. 1805
Class: 8
Packing Group: III
Packing Instructions: 821
Quantity: 60L
Labelling: 8

15. Regulatory Information

- **Hazard Symbols:** Corrosive
- **Risk phrases:** R34 Causes Burns
- **Safety phrases:** S2 Keep out of reach of children
S24/25 Avoid contact with eyes, rinse immediately with plenty of water and seek medical advice.
S36/37/39 Wear suitable protective clothing, gloves and eye/face protection.
S45 In case of accident or if you feel unwell, seek medical advice immediately (show label where possible).

Note: The regulatory information given above only indicates the principle regulations specifically applicable to the product described in the SDS. The user's attention is drawn to possible existence of additional provisions which complete these regulations. Refer to all applicable national and local regulations or provisions.

16. Other Information

Warning: Do not use with other products.

Legal disclaimer: The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. This company shall not be held liable for any damage resulting from handling or from contact with the above product.