



SAFETY DATA SHEET

Date of issue: 09/07/02

1. Identification of the substance/preparation and of the company/undertaking

Identification of the product

Catalogue No: 36087

ID No.: 3608700

Product name: **Bouin Picro formol fixing solution Gurr**

Use of the substance/preparation: Microscopy product

Manufacturer/supplier identification

Company: VWR International Ltd., Merck House, Poole, Dorset, BH15 1TD, England
Telephone : + 44 (0) 1202 669700 Telefax : + 44 (0) 1202 665599

Emergency telephone No.: + 44 (0) 1202 669700

2. Composition/information on ingredients

Chemical characterization

Solution in water

Product name: Bouin Picro formol fixing solution

CAS number: Not applicable

EC-No.: Not applicable

Hazardous ingredients:

Formaldehyde	10%	
CAS number:	50-00-0	EC-No.: 200-001-8
Symbol:	T	
R-phrases:	R23/24/25-34-40-43	
S-phrases:	S26-36/37/39-45-51	
Carcinogen, Category 3		

Acetic acid	5%	
CAS number:	64-19-7	EC-No.: 200-580-7
Symbol:	C	
R-phrases:	R10-35	
S-phrases:	S23-26-45	

Picric acid	1%	
CAS number:	88-89-1	EC-No.: 201-865-9
Symbol:	E T	
R-phrases:	R2-4-23/24/25	
S-phrases:	S28-35-36/37-45	

3. Hazards identification

Limited evidence of a carcinogenic effect. May cause sensitization by skin contact. Harmful by inhalation, in contact with skin and if swallowed. Irritating to eyes, respiratory system and skin.

4. First aid measures

- Eye contact: Irrigate thoroughly with water for at least 10 minutes. OBTAIN MEDICAL ATTENTION.
- Inhalation: Remove from exposure, rest and keep warm. In severe cases obtain medical attention.
- Skin contact: Wash off skin thoroughly with water. Remove contaminated clothing and wash before re-use. Unless contact has been slight, OBTAIN MEDICAL ATTENTION.
- Ingestion: Wash out mouth thoroughly with water and give plenty of water to drink. OBTAIN MEDICAL ATTENTION.

5. Fire-fighting measures

Special risks:

Not combustible.

Suitable extinguishing media:

To suit environment.

6. Accidental release measures

Wear appropriate protective clothing.

Absorb on an inert absorbent, (e.g. BDH Spillage absorption granules), transfer to a suitable container and arrange removal by disposal company. Wash site of spillage thoroughly with water and detergent.

For large spillages liquids should be contained with sand or earth and both liquids and solids transferred to salvage containers. Any residues should be treated as for small spillages.

7. Handling and storage

Handling:

Do not use metal equipment or containers. Work under fume extractor. Do not inhale substance. Wash hands and face thoroughly after working with material. Contaminated clothing should be removed and washed before re-use. Do not empty into drains.

Storage:

Store at room temperature (15 to 25°C recommended). Keep well closed and protected from direct sunlight and moisture.

8. Exposure controls/personal protection

UK Exposure Limits:

MEL - Formaldehyde:

Long-term: 2.5 mg/m³ (2 ppm) Short term: 2.5 mg/m³ (2 ppm)

Personal protective equipment:

As appropriate to the situation and the quantity handled. Engineering methods to control or prevent exposure are preferred. Methods could include process enclosure or mechanical ventilation.

- Respirator: Self-contained breathing apparatus when vapours are generated.
- Ventilation: Fume cupboard

- Gloves: Rubber or plastic. Gloves subject to permeation or any sign of degradation must be removed and replaced immediately.
- Eye Protection: Goggles or face-shield
- Other Precautions: Plastic apron, sleeves, boots - if handling large quantities

9. Physical and chemical properties

General information:

Form: liquid
Colour: yellow
Odour: slightly pungent

Health, safety and environmental information:

Melting temperature Not available
Boiling temperature Not available
Density(g/ml) Not available
Solubility in water Miscible in all proportions
Flash point Not applicable
Explosion limits: lower: No data

10. Stability and reactivity

light-sensitive.

Substances to be avoided
oxidizing agents, metals (Formation of explosive salts possible.)
The possibility of reaction with other substances cannot be excluded.

11. Toxicological information

- Inhalation may lead to the formation of oedemas in the respiratory tract. Lacrimal irritation due to vapours.
- After eye contact: irritant effect
- After skin contact: irritant effect. Sensitization possible in predisposed persons.
- After ingestion: irritant effect (mouth, pharynx, oesophagus, gastrointestinal tract).
- Systemic effect: narcosis, blindness.

Further data

No data

Should be treated as a suspected carcinogen.

12. Ecological information

Adverse ecological effects cannot be excluded in the event of improper handling or disposal.

Remarks:

Do not allow to enter drinking water supplies, waste water, or soil!

13. Disposal considerations

Chemical residues are generally classified as special waste, and as such are covered by regulations which vary according to location. Contact your local waste disposal authority for advice, or pass to a chemical disposal company. Rinse out empty containers thoroughly before returning for recycling.

14. Transport information

Not subject to transport regulations.

15. Regulatory information

Labelling according to EC directives

Symbol: Xn Harmful.

R-phrases: R40-43-20/21/22-36/37/38

Limited evidence of a carcinogenic effect. May cause sensitization by skin contact. Harmful by inhalation, in contact with skin and if swallowed. Irritating to eyes, respiratory system and skin.

S-phrases: S26-36/37-45-51

In case of contact with eyes, rinse immediately with plenty of water and seek medical advice. Wear suitable protective clothing and gloves. In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible). Use only in well ventilated areas.

EC-No.: Not applicable

Local Regulations

Within the UK, the use of this material must be assessed under the Control of Substances Hazardous to Health (COSHH) regulations.

16. Other information

Revision.

Supersedes edition of: 20/03/00

Reason for alteration: Changes in Section : 3,5,8,15

Date of issue: 09/07/02

Date of print: 16/12/04

Text of R phrases listed in section 2

R10:	Flammable.
R2:	Risk of explosion by shock, friction, fire or other sources of ignition.
R23/24/25:	Toxic by inhalation, in contact with skin and if swallowed.
R34:	Causes burns.
R35:	Causes severe burns.
R4:	Forms very sensitive explosive metallic compounds.
R40:	Limited evidence of a carcinogenic effect.
R43:	May cause sensitization by skin contact.