



SAFETY DATA SHEET

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

Identification of the product

Catalogue No: P20643

ID No.: 2203500

Product name: **Picric acid solution, 1.2%**

Manufacturer/supplier identification

Company: VWR International Ltd, Merck House, Poole, Dorset, BH15 1TD, England
Telephone : 01202 669700 Telefax : 01202 665599

Emergency telephone No.: 01202 669700

2. Composition/information on ingredients

Chemical characterization

Solution in water

Product name: Picric acid solutions

CAS number: Not applicable

EC-No.: Not applicable

Hazardous ingredients:

Picric acid	<2%	
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

Not classified as dangerous according to EC Directives.

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. In severe cases, 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:

May evolve toxic fumes in fire.

Suitable extinguishing media:

Water spray

6. Accidental release measures

Wear appropriate protective clothing.

If local regulations permit, mop up with plenty of water and run to waste, diluting greatly with running water. Otherwise absorb on an inert absorbent, transfer to container and arrange removal by disposal company. Ventilate area to dispel residual vapour.

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. Under no circumstances eat, drink or smoke while handling this material. Wash hands and face thoroughly after working with material. Contaminated clothing should be removed and washed before re-use.

Storage:

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

8. Exposure controls/personal protection

As appropriate to the situation and the quantity handled.

Respirator: Not applicable

Ventilation: Not applicable

Gloves: Rubber or plastic

Eye Protection: Goggles or face-shield

Other Precautions: Plastic apron, sleeves, boots - if handling large quantities

9. Physical and chemical properties

Form:	liquid
Colour:	yellow
Odour:	odourless
Melting temperature	~0°C
Boiling temperature	~100°C
Density(g/ml)	1.0
pH value	1.4
Solubility in water	Miscible in all proportions
Flash point	Not applicable
Explosion limits: lower:	Not applicable
Auto-ignition temperature	Not applicable

10. Stability and reactivity

explosible after loss of solvent content.

Substances to be avoided

aluminium, fluorine, alkaline earth metals, heavy metals (risk of explosion!).

The possibility of reaction with other substances cannot be excluded.

11. Toxicological information

After inhalation: May be harmful.

After eye contact: May irritate.

After skin contact: dermatitis. Risk of absorption.

Systemic effect: changes in the blood picture. Toxic effect on: liver, kidneys. After ingestion of large amounts: gastrointestinal tract, vomiting.

Further data

No data

No evidence of carcinogenic properties. Evidence of mutagenic effects.

12. Ecological information

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

UN-No.: Not subject to transport regulations.

IMO:

IATA:

Correct technical name:

ADR/RID:

IMDG class:

Packaging group:

Packaging group:

15. Regulatory information

Labelling according to EC directives

Symbol:

R-phrases: R99

Not classified as dangerous according to EC Directives.

S-phrases: S28A

After contact with skin, wash immediately with plenty of soap and water.

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.

UK Exposure Limits: OES - Picric acid:

Long term: 0.1 mg/m³ Short term: 0.3 mg/m³ (ILV)

16. Other information

Revision.

Supercedes issue of 18/08/94

Changes in Section : 2,11,14,15

Date of issue: 22/08/01

Date of print: 07/01/02