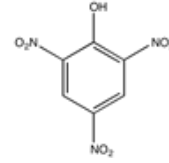


**Picric acid (with approx. 30% H<sub>2</sub>O), for analysis, ExpertQ®, ACS,  
Reag. Ph Eur****Identification**

C<sub>6</sub>H<sub>3</sub>N<sub>3</sub>O<sub>7</sub>  
M = 229,11 g/mol  
CAS [88-89-1]  
EC number: 201-865-9  
Taric code: 2908 99 00

**Synonyms**

2,4,6-Trinitrophenol

**Applications**

analytical chemistry, laboratory reagent, chromatography.

**Specifications**

assay (acidimetric, on dried sample)..... min. 99 %  
identity (IR-spectrum)..... passes test  
insoluble in toluene..... max. 0,1 %  
insoluble and resinous matter..... max. 0,01 %

insoluble in water..... max. 0,03 %  
chlorides (Cl)..... max. 0,001 %  
sulfates (SO<sub>4</sub>)..... max. 0,01 %  
residue on ignition..... max. 0,05 %  
water ..... min. 30 %

**Physical data**

- Solub. in water: (20 °C): slightly soluble
- Melting point: 121,4 °C
- Flash point: 150 °C
- Ignition temperature: 300 °C

**Safety - GHS**

**Signal Word:** Danger

**Hazard Statements:**

- H228: Flammable solid.
- H301: Toxic if swallowed.
- H311: Toxic in contact with skin.
- H331: Toxic if inhaled.
- EUH001: Explosive when dry.

**Precautionary Statements:**

- P210: Keep away from heat / sparks / open flames / hot surfaces. - No smoking.
- P241: Use explosion-proof electrical / ventilating / lighting / equipment.
- P301+P310: IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician.
- P370+P378: In case of fire: Use ... for extinction.
- P405: Store locked up.
- P501a: Dispose of contents / container in accordance with local / regional / national / international regulations.

**Transport/storage**

- ADR: 4.1 D I • UN 1344 • TRINITROPHENOL (PICRIC ACID), WETTED
- IMDG: 4.1 I • UN 1344 • PICRIC ACID, WETTED
- IATA/ICAO: 4.1 I • UN 1344 • PICRIC ACID, WETTED
- PAX: 416
- CAO: 412
- 10°C - 30°C