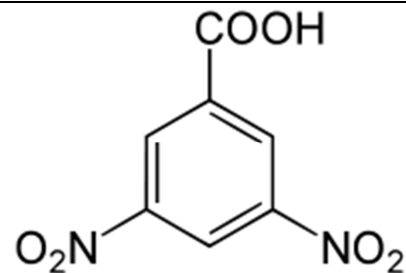




3,5-Dinitrobenzoic acid (3,5-DNBA)

Technical Data Sheet (TDS)

- **Chemical formula:** $C_7H_4N_2O_6$
- **CAS:** 99-34-3
- **RTECS:** DG9140700
- **EINECS:** 202-751-1
- **Appearance:** White or yellowish crystalline product with no foreign inclusions.



Synonyms: Benzoic acid, 3,5-dinitro-; Acido 3,5-dinitrobenzoico; Acide 3,5-dinitrobenzoïque; 3-Carboxy-1,5-Dinitrobenzene.

PHYSICAL AND CHEMICAL PROPERTIES

Physical Description	odorless solid
3,5-DNBA (wt, min)	99 %
Molecular weight	212,12 g/mol
Water solubility (at 25 °C)	0,1 %
Density (at 20 °C)	1.683 g/cm ³
Melting point	204-205 °C
pH value	2,6
Volatility (at 21 °C)	0 %

TOXICOLOGICAL DATA

LD 50 (oral, rat): 3940 mg/kg

TRANSPORT/STORAGE

Polyethylene bags of 25 kg in weight on pallets of up to 1000 kg.

APPLICATION AREAS

Pharmaceutical production (intermediate product for contrast radiography preparations), corrosion inhibitors and in analytical chemistry

Version: English
Issue: 01
Date: July 2012
Technical Data Sheet
3,5-DNBA

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