

Safety data for isophthalic acid

[Glossary](#) of terms on this data sheet.

The information on this web page is provided to help you to work safely, but it is intended to be an overview of hazards, not a replacement for a full Material Safety Data Sheet (MSDS). MSDS forms can be downloaded from the web sites of many chemical suppliers.

General

Synonyms: benzene-1,3-dicarboxylic acid, isophthalate, m-phthalic acid

Use:

Molecular formula: $C_8H_6O_4$

CAS No: 121-91-5

EC No: 204-506-4

Physical data

Appearance: white powder

Melting point: 341 - 343 C

Boiling point:

Vapour density:

Vapour pressure:

Density ($g\ cm^{-3}$):

Flash point:

Explosion limits:

Autoignition temperature: 647 C

Water solubility:

Stability

Stable. Incompatible with strong oxidizing agents, strong bases.

Toxicology

Eye, skin and respiratory irritant.

Toxicity data

(The meaning of any abbreviations which appear in this section is given [here.](#))

ORL-RAT LD50 10400 mg kg⁻¹

IPR-MUS LD50 4200 mg kg⁻¹

Risk phrases

(The meaning of any risk phrases which appear in this section is given [here.](#))

R36 R37 R38.

Transport information

Non-hazardous for air, sea and road freight.

Personal protection

Safety glasses.

Safety phrases

(The meaning of any safety phrases which appear in this section is given [here.](#))

S26 S36.

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SPECIFICATION

Acid Number	mgKOH/g	675±2
Moisture	wt%	0.08 max
Isophthalic Acid	wt%	99.8 min
3-CBA	ppm	5 max
M-Toluic Acid	ppm	50 max
Ash	ppm	3 max
Total Metal	ppm	3 max
Co	ppm	0.2 max
Mn	ppm	0.2 max
Fe	ppm	0.2 max