

Safety data for catechol

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: o-dihydroxybenzene, o-benzenediol, 1,2-benzenediol, catechin, 1,2-dihydroxybenzene, o-hydroxyphenol, 2-hydroxyphenol, oxyphenic acid, phthalhydroquinone, C.I. 76500, C.I. oxidation base 26, pelagol grey c, pyrocatechin

Molecular formula: $C_6H_6O_2$

CAS No: 120-80-9

EC No: 204-427-5

Physical data

Appearance: white to tan solid

Melting point: 104 - 106 C

Boiling point: 245 C

Specific gravity:

Vapour pressure: 1 mm Hg at 75 C

Vapour density 3.8

Flash point: 137 C

Explosion limits: 1.97% (lower)

Autoignition temperature:

Stability

Stable. Substances to be avoided include acid chlorides, acid anhydrides, bases, oxidizing agents, nitric acid. Light sensitive; may discolour on exposure to air. Combustible.

Toxicology

Corrosive, causes burns. Harmful by inhalation, ingestion and through skin absorption. Readily absorbed through skin. Very destructive of mucous membranes and upper respiratory tract, eyes and skin. Target organs: CNS, kidneys, liver.

Toxicity data

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

ORL-RAT LD50 260 mg kg⁻¹

ORL-MUS LD50 260 mg kg⁻¹

SKN-RBT LD50 800 mg kg⁻¹

ORL-GPG LD50 210 mg kg⁻¹

Risk phrases

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

R21 R22 R36 R38

Transport information

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

UN No 2923. Packing group II. Hazard class 8.0. Transport category 2.

Personal protection

Safety glasses. Suitable ventilation.

Safety phrases

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

S22 S26 S37.

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Catechol specification

CATECHOL	
APPEARANCE	Off White Flakes
ASSAY GLC	99,88 %
WATER	0,03 %
PHENOL	0,03 %
HYDROQUINONE (GLC)	< 150 ppm
M.P.	104,0 °C
PACKING	25 KGS/BAG
CAS NO.	120-80-9
USES of CATECHOL : CATECHOL is used in production of pesticides, its precursor is used in fine chemicals such as perfumes and pharmaceuticals. Used in Photochemicals and Printing industry, use in bruise detection in potato industry.	