



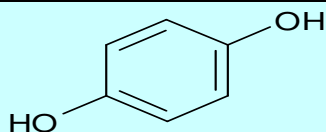
SDFCL
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Quality Control Dept.



Q Product Specification

E Control	QC2\DATAD\D:\PS\20312XPS.xls
PRODUCT CODE	20312
PRODUCT NAME	QUINOL AR Meets Analytical Specification of USP (Suitable for photographic applications)
SYNONYMS	(Hydroquinone, 1,4-Benzenediol, 1,4-Dihydroxybenzene)
C.I. NO.	--
CASR NO.	(123-31-9)
ATOMIC OR MOLECULAR FORMULA	C ₆ H ₄ (OH) ₂
ATOMIC OR MOLECULAR WEIGHT	110.11
PROPERTIES	Soluble in water, alcohol and ether. Combustible.



PARAMETER	LIMIT
Description	Fine white crystals or needles or almost colourless crystalline powder. Darken on exposure to air and light.
Solubility	4% solution in water is clear & colourless, not more than faintly coloured.
Identification (By FTIR)	Conforms.
Minimum Assay (GC)	99.50%
Melting Point	172° - 174 °C
Water	Max. 0.5%
Sulphated ash	Max. 0.05%
MAXIMUM LIMIT OF IMPURITIES	
Sulphate (SO ₄)	0.02%
Catechol (GC)	0.1%
Copper (Cu)	0.001%
Iron (Fe)	0.001%
Heavy metals (as Pb)	0.001%
Organic volatile impurities	Meets the requirement.
Resorcinol (GC)	0.1%
Readily carbonizable substances	Passes test.

Note(s) : Assay (if applicable) method mentioned.

DANGER

Hazard statements : May cause respiratory irritation. Fatal if swallowed. Causes skin irritation. May cause allergic skin reaction. Suspected of causing cancer. Causes serious eye damage. Very toxic to aquatic life

Precautionary statements

Prevention : Contaminated clothing should not be allowed out of the workplace. Wash thoroughly after handling. Avoid breathing dust/fume/gas /mist/vapours/spray. Use personal protective equipment as required. Do not handle until all safety precautions have been read and understood. Obtain special instructions before use. Wash hands thoroughly after handling. Do not eat, drink or smoke when using this product.

Response: Wear eye/face protection. If skin irritation occurs, seek medical advice/attention. IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If skin irritation or rash occurs, seek medical advice/attention. If exposed or concerned: Get medical attention advice. If eye irritation persists, get medical advice/attention.

IIMDG Code : 9/III

UN No. : 3077

IATA : 9

IF ON SKIN: Gently wash with plenty of soap and water. Wash/Decontaminate removed clothing before reuse. Remove/Take off immediately all contaminated clothing. Immediately call a POISON CENTER or doctor/physician. Wash contaminated clothing before reuse. IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician. Specific treatment: refer to Label or MSDS.

Disposal: Dissolve the chemical to be disposed, in water and allow it to run to waste, diluting with large quantities of water. The chemical should be mixed combustible solvent and burnt in a chemical incinerator equipped with burner and scrubber.

Hazard Pictogram(s) :





Acute toxicity



Aspiration hazard



Corrosive to metals



Aquatic environment

Prepared By :	Checked By:	Approved By:	Issue Date : 01.07.2002
Name/Dept. : Officer (Q.A.)	Name/Dept.:Incharge(Q.A.)	Name/Dept. : Incharge (Tech.)	Revision No.: 03
Sign. :	Sign. :	Sign. :	Revision dt. : 02.04.2010
Date : 01.04.2010	Date : 01.04.2010	Date : 02.04.2010	AMEND NO. :1554

