



SDFCL
s d fine-CHEM limited

Quality Control Dept.

Product Specification



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PRODUCT CODE	20122		
PRODUCT NAME	HYDRIODIC ACID AR		
SYNONYMS	--		
C.I. NO.	--		
CASR NO.	(10034-85-2)		
ATOMIC OR MOLECULAR FORMULA	HI		
ATOMIC OR MOLECULAR WEIGHT	127.91		
PROPERTIES	A constant -boiling solution is formed(bp-127, d- 1.7) containing 57% hydrogen iodide; strong acid and an active reducing agent.		
HI			
PARAMETER	LIMIT		
Description	A colourless liquid when freshly distilled rapidly becomes yellow to reddish brown through liberation of iodine.		
Solubility	Miscible with water forming clear solution.		
Assay(Acid-base titration)	54.0 - 56.0%		
MAXIMUM LIMIT OF IMPURITIES			
Non volatile matter	0.02%		
Free iodine (I ₂)	0.75%		
Chloride & Bromide (Cl)	0.03%		
Phosphorous compounds (PO ₄)	0.0002%		
Sulphur compounds (SO ₄)	0.005%		
Arsenic (As)	0.0005%		
Copper (Cu)	0.0005%		
Iron (Fe)	0.001%		
Lead (Pb)	0.0005%		
Note(s) : Assay (if applicable) method mentioned.			
DANGER Hazard statements: May cause allergic skin reaction. Suspected of damaging the unborn child. May be corrosive to metals. Causes severe skin burns and eye damage. Causes serious eye damage Precautionary statements Prevention: Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Keep only in original container. Do not breathe dust/fume/gas/mist/vapours/spray. Avoid breathing dust/fume/gas/mist/vapours/spray. Wash thoroughly after handling. Contaminated work clothing should not be allowed out of the workplace. Wear protective gloves/protective clothing/eye protection/face protection. Use personal protective equipment as required. Response: IF SWALLOWED: Rinse mouth. Do NOT induce vomiting. IF ON SKIN: Wash with plenty of soap and water. IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower. IF INHALED: Remove to fresh air and keep at rest in a position comfortable for breathing. IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue Wash contaminated clothing before reuse. Absorb spillage to prevent material damage.			IMDG Code : 8/II UN No. : 1787 IATA : 8
Disposal: ----			
Hazard Pictogram(s) :			
 Aspiration hazard  Corrosive to metals			
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.: 02
Sign. :	Sign. :	Sign. :	Revision dt. : 02.04.2010
Date : 01.04.2010	Date : 01.04.2010	Date : 02.04.2010	AMEND NO. :1554

