

## HYDRIODIC ACID AR/ACS

PRODUCT CODE	544305
SYNOMYS	--
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.
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)	55.0 - 58.0%
MAXIMUM LIMIT OF IMPURITIES	
Non volatile matter	0.02%
Free iodine (I <sub>2</sub> )	0.75%
Chloride & Bromide (Cl)	0.05%
Phosphorous compounds (PO <sub>4</sub> )	0.0002%
Sulphur compounds (SO <sub>4</sub> )	0.005%
Arsenic (As)	0.0005%
Copper (Cu)	0.0005%
Iron (Fe)	0.001%
Heavy metals (Pb)	0.001%
Note(s) : Assay (if applicable) method mentioned.	
<b>DANGER</b>	IMDG Code : 8/II UN No. : 1787 IATA : 8
<b>Hazard statements:</b> 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	
<b>Precautionary statements</b>	
<b>Prevention:</b> 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.	
<b>Response:</b> IF SWALLOWED: Rinse mouth. Do NOT induce vomiting. IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower. 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.	
<b>Disposal :</b> -----	
<b>Hazard Pictogram(s) :</b>	
 	

Replace Date 14-Feb-2026