

HYDRIODIC ACID AR/ACS

PRODUCT CODE	544305
SYNONYMS	--
C.I. NO.	--
CASR NO.	(10034-85-2)
ATOMIC OR MOLECULAR FORMULA	HI
ATOMIC OR MOLECULAR WEIGHT	127.91
PROPERTIES	HI 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 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.

<p>DANGER</p> <p>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</p> <p>Precautionary statements</p> <p>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.</p> <p>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.</p> <p>Disposal : -----</p>	<p>IMDG Code : 8/II UN No. : 1787 IATA : 8</p>
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<p>Hazard Pictogram(s) :</p> <div style="display: flex; justify-content: center; gap: 20px;">   </div> <p style="text-align: center;">GHS05 GHS08</p>

Replace Date 06-Apr-2023