



BARIUM HYDROXIDE OCTAHYDRATE AR/ACS

PRODUCT CODE	461915
SYNONYMS	—
C.I. NO.	—
CASR NO.	12230-71-6
ATOMIC OR MOLECULAR FORMULA	Ba(OH) ₂ .8H ₂ O
ATOMIC OR MOLECULAR WEIGHT	315.47
PROPERTIES	Absorbs carbon dioxide from air; soluble in water, alcohol, ether.
PARAMETER	LIMIT
Description	Moist colourless crystals which absorbs carbon dioxide from the atmosphere.
Solubility	4% Solution in dilute hydrochloric acid and water is clear and colourless.
Minimum assay (Acidimetric)	98.0%
MAXIMUM LIMIT OF IMPURITIES	
HCl insoluble matter	0.005%
Chloride (Cl)	0.001%
Sulphide (S)	0.0005%
Carbonate (BaCO ₃)	2.0%
Calcium (Ca)	0.05%
Iron (Fe)	0.001%
Lead (Pb)	0.0005%
Strontium (Sr)	0.5%
Subs. not pptd by H ₂ SO ₄ (as Sulphate)	0.2%
Note(s) : Assay (if applicable) method mentioned.	
WARNING HAZARD DANGER Harmful if swallowed. Causes skin irritation. Causes serious eye damage. May cause respiratory irritation. PRECAUTIONARY STATEMENTS Prevention: Avoid breathing dust/ fume/ gas/ mist/ vapours/ spray. Wash. thoroughly after handling. Do not eat, drink or smoke when using this product. Use only outdoors or in a well- ventilated area. Wear protective gloves/protective clothing/eye protection/face protection. Response: IF SWALLOWED: Call a POISON CENTER or doctor/physician if you feel unwell. IF ON SKIN: Wash with plenty of soap and water. IF INHALED: Remove victim 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 rinsing. Immediately call a POISON CENTER or doctor/physician. Call a POISON CENTER or doctor/physician if you feel unwell. Rinse mouth. If skin irritation occurs: Get medical advice/attention. Take off contaminated clothing and wash before re- use	IMDG Code : 8/II UN No. : 3262 IATA : 8
Disposal : The chemical should be mixed with combustible solvent and burnt in a chemical incinerator equipped with burner and scrubber	
Hazard Pictogram(s) :	
 	
<div>GHS05</div> <div>GHS07</div>	

Replace Date 06-Jan-2026