





# Product Specification

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## BARIUM HYDROXIDE OCTAHYDRATE PURIFIED

PRODUCT CODE	027295
SYNONYMS	—
C.I. NO.	—
CASR NO.	12230-71-6
ATOMIC OR MOLECULAR FORMULA	Ba(OH) <sub>2</sub> ·8H <sub>2</sub> 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)	97.0%
MAXIMUM LIMIT OF IMPURITIES	
Alkalies (Na)	0.2%
Chloride (Cl)	0.05%
Carbonate (BaCO <sub>3</sub> )	2.0%
Iron (Fe)	0.005%
Lead (Pb)	0.005%
Note(s) : Assay (if applicable) method mentioned.	
<b>WARNING</b> <b>HAZARD DANGER</b> Harmful if swallowed. Causes skin irritation. Causes serious eye damage. May cause respiratory irritation. <b>PRECAUTIONARY STATEMENTS</b> <b>Prevention:</b> 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. <b>Response:</b> 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	
<b>Disposal :</b> The chemical should be mixed with combustible solvent and burnt in a chemical incinerator equipped with burner and scrubber	
Hazard Pictogram(s) :	
 	
GHS05      GHS07	

Replace Date 06-Jan-2026