



Product Specification

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BARIUM HYDROXIDE OCTAHYDRATE

PRODUCT CODE	H05805
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.
Ba(OH) ₂ ·8H ₂ O	
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	
Acid insoluble matter	0.01%
Chloride (Cl)	0.001%
Heavy metals (Pb)	0.0005%
Iron (Fe)	0.001%
Sulphide (S)	Passes test
Carbonate (CO ₃)	2.0%
Potassium (K)	0.01%
Sodium (Na)	0.01%
Calcium (Ca)	0.05%
Strontium (Sr)	0.8%
Note(s) : Assay (if applicable) method mentioned.	
WARNING	IMDG Code : 8/II
HAZARD DANGER Harmful if swallowed. Causes skin irritation. Causes serious eye damage. May cause respiratory irritation.	UN No. : 3262
PRECAUTIONARY STATEMENTS	IATA : 8
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	
Disposal : The chemical should be mixed with combustible solvent and burnt in a chemical incinerator equipped with burner and scrubber	
Hazard Pictogram(s) :	
	
GHS05	GHS07