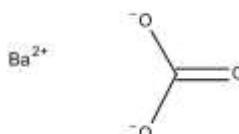


BARIUM CARBONATE AR/ACS

PRODUCT CODE	461740
SYNOMYS	—
C.I. NO.	—
CASR NO.	513-77-9
ATOMIC OR MOLECULAR FORMULA	BaCO ₃
ATOMIC OR MOLECULAR WEIGHT	197.34
PROPERTIES	Insoluble in water, soluble in acids (except Sulfuric). 
PARAMETER	LIMIT
Description	A white to off white powder.
Solubility	10% soln. in dilute HCl and water is almost clear and colourless.
Minimum assay (Acidimetric)	99.0%
MAXIMUM LIMIT OF IMPURITIES	
Substances insoluble in dilute hydrochloric acid	0.015%
Chloride (Cl)	0.002%
Sulphide (S)	0.001%
Calcium (Ca)	0.05%
Iron (Fe)	0.002%
Lead (Pb)	0.001%
Strontium (Sr)	0.7%
Substances oxidisable as (NO ₃)	0.005%
Hydroxide & alkali carbonate as (Ba(OH) ₂)	0.015%
Substance not precipitated by sulphuric acid (SO ₄)	0.2%
Note(s) : Assay (if applicable) method mentioned.	
WARNING	IMDG Code : -- UN No. : -- IATA : --
Hazard statements : May cause respiratory irritation. Causes skin irritation. Causes serious eye irritation.	
Precautionary statements	
Prevention: Avoid breathing dust/fume/gas/mist/vapours/spray. Wash thoroughly after handling. Use only outdoors or in a well-ventilated area. Wear protective gloves/protective clothing/eye protection/face protection.	
Response: 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 rinsing. Call a POISON CENTER or doctor/physician if you feel unwell. If eye irritation persists: Get medical advice/attention.	
Disposal: Dissolve the chemical to be disposed, in water and allow it to run to waste, diluting with large quantities of water. The quantities greater than 10g should be dissolved in water and transferred to heavy metal waste drums for collection by specialist disposal company.	
Hazard Pictogram(s) :	

Replace Date 12-Jan-2026