

## BARIUM HYDROXIDE OCTAHYDRATE AR/ACS

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| PRODUCT CODE  | 461915   |
| 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)   | 98.0%  |
| MAXIMUM LIMIT OF IMPURITIES   |  |
| HCl insoluble matter  | 0.005%   |
| Chloride (Cl)   | 0.001%   |
| Sulphide (S)  | 0.0005%  |
| Carbonate (BaCO <sub>3</sub> )  | 2.0%   |
| Calcium (Ca)  | 0.05%  |
| Iron (Fe)   | 0.001%   |
| Lead (Pb)   | 0.0005%  |
| Strontium (Sr)  | 0.5%   |
| Subs. not ppted by H <sub>2</sub> SO <sub>4</sub> (as Sulphate)   | 0.2%   |
| Note(s) : Assay (if applicable) method mentioned.   |  |
| WARNING   | IMDG Code : 8/II<br>UN No. : 3262<br>IATA : 8  |
| HAZARD DANGER   | Harmful if swallowed. Causes skin irritation. Causes serious eye damage. May cause respiratory irritation. |
| PRECAUTIONARY STATEMENTS  |  |
| <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) :   |  |
| <br>GHS05 <br>GHS07   |  |

Replace Date 06-Jan-2026