

2020

HAN INDUSTRIAL  
CORPORATION LIMITED

# Barium Nitrate

CAS: 10022-31-8

MF: Ba(NO<sub>3</sub>)<sub>2</sub>

UN 1446 Class 5.1(6.1) / PG II



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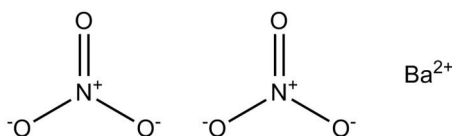
## Technical Sheet of Barium Nitrate

**PRODUCT:** Barium Nitrate

**CAS # :** 10022-31-8

**MOLECULAR FORMULA:** Ba(NO<sub>3</sub>)<sub>2</sub>

**CHEMICAL STRUCTURE:**



**APPEARANCE:** White crystalline

**MOL. WT.:** 261.34

ITEM	SPECIFICATION	RESULTS
Ba(NO <sub>3</sub> ) <sub>2</sub> content	99.0% min.	99.2%
Fe	0.10%max	0.003%
Chloride	0.10%max	0.028%
Water-Insoluble	0.20%max	0.01%
Moisture	0.10%max	0.02%
Density	3.1-3.3 g.cm <sup>3</sup>	3.24

### APPLICATION:

Baratto is a dense explosive consisting of barium nitrate, TNT, and an adhesive.

The flash powder obtained by mixing aluminum powder and barium nitrate is explosive.

Barium nitrate is mixed with thermite to produce TH3, used in hand grenades.

Barium nitrate is also used in barium oxide preparation, vacuum tube industry and green fireworks.

**PACKAGING:** Net Weight: 25kgs / Bag

