



# Betaine Powder PRODUCT DATA SHEET

## NATURAL BETAINE AS BETAINE ANHYDROUS

### GENERAL DESCRIPTION

CAS No.: 107-43-7; EINECS/ELINCS No.: 203-490-6

REACH Reg. No.: 01-2119520508-42

- Chemical Name: Trimethylglycine, 1-carboxy-N,N,N-trimethylmethanaminiumhydroxide, inner salt, glycine betaine
- Chemical Formula:  $C_5H_{11}NO_2$
- Natural betaine as betaine anhydrous is produced from GMO-free sugar beets (Beta vulgaris, roots).
- INCI Name: Betaine
  
- Appearance: white, free-flowing crystals
- Odour, taste: pure, specific with faint molasses odour

### REGULATORY COMPLIANCE

- **EU REACH:** not a Substance of Very High Concern (SVHC) or containing an SVHC; non-hazardous, no CLP classification
- **Cosmetic Regulations:** not listed on banned or restricted lists
- **GMO:** does not contain genetically modified organisms, and is not derived from GMO, certified

### ANALYTICAL DATA

- Betaine content (on d.s., HPLC): min. 99,0 %
- Loss on drying (oven method): max. 2,0 % (when packed)
- pH (5 % (w/w) solution in distilled water, at 20 °C): 5,0 - 7,0

### MICROBIOLOGY

- Total plate count max. 100 cfu/g
- Yeast max. 100 cfu/g
- Mould max. 100 cfu/g

### FIELD OF APPLICATION

- Dosage Recommendation: Personal Care 2-5 %

**STORAGE AND SHELF-LIFE**

If properly stored under dry conditions at room temperature in sealed original packages, protected from direct sunlight and humidity (max. 70 % relative humidity): 24 months from production date

**INFORMATION OF STABILITY:**

Betaine is heat stable up to 200 °C / 390 °F

**PACKAGING**

- In PE bags of 20 kg on pallets of 880 kg

**SAFETY INSTRUCTIONS**

Provide good ventilation to avoid formation of dust during handling. Due to the hygroscopic nature of the product, avoid prolonged contact with skin, eyes and mucous membranes. In case of accidental contact with skin or eyes, flush with water. For further information, please see the Material Safety Data Sheet.

**CUSTOMS TARIFF NUMBER**

- 2923 900090

Above stated information is indicative only and no responsibility can be assumed. Recommendation is made to check suitability of our product by doing tests on your own.