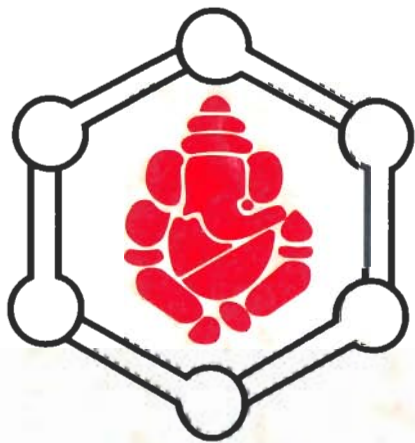
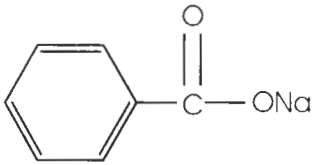


SODIUM BENZOATE

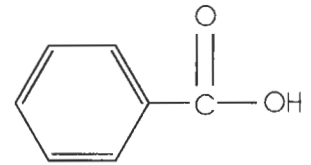


Sodium Benzoate



Food, Pharmaceutical & Technical grade

Benzoic Acid



The Safest Food Preservative

- ✓ The Benzoate are rapidly and almost completely absorbed from the gastrointestinal tract. They are detoxified in the liver by conjugation with glycine resulting in hippuric acid formation. Body **eliminates** hippuric acid **through urination**.
- ✓ Sodium Benzoate and Benzoic Acid are employed in a **wide range of preservative** applications because of its combination of **bactericidal and bacteriostatic**.
- ✓ Together they are the most **effective preservatives against yeast and mould**.
- ✓ Healthy individual may tolerate **0.5 g benzoate per day** in concentration of 0.1% without any ill effect. Dogs can tolerate 1.7g/kg of body weight without any danger.
- ✓ It is the safest food additive with **non-toxicity, no side effect and tastelessness**.
- ✓ It is environmentally safe.

Near to natural product

Benzoic Acid in free state or in the form of salts is widely distributed in nature. Gum Benzoin from styrax benzoin, Acaroid resin from Xanthorrhoea haslilis, scent gland of beaver, the bark of wild cherry tree, ripe cloves and oil of anise seed contain Benzoic acid. Sodium salt of Benzoic acid - Sodium Benzoate and Benzoic Acid are near to natural product.

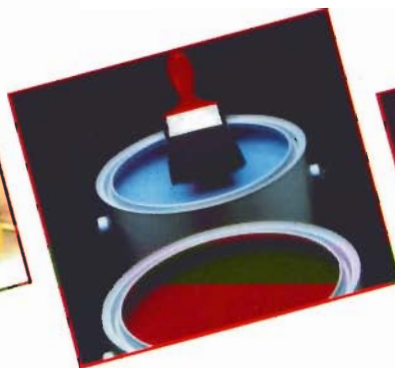
GBL, leaders in the field

Ganesh Benzoplast Ltd., **manufactures** Benzoic Acid and Sodium Benzoate in their **computerized plant** at Tarapur, Maharashtra, by the world renowned route of **oxidation of Toluene**. It is the only process to manufacture pure Benzoic Acid, conforming to **International Standard** for Food Grade. The Company exports this product to more than 40 countries including U.S.A., France, Germany, Australia and Latin America.

Quality conscious users - BEWARE !!

Listed below are the hazards of product manufactured by other than Toluene Oxidation process

- ✓ Benzoic Acid can also be produced from the route of chlorination of Benzaldehyde to benzotrichloride, and finally converted to Benzoic Acid, The final product contains many **harmful carcinogenic organic chloride**.
- ✓ The other route of manufacturing of Benzoic Acid is from Methyl benzoate, available as by-product from DMT. The final product obtained contains lot of impurities including degraded **polymeric impurities**.
- ✓ Benzoic Acid and Sodium Benzoate manufactured from these routes, do not conform to standard of purity **other than Toluene** prescribed by FDA/ ISI
- ✓ They may be cheaper, but the final food products in which they are used, will contain several undesirable impurities, which make it unsafe for human consumption. It will incur **financial loss** at the end.



Applications

- Food Processing Industries
- Fruit Processing Industries
- Tooth Paste & Powder
- Automobile Industries
- Paper Industries
- Mosquito Repellent
- Paint Industries
- Rubber Industries
- Antifreeze Coolant
- Tobacco Paste
- Cutting Oils, Machine Oils
- Corrosion Inhibitor

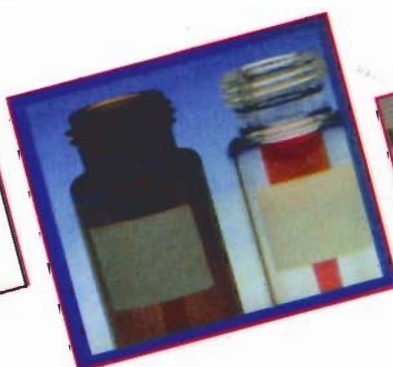
| | <i>Sodium Benzoate</i> | <i>Benzoic Acid</i> |
|--------------------------|---|---|
| Synonym | Sodium Salt Of Benzene Carboxylic Acid Sodium Salt Of Phenylcarboxylic Acid. | Benzene Carboxylic Acid Phenylcarboxylic Acid. |
| Molecular Formula | C ₇ H ₅ O ₂ Na | C ₇ H ₆ O ₂ |
| Molecular Weight | 144.11 | 122.12 |
| CAS No. | [532-32-1] | [65-85-0] |
| Category | Food Preservative, Pharmaceutical aid | Food Preservative, Pharmaceutical aid |
| Grades | Edible (FCC, ISI, Etc...) Pharmaceutical (Latest IP/BP/USP/EP/JP) Technical | Edible (FCC, ISI, Etc...) Pharmaceutical (Latest IP/BP/USP/EP/JP) Technical |

Sodium Benzoate

| | USP 24 | BP/EP 2000 | IS 4448-1994 | IP 1996 | JP 1996 | FCC |
|---------------------------------------|--|--|---|---|--|---|
| Description | White, Odorless Or Practically Odorless, Granular Or Crystalline Powder | White Crystalline Or Granular Powder Or Flakes, Slightly Hygroscopic | White Almost Odorless Crystalline Powder Or Flakes | White, Crystalline Or Granular Powder Or Flakes, Odorless Or With A Faint Odor, Hygroscopic | White Granular Crystals Or Crystalline Powder, Odorless With Sweet And Saline Taste | White, Odorless Or Nearly Odorless Granular, Crystalline Powder Or Flakes |
| Solubility | Freely Soluble In Water Sparingly Soluble In Alcohol | Freely Soluble In Water, Slightly Soluble In Alcohol | Freely Soluble In Water, Slightly Soluble In Ethanol | Freely Soluble In Water Sparingly Soluble In Ethanol | Free Soluble In Water, Slightly Soluble In Ethanol, Practically Insoluble In Ethanol | Freely Soluble In Water, Slightly Soluble In Alcohol |
| Purity (Min.) | 99.0% | 99.0% | 99.0% | 99.0% | 99.0% | 99.0% Min |
| Clarity And Colour Of Solution | | Clear And Colourless | | Clear And Colourless | Clear And Colourless | |
| Acidity Or Alkalinity | 0.2 ml Max. Of 0.1N H ₂ SO ₄ Required By 2g Of Substance | 0.2ml Max Of 0.1M NaOH of 0.1 M HCl Required By 1g Of Substance | 0.5 ml Max. Of 0.1N NaOH Of 0.1 NHCl Required By 2.0g Of Substance | 0.2 ml Max Of 0.1N HCl Or 0.2ml Or 0.1 M NaOH Required By 1g Of Substance | 0.4ml Max Of 0.1m NaOH Required By 2g Of Substance | 0.4% Max (as NaOH) |
| Water (Max.) | 1.5% | 2.0% | 1.5% | 2.0% | 1.5% | 1.5% |
| Heavy Metals (Max.) | 10 PPM | 10 PPM | 10 PPM | 20 PPM | 20 PPM | 10 PPM |
| Organic Volatile Impurities | Conforms | | | | | |
| Halogenated Compounds | | 200 PPM Max 300 PPM Max | Conforms | Conforms | Conforms | |
| Readily Carbonizable Substance | | | Conforms | | | |
| Readily Oxidizable Substance | | | 0.5 ml Max Of 0.1N KMnO ₄ Is Required By 1g Of Sodium Benzoate | | | |
| Arsenic (Max.) | | | 3.0 PPM | 2 PPM | 2 PPM | 3 PPM |
| Sulphate | | | | | 0.12% Max | |
| Phthalic Acid | | | | | Conforms | |

■ **Forms Available :** "END" (Extruded Non Dusty)
Dense Powder

■ **Packing :** 25kg Paper Bags With linner
500 / 1000kg Jumbo bags





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