

Product Information Sheet

PuroxB flakes pure grade benzoic acid

Purox B: benzoic acid of outstanding purity.

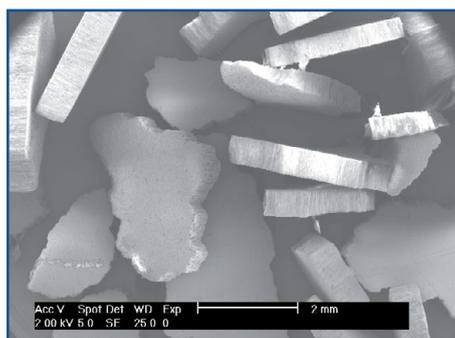
To meet the ever tighter quality standards of the life science and performance materials industries and to keep pace with strong market growth, Emerald Kalama Chemical's facility in The Netherlands is dedicated to the manufacture of high purity Purox® B benzoic acid.

Purox B has a consistently high purity, which is achieved by using an innovative purification technology. Its improved chemical characteristics and low odor level make it the right choice for most demanding end-product requirements.

Purox B: Excellent physical properties for outstanding process performance.

In addition to its exceptional purity, Purox B offers improved physical properties for consistently high performance in all your handling and production processes.

To meet specific processing demands, Purox B is available either in liquid form or as flakes. Purox B liquid is supplied at a temperature of around 140°C. Flakes typically measure between 0.5 and 4.5 mm, while their free bulk density is around 540 kg/m³.



The high chemical purity of Purox B results in low agglomeration tendency.

Proven excellence.

The chemical purity of 99.9% means that Purox B flakes have a low agglomeration tendency. The low impurity profile also increases efficiency of our customers' processes.

The right choice for your application.

Benzoic acid is used as a raw material for a large range of products such as benzoyl chloride, propiophenone, caprolactam, photo-initiators, esters and polyamide. It is also a building block for specialty benzoate plasticizers. In this application it is a substitute for a number of phthalic plasticizers that are classified as SVHC (Substances of Very High Concern) by ECHA.

Benzoic acid is further used as a chain terminator in the production of alkyd resins to improve gloss, adhesion, hardness and chemical resistance of the final product. Benzoic acid is added to synthetic polyester fibres to improve finish. Incorporation of benzoic acid in HDPE filaments and thermoplastic elastomers results in high-strength filaments for fishing nets, etc.

Other applications include use as a corrosion inhibitor in automotive cooling liquids and as an additive in down-hole mud drilling, where benzoic acid functions as a temporary plugging agent in subterranean formations.

Important derivatives are benzoic acid salts such as sodium, potassium and calcium benzoate.

Besides our standard-quality Purox B flakes, we also supply ultra-pure Purox B food/pharma (USP grade) for direct use in food and pharmaceutical applications. Our facility in Kalama, Washington USA supplies technical and FCC grade benzoic acid, as well as other products. Specifications and additional information on this grade are given in separate Product Information Sheets.



PuroxB flakes

pure grade benzoic acid



CAS No. 65-85-0

EINECS No. 200-618-2

PRODUCT SPECIFICATION

Characteristic	Spec. Range	Unit
Assay*	99.9 min.	% (m/m)
Water (Karl Fisher)	0.5 max.	% (m/m)
Color (molten product)	50 max.	APHA

*Assay = 100% - total organic impurities

ADDITIONAL PRODUCT INFORMATION

Characteristic	Typical value	Unit
Solidification point	121.5 – 122.5	°C

About Emerald.

Emerald Kalama Chemical is Division of Emerald Performance Materials, a manufacturer of additives and polymers which make your products last longer, look, taste, smell, or perform better. Emerald is headquartered in Cuyahoga Falls, Ohio. The company has 4 business units, eight operations and approximately 700 employees. The Emerald Kalama Chemical Division is a world-scale producer of a variety of toluene oxidation products, with production facilities in the US and Europe. Products include benzoic acid, and various benzoate and dibenzoate ester, alcohol and aldehyde derivatives for food preservatives, flavor and fragrance ingredients, plasticizers and industrial applications. For more about Emerald, visit www.emeraldmaterials.com.

Packaged to meet your process needs.

Purox B flakes are available in a choice of packaging formats to meet specific process requirements. Purox B liquid is supplied in ISO tank containers. Purox B flakes are packaged in robust, tamper-proof 25-kg sealed polyethylene bags filled on a brand-new packaging line. Also available in bulk quantities of 650 kg and 1000 kg in high-quality bags.



Emerald Kalama Chemical, LLC
1296 Third Street, N.W.
Kalama, WA 98625

360.673.2550
360.673.3564 (Fax)

Customer Service:
800.223.0035
360.673.2402 (Fax)

kalama@emeraldmaterials.com

Emerald Kalama Chemical, BV
PO Box 601
6160 AP Geleen
The Netherlands

+31 88 888 0520 (Fax)

purox.info@emeraldmaterials.com

Corporate Headquarters
Emerald Performance Materials, LLC
2020 Front Street
Cuyahoga Falls, OH 44221

330.916.6700
330.916.6734 (Fax)

www.emeraldmaterials.com