

POTASSIUM BICARBONATE



CAS Number: 298-14-6

Other Names: Potassium hydrogen carbonate; Potassium acid carbonate;
Monopotassium carbonate

Formula: KHCO_3

PRODUCT INTRODUCTION

Potassium hydrogen carbonate is a potassium salt of carbonic acid. It is a white, crystalline, slightly alkaline and salty substance. It is soluble in water and insoluble in alcohol. It is used in medicine as an antacid.

PHYSICAL AND CHEMICAL PROPERTIES

Total Alkalinity as K_2CO_3 on Dry basis	99.51 %
Free Alkalinity as KOH	-
Bicarbonate as KHCO_3	0.27 %
Potassium Chloride (KCl)	148.00 ppm
Iron	3.16 ppm

APPLICATION

- Potassium hydrogen carbonate is used in foods to regulate pH, as a fire suppression agent (dry chemical) and as a buffering agent in medications.
- It acts as an additive in winemaking and is an active component in club soda.
- Furthermore, it finds use in crops for the neutralization of acidic soils.
- It is also used as a source of carbon dioxide for leavening in baking.
- It is utilized to inhibit the growth of aspergillus parasiticus in czapek's agar.
- It is employed as a catalyst in synthetic fiber polymerization and olefin dehydrogenation.

PACKAGING OPTIONS

Drums

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