



WEIFANG YIXING CHEMICAL TECHNOLOGY CO.,LTD

Technical Data Sheet Of SBAC

Product overviews

Product Name: Sec-Butyl acetate

Another Names: Sec-Butyl acetate, The other n-butyl acetate, 2-butanol acetate

Molecular Structural Formula:
$$\text{CH}_3-\overset{\text{O}}{\parallel}{\text{C}}-\text{O}-\overset{\text{CH}_3}{\text{CH}}-\text{CH}_2-\text{CH}_3$$

Relative Molecular Weight: 116.6

Sec-butyl acetate is the four kinds isomers of N-butyl acetate. It is a kind of colorless, flammable liquid with fruit flavor, and can dissolve a variety of resins and organic matter. Typically, sec-butyl acetate is similar with other isomers in most cases, except that it has lower boiling point and higher evaporation rate.

Technical Requirements

Product standard

Item	National Standard	Index of Quality
Chromaticity (Pt-Co) size	GB/T 605-2006	≤15
Density (20 °C)	GB/T 611-2006	860-878
Sec-butyl acetate purity, wt%	GB/T 9722-2006	≥98%
Acidity (acetic plan), wt %	GB/T 9722-2006	≤0.01%
Water content, wt %	GB/T 6283-2008	≤0.1%
Distillation range	GB/T 9283-2008	
Initial boiling point,deg C		≤110°C
Dry point,deg C		≥118°C
Sec-butyl alcohol content, wt %	GB/T 9722-2006	≤0.1%
Solubility parameterδ (cal/cm ³) ^{1/2}		8.2
Appearance	visual test	transparent liquid , none suspension thing and mechanical
Odor	—	slight fruity scent

Main Application

(1) Coating solvent

Sec-butyl acetate is similar to n-butyl acetate and isobutyl acetate in solubility; it can replace them in paint formulations. It is widely used in lacquer, acrylic paint, polyurethane

- paint, polyester paint, amino paint, epoxy paint and other paint solvents.
- (2) Resin solvent
Sec-butyl acetate can be used in the process of resin manufacturing .
 - (3) Curing agent solvent
Sec-butyl acetate can be used as the solvent of curing agent in manufacturing process.
 - (4) Printing ink solvent
Sec-butyl acetate can completely replace n-butyl acetate as volatile solvent when used in printing ink.
 - (5) Adhesive solvent
Sec-butyl acetate can be used in adhesive manufacturing process.
 - (6) Diluents
Sec-butyl acetate is the ideal composition with low cost, low toxicity in thinner and other diluents such as isoamyl acetate
 - (7) Cleaning agent
Sec-butyl acetate can be used to make screen washing agent, mold cleaning water, washer water, gun cleaning reagent, and metal cleaning agent.
 - (8) Medicine solvent
Sec-butyl acetate can be used as extracting agent in the production process of antibiotics (such as penicillin, erythromycin), hormones, vitamins etc ; due to its moderate evaporation rate and good skin permeability, it can also be used as medicinal absorption-promote components.

Packing and Storage

Packing Method: small opening drums, threaded glass, lid pressure bottles, plastic bottles, metal (cans) and the ordinary wooden box.

Storage Precautions: Store in a cool and well-ventilated area. Keep away from sources of ignition and heat. The temperature should be below 30 °C. Keep the container tightly closed. Store segregated from oxidizing materials , acid and alkalis. Light should be explosion-proofed. There should be leak-handling equipments and containing material in the storage area.

Other Information

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Information consultation: Weifang Yixing Chemical Technology Co., Ltd

Address: NO.206, petrochemical road ,Changyi City ,Shandong Province ,China.

Postcode: 261300

Tel: +86 0536 7118602

Fax: +86 0536 7118602

<http://www.wfyixing.com>

Dina.y@wfyixingchem.com