

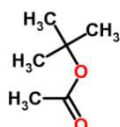
TECHNICAL DATA SHEET

DESCRIPTION

Tertiary Butyl Acetate (TBAc)

CAS No.: 540-88-5

Structure Formula:



INTRODUCTION

Tertiary butyl acetate is a unique non-HAP, VOC-exempt organic solvent with versatile performance and negligible photochemical reactivity. It is designed to solve many of the compliance issues facing manufacturers and end-users of formulated products.

SALES SPECIFICATION

Test Description	Specification Limits		Test Standard
	Minimum	Maximum	
APHA COLOR (Pt-Co)	0	10	GB/T 605-2006
PURITY	99.5%	100%	GB/T12717
ACIDITY (as Acetic Acid)	0	0.03%	GB/T12717
WATER	0	0.05%	SH/T0246
ALCOHOL (as TBA)	0	0.2%	GB/T12717
HYDROCARBONS	0	0.2%	GB/T12717

PHYSICAL AND CHEMICAL PROPERTIES

Appearance: Liquid	Color: Clear, colorless
Odor: Camphor-like odor	Odor Threshold: 8 ppb
Flash point: 4°C at 1013 hPa (759.8 mm Hg)	Ignition temperature: 589°C at 1013 hPa
Lower explosion limit: ~ 1.26 vol%	Upper explosion limit: ~ 6.88 vol%
Flammability (solid, gas): Not applicable	Autoignition temperature: 589 °C at 1013 hPa
Oxidizing properties: Not considered an oxidizing agent	
Molecular weight: 116.16 g/mol	Decomposition temperature: not determined
pH: 6 - 7	Vapor pressure: 55.995 hPa at 20 °C
Melting point/freezing point: -58.15 °C at 1013 hPa	
Boiling point/boiling range: 97.8 °C at 1013 hPa	
Density: 0.86 g/cm ³ at 25 °C	Water solubility: 7,820 mg/l at 23 °C
Partition coefficient: n- octanol/water: log Pow: 1.64 at 21.7 °C	
Viscosity, dynamic: < 1 mPa.s at 25 °C	Viscosity, kinematic: < 1 mm ² /s
Relative vapor density: No Data Available	Evaporation rate: 2.8 (butyl acetate = 1)
Explosive properties: Not explosive	



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FEATURE AND APPLICATIONS

- ✧ Pharmaceutical intermediates - It can be used for polypeptide synthesis, Varespladib, Amprenavir, Atorvastatin, Rosuvastatin, Pitavastatin, Magnesium tert-butoxide.
- ✧ Coating Material - It can be used as solvent in Acrylic polyol, thermoplastic material, alkyd resin, modified alkyd resin, nitrocellulose, isocyanate, polyurethane, epoxy resin, chlorinated resin, styrene resin.
- ✧ Painting - It can improve the performance of products and reduce the impact on the environment. It can be used for Auto repair paint, wooden paint, 2K polyurethane paint, Aviation PV paint, PPG paint and so on.
- ✧ Ink - It can reduce the viscosity of printing, increase the printing density and glossiness. It can substitute for the esters, alcohols and ketone in kinds of ink.
- ✧ Industry Cleaning - It can be used to clean or uncoil for the aerospace equipment, Industrial machine, fine chemical equipment and so on.
- ✧ Sealing Material - It can be used for Nano materials, high pressure sealing material, adhesive and so on.
- ✧ Other applications - It can be used as a kind of fuel or a kind of gasoline additive.

PACKING INFORMATION

Steel drums: N.W. 180kg/drum; G.W. 201.5kg/drum

IBC totes: N.W. 860kg/drum; G.W. 919kg/tote

Bulk in ISOTANK: about 20MT

TRANSPORT INFORMATION

CN No.: 32130

Proper Shipping Name: Butyl Acetates

United Nations number (UN-No.): 1123

Packing Group: II

HS Code: 2915390090

Hazard Class: 3

Marine pollutant: No

STORAGE

Products should store in a cool, dry and ventilated warehouse, keep distance from fire and heat. The temperature of the warehouse should not exceed 30°C. Keep the container sealed for the strongly water absorption of products. With the oxidizers, acids, alkalis, should separate and avoid mixing storage. Storage areas should be provided with leak emergency response equipment and suitable host material.

CONTACT INFORMATION

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