Factory Supply 99% Purity Liquid CAS 504-63-2 1, 3-Propanediol

Our Product Introduction

Basic Information

- Place of Origin: China
- Brand Name: Firsky
- Model Number: FS-504-63-2
- Minimum Order Quantity: 1KG
- Packaging Details: 1kg, 5kg, 15kg, 20kg, 25kg can be packed in different specifications. Packaging can be customized according to customer requirements. Aluminium foil bag and carton.
- Delivery Time: 7-15days
- Payment Terms: T/T, Western Union, MoneyGram
- Supply Ability: 2000T

Product Specification

- Product Name: 1, 3-Propanediol
- CAS NO: CAS 504-63-2
- Purity: 99%
- Shelf Life: 2 Years

Product Description

Specifications:

Product Name:	1,3-Propanediol
Synonyms:	RiceBran Ferment(Saccharomyes/Rice Bran Ferment&Aspergillu Ferment&Propanediol);1,3-PROPANEDIOL, 98%1,3-PROPANEDIOL, 98%1,3-PROPANEDIOL, 98%1,3-PROPANEDIOL, 98%;1 3 - PROPANEDIOL (PROPANDIOL);1,3-Propanediol Vetec(TM) reagent grade, 98%;KARL FISCHER WATER STANDARD 100 M;1,3-Propanediol, Standard for GC,>=99.5%(GC);1,3-prpanediol;1,3-PROPANEDIOL FOR SYNTHESIS
CAS:	504-63-2
MF:	C3H8O2
MW:	76.09
EINECS:	207-997-3
Melting point	-27 °C (lit.)
Boiling point	214 °C/760 mmHg (lit.)
density	1.053 g/mL at 25 °C (lit.)
vapor pressure	0.8 mm Hg (20 °C)
refractive index	n20/D 1.440(lit.)
FEMA	4753 | 1,3-PROPANEDIOL
Fp	>230 °F
storage temp.	Store below +30°C.
color	Clear liquid

Description:

1,3-Propanediol, CAS 504-63-2, is a high-value chemical raw material with wide applications in various industries. Below is a detailed product description of this versatile molecule:
1,3-Propanediol is a colorless liquid with a molecular formula of C3H8O2 and a molecular weight of 76.1. Boiling point at standard pressure is 225°C, miscible with water, alcohols and esters.
1,3-Propanediol is prepared via a multistep synthetic route that involves reacting ethylene oxide with ethylene carbonate in the presence of a base catalyst. The product obtained is subjected to hydrogenation and purification steps to obtain the desired compound. This compound has important industrial applications as it serves as a building block for the synthesis of various organic compounds, polymers, surfactants and other specialty chemicals.
One of the main applications of 1.1,3-propanediol is in the production of polyurethane. It reacts with isocyanates to form polyurethane polymers, which are widely used in rigid and flexible foams for insulation and padding purposes. Polyurethanes are also used as coatings, adhesives and sealants and have excellent mechanical and chemical resistance properties.
2.1,3-Propanediol is also used in the production of polyester, a polymer made up of ester units linked together. It reacts with dicarboxylic acids or anhydrides to form polyester polymers, which are widely used in fibers, films, bottles and other packaging materials due to their mechanical strength and chemical resistance.
3.1,3-Propanediol is also used in the production of cosmetics and personal care products. It is used as a humectant and emollient in creams, lotions and moisturizers to keep skin soft and hydrated. It also acts as a viscosity reducer and solvent in various hair care products such as shampoo and conditioner.
1,3-Propanediol is a valuable chemical raw material that plays a vital role in various industries. It is used as a base material for polyurethanes, polyesters, surfactants, cosmetics and other specialty chemicals. A wide range of applications makes it an important ingredient in a variety of commercial products, including insulation, foams, coatings, adhesives, sealants, fibers, cosmetics and personal care products.

Application:

1,3-Propanediol, CAS 504-63-2, is a high-value chemical raw material with wide applications in different industries. Here are some common uses for this versatile molecule:
1. Polymerizing agent: 1,3-propanediol is used as a monomer in the production of polyester and polyurethane. It polymerizes with other monomers to form linear or cross-linked polymers with a variety of applications in industries such as textiles, packaging, coatings, adhesives, sealants and insulation materials.
2. Solvent: 1,3-Propanediol is miscible with water and other polar solvents and can be used as a solvent for a variety of purposes, such as cleaning, paint formulations, cosmetics, and personal care products. It has low toxicity and good biodegradability, making it an environmentally friendly solvent choice.
3. Coatings and Adhesives: 1,3-Propanediol is used in the production of coatings and adhesives due to its ability to formulate adhesive solutions that adhere well to a variety of substrates. Polymers derived from 1,3-propanediol provide good mechanical strength, chemical resistance and durability to coatings and adhesives.
4. Personal care products: 1,3-propanediol is used as a moisturizer and emollient in cosmetics and personal care products. It helps keep skin soft and hydrated, and acts as a viscosity reducer and solvent in various hair care products such as shampoo and conditioner.
5. Textile fibers: Polyester derived from 1,3-propanediol is used to produce textile fibers for clothing, carpets, and other applications. The fiber has good mechanical strength, abrasion resistance and elasticity, and can be easily dyed into various colors and shades.

Advantage:

1.Firsky (Wuhan) continues to make efforts to steadily offer clients high-quality items. We have put in place a reliable internal quality management system and are always working to increase quality, decrease deviation, and eliminate waste.

2. If you have any questions, don't hesitate to ask them; we'll get back to you within 48 hours.

3.After getting the items, if you have any questions, don't hesitate to get in touch with us. We promise to compensate you in full

if we were the source of the loss.

FAQ:

How do I make a purchase?
We advise that you speak with our customer support personnel before placing an order because the market price of chemical raw materials fluctuates often
1. Please let me know which products you require and how many of each you need.
2. We will provide you with the best pricing right away, including delivery charges.
3. If the price seems reasonable to you, you can select a payment option to complete the transaction.
4. After we confirm your payment, your shipment will be wrapped and dispatched within 24 hours.
5. Two days after the package is sent out, a tracking number and packing photo will be provided.
6. We wish you a wonderful shopping experience and encourage you to get in touch with us if there are any problems.

Which delivery alternatives are available?
All Fushikai orders are shipped from Japan using FEDEX, UPS, DHL, Airmail, Surface Mail, EMS (Japan Post), and Economical Air (SAL). Depending on the various nations, we will select the best choice. Once payment has been received, the approximate delivery time is 5-7 working days.

How are your products verified?
We use our own quality control team to inspect each batch of products. Only at least 98% of pharmaceutical raw materials are used in the synthesis process, rather than cheap sources that are replicated using discarded chemical ingredients. Multiple tests are conducted using cutting-edge equipment to ensure perfect accuracy in determining the potency, purity and quality of ingredients and finished products.

Does a discount apply to large orders?
After your order reaches a particular value, there is a large discount. Several seasonal sales and promotions are available from us.

What forms of payment do you accept?
We accept payments with Western Union, Bitcoin, e-transfers, bank transfers, MoneyGram, and Alipay in addition to all other forms of cryptocurrency.

Do you deliver to parcel lockers at PO boxes?
YES, we could deliver to parcel lockers at PO boxes!

Can I get a tracking number from you?
We will provide you the tracking number and some images of the items you ordered as soon as the shipment is planned. For the most up-to-date tracking updates, please go to our preferred site.

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