

# Hand Sanitizer

## 1. IDENTIFICATION OF THE PRODUCT AND OF THE COMPANY

Product Name: Hand Sanitizer

Product Model: XD-A04

Manufacturer: Shanwei BYD Industrial Co.,Ltd.

Address: Hongcao Industrial Park, No. 22 Sanhe Road, Shanwei High-Tech Development Zone,  
Shanwei,China

Telephone Number: 0755-89888888

## 2. HAZARD IDENTIFICATION

### GHS Category

Flammable liquids. Category 2

### Hazard Statements

H225 - Highly flammable liquid and vapor

### Signal Word

Danger



## 3. MATERIAL COMPOSITION AND COMPONENT INFORMATION

Component	CAS No.	Ratio (V/V)
Ethyl alcohol	64-17-5	66%-74%
Isopropyl alcohol	67-63-0	3-4%
Glycerin	56-81-5	0.5-1.5%
Water	7732-18-5	18-30%
Additives	/	<2%

## 4. FIRST AID MEASURES



Inhalation	:	If inhaled, remove to fresh air. Get medical attention if ill effects persist.
Skin	:	No need for first aid. Get medical attention if ill effects persist.
Eyes	:	Wash off with water as a precautionary measure, If irritation occurs and continues, get medical attention.
Oral	:	If swallowed, do not induce vomiting. Get medical attention if ill effects persist. Rinse thoroughly with water.

## 5. FIRE-FIGHTING MEASURES

Extinguishing method and Extinguishing Media	:	Foam,CO <sub>2</sub> , Dry Chemical ,Soil can be used to extinguish a fire containers.
Unsuitable Extinguishing Media	:	Water spray.
Hazardous Combustion Products	:	carbon oxides.
Special protective equipment for firefighters	:	If necessary ,wear self-containing breathing apparatus and personal protective equipment when extinguishing a fire.

## 6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures	:	Remove all ignition sources. According to the influence area of liquid flow and vapor diffusion, the warning area shall be defined, and irrelevant personnel shall evacuate from crosswind and upwind to the safety area. It is recommended that emergency personnel wear positive pressure self-contained breathing apparatus and anti-static clothing. All equipment used in the work shall be grounded .Do not touch or cross over leaking. Cut off the source of leakage as soon as possible. Prevent spills from entering water bodies, sewers, basements or confined spaces. Small leakage: Absorb with sand or other incombustible materials. Use
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clean non sparking tools to collect absorption materials.

Environmental  
Precautions  
large leakage

Collect leaking, avoid environmental pollution, and prevent from spreading or entering into sewers, surface water and groundwater.

To build a causeway or trenching asylum. Closed drain. Covered with foam to inhibit evaporation. Transfer to tank car or special collector with explosion-proof pump, recycle or transport to waste disposal site for disposal

## 7. HANDLING AND STORAGE

### HANDLING

Precautions for safe handling : NO flame, NO spark and NO smoking. Use explosion-proof electrical apparatus, ventilation and lighting etc.

Container and Equipment grounding. Tools does not generate static electricity. Proper ventilation.

Avoid Contact with Forbidden Complex Storage : Strong oxidizing agent.

Storage Conditions : Separated from strong oxidants. Keep container cool and tightly closed. Do not store above 37°C (98.6°F). Provide enough fighting equipment and emergency treatment equipment

Forbidden Complex : Do not store with the following product types:  
Strong oxidizing agent

## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Contact Control and personal protection : Avoid contact with eyes when using the product. No special protection required.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

Physical Form : Viscous Liquid

Color : Colorless

Odor : Intrinsic smell of ethanol

Odor threshold : No data.

pH : 6-8.



Melting	:	No data.
/Solidification		
Point		
Boiling	:	> 35 °C
Point/Range		
Flash Point	:	<23 °C
		Method: Closed flash point test
		method
Evaporation	:	No data.
rate		
Flammability(	:	Not applicable.
Solid, Gas)		
Upper Limit of	:	No data.
Explosion		
Lower Limit of	:	No data.
Explosion		
Vapor Pressure	:	No data.
Vapor Density	:	No data.
Density/	:	0.84-0.90
Relative		
Density		
Water	:	No data.
Solubility:		
Partition	:	No data.
Coefficient		
(n-Octanol/Wat		
er)		
Auto ignition	:	No data.
Temperature		
Decomposition	:	No data.
Temperature		
Viscosity	:	<6000 mPa.s
Explosion	:	None
characteristics		

Oxidation : This substance or mixture is not  
Property classified as oxidizing agent.  
Molecular : No data.  
Weight

## 10. STABILITY AND REACTIVITY

Reactivity : They are stable under normal conditions.  
Stability : They are stable under normal conditions.  
Hazardous : None.  
Reactions  
Conditions to : Keep away from flames.  
Avoid  
Materials to : Stronger oxidizing agents, Alkali metal, Strong acid and  
Avoid: Strong base.  
Hazardous : Ethanol  
Decomposition  
Products

## 11. TOXICOLOGICAL INFORMATION

Route of : Inhalation, skin contact  
Exposure Accidental ingestion and eye contact

### Ethanol:

#### Acute Toxicity

LD50-oral	rat	10470mg/kg
LD50-inhalation	mice 4h	124.7mg/L

#### Skin corrosion / irritation

No data.

#### Severe eye injuries / eye irritation

Irritating to eyes.

#### Respiratory or skin allergies

Alcohol allergy.

#### Respiratory allergies

No data.

#### Germ cell mutagenicity

No data.

**Carcinogenicity**

No data.

**Reproductive toxicity**

No classification based on available information.

**Specific target organ system toxicity- Primary contact**

No classification based on available information.

**Specific target organ system toxicity - Repeated contact**

No classification based on available information.

**Isopropyl alcohol**

LD50-oral	rat	5840mg/kg
LD50-inhalation	Rat 4h	72.6mg/L

**Skin corrosion / irritation**

No data.

**Severe eye injuries / eye irritation**

Category 2

**Respiratory or skin allergies**

Alcohol allergy.

**Respiratory allergies**

No data.

**Germ cell mutagenicity**

No data.

**Carcinogenicity**

No data.

Specific target organ toxicity - (single exposure): Category3

**12. ECOLOGICAL INFORMATION****Eco toxicity :**

No data

**Persistence and degradation:**

No data

**Bio accumulative Potential:**

No data

**Bioaccumulation Mobility in Soil:**

No data

**Additional Environmental Information:**



No data

### 13. DISPOSAL CONSIDERATIONS

Disposal method

Product : Dispose of in accordance with local regulations.

Disposal:

Packaging : Empty containers should be sent to approved waste disposal sites for recycling or disposal. If there is no other requirement: treat as unused product.

### 14. TRANSPORT INFORMATION

Classification according to UN No.: 1170; Ethanol (alcohol) or ethanol solution (alcohol solution)

Major hazard category:3

Packaging category: II

### 15. REGULATORY INFORMATION

None

### 16. OTHER INFORMATION

None