

# Hand Sanitizer

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

Product Name: Hand Sanitizer

Product Model: XD-A01

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(w/w)	Ratio (V/V)
Ethyl alcohol	64-17-5	60-70%	66-74%
Glycerin	56-81-5	2-3%	1-2%
Water	7732-18-5	29-36%	25-30%
Additives	/	<2%	<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
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
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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 clean non sparking tools to collect absorption materials.

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

large leakage: 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 : Strong oxidizing agent.
- Storage
- 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	:	22 °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/	:	0.86-0.90
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  
Acute Toxicity  
Ethanol:

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.

## **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

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 solution

Major hazard category:3

Packaging category: II

## **15. REGULATORY INFORMATION**

None

## **16. OTHER INFORMATION**

None