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2019.09.02

# Safety Data Sheet

## SECTION 1:

### Identification of the product and the company/undertaking

**Product Name:** Disinfection

#### Product Details:

**Proper shipping name:** Isopropanol Alcohol

**Application of the substance/the preparation:** antibacterial

#### Manufacturer/supplier:

**Nantong Health & Beyond Hygienic Products Inc.**

**No.#25, Luyao District, Yuanqiao Town, Rugao City, Jiangsu**

**Province, China**

**TEL: +86 513 87387376**

**FEX: +86 513 87387377**

**For additional information contact [info@healthandbeyond.cn](mailto:info@healthandbeyond.cn)**

#### Information in case of emergency:

Emergency contact number in the US to answered24/7:

CHEMTREC (800)424-9300

## SECTION 2:

### Hazards identification

#### Classification of the product

Classification according to Directive 1999/45/EC(DPD)

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Risk codes:R10

Risk phrase: Flammable

Other adverse physico-chemical, human health and environmental effects: None

**Label elements**

Labelling according to Directive 1999/45/EC

Symbol:

No symbol

Indication(s) of danger:

Flammable

Safety advice:

S15: Keep away from heat.

S16: Keep away from sources of ignition - No smoking.

S17: Keep away from combustible material.

S21: When using do not smoke

S57: Use appropriate container to avoid environmental contamination.

S61: Avoid release to the environment. Refer to special instructions/Safety data sheets

Other hazards: None

**SECTION 3:**

**Composition/information on ingredients**

All product ingredients are listed below

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**Ingredients:**

Name	CAS#	%By Weight	Exposure Limits
Isopropyl Alcohol	67-63-0	70	Not available
Water	7732-18-5	30	Not available

**SECTION 4:****First aid measures****Description of first aid measures**

**Inhalation:** Move victim to fresh air. If not breathing, give artificial respiration. Get medical attention.

**Skin contact:** Immediately wash with plenty of soap and water. Get medical attention if irritation occurs.

**Eye contact:** Immediately flush eyes with running water for at least 20 minutes holding eyelids open. Get medical attention.

**Ingestion:** Do not induce vomiting. Give 1-2 glasses of water to a conscious victim. Never give anything by mouth to an unconscious victim. Get medical attention

**Most important symptoms and effects, both acute and delayed****Inhaled:**

The material is not thought to produce adverse health effects or irritation of the respiratory tract (as classified by E C Directives using animal models).Nevertheless, good hygiene practice requires that exposure be

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kept to a minimum and that suitable control measures be used in an occupational setting.

**Ingestion:**

Although ingestion is not thought to produce harmful effects (as classified under E C Directives), the material may still be damaging to the health of the individual, following ingestion, especially where pre-existing organ (e.g liver, kidney) damage is evident. Present definitions of harmful or toxic substances are generally based on doses producing mortality rather than those producing morbidity (disease, ill-health).

**Skin Contact:**

The material is not thought to produce adverse health effects or skin irritation following contact (as classified by EC Directives using animal models). Nevertheless, good hygiene practice requires that exposure be kept to a minimum and that suitable gloves be used in an occupational setting.

**Eye:**

Although the material is not thought to be an irritant (as classified by EC Directives), direct contact with the eye may produce transient discomfort characterised by tearing or conjunctival redness (as with windburn).

**Chronic:**

Long-term exposure to the product is not thought to produce chronic effects adverse to health (as classified by EC Directives using animal

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models); nevertheless exposure by all routes should be minimised as a matter of course.

**Indication of any immediate medical attention and special treatment needed**

Get medical attention and treat symptomatically.

**SECTION 5:**

**Firefighting measures**

**Extinguishing media**

Dry chemical powder, alcohol-resistant foam, carbon dioxide (CO<sub>2</sub>).

**Special hazards arising from the product**

No data available

**Advice for firefighters**

Alert Fire Brigade and tell them location and nature of hazard.

Wear breathing apparatus plus protective gloves.

Prevent, by any means available, spillage from entering drains or water courses.

Use water delivered as a fine spray to control fire and cool adjacent area.

DO NOT approach containers suspected to be hot.

Cool fire exposed containers with water spray from a protected location.

Only when safe to do so, remove containers from path of fire.

**SECTION 6:**

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## **Accidental release measures**

### **Personal precautions, protective equipment and emergency procedures**

#### **For non-emergency personnel**

Wear chemical goggles and chemical resistant gloves.

#### **For emergency responders**

Wear breathing apparatus plus protective gloves. Remove ignition sources and provision of sufficient ventilation, evacuate the danger area and consult experts.

### **Environmental precautions**

Take precautions to prevent entry into waterways, sewers, or surface drainage systems. Dispose according to local or international regulations.

### **Methods and material for containment and cleaning up**

Use appropriate tools to put the spilled chemicals in suitable container for recovery or disposal

### **Reference to other sections**

Refer to Section 8 for Personal Protective Equipment advice.

## **SECTION 7:**

### **Handling and storage**

#### **Precautions for safe handling**

Do not handle until all safety precautions have been read and understood.

Do not eat, drink or smoke when using this product.

#### **Conditions for safe storage, including any incompatibilities**

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Storage conditions: pet bottle. Refer to section 10.

Storage incompatibility: Avoid reaction with strong acid, alkali and oxidizing agents.

**Specific end use(s)**

Apart from the uses mentioned in section 1.2, no other specific uses are stipulated.

**SECTION 8:**

**Exposure controls/personal protection**

**Engineering Controls:** Good general ventilation should be sufficient to control airborne levels.

**Personal Protection:**

**Eyes:** Avoid Contact with eyes

**Body:** No special protective clothing is required.

**Respiratory:** A respirator is not needed under normal and intended conditions of product use.

**Hands:** No special recommendations.

**SECTION 9:**

**Physical and chemical properties**

Physical State and Appearance: liquid

Molecular Weight: Not applicable.

pH: NA

Boiling/Condensation Point: 78°C

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Flash point: 23°C

Melting/Freezing Point: Not available.

Critical Temperature: Not available.

Instability Temperature: Not available.

Specific Gravity: 0.87(Water = 1)

Vapor Pressure: Not available.

Vapor Density: Not available.

Evaporation Rate: >1 compared to Water

Dispersion Properties: Not available.

Solubility: Not available.

The Product is: Flammable

Auto-ignition Temperature: Not available.

Flammable Limits: Not available.

Fire Hazards in Presence of Various Substances Not available.

Explosion Hazards in Presence of Various Substances: Drums Heated By

Fire Can explode

## **SECTION 10:**

### **Stability and reactivity**

#### **Reactivity**

May react with strong acid, alkali, oxidizing agents and incompatible materials.

#### **Chemical stability**



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Product is considered stable during storage and transporation under normal condition.

### **Possibility of hazardous reactions**

Hazardous reactions may occur if contact with incompatible material.

### **Conditions to avoid**

High temperature, ignition sources (sparks, flames, static), incompatible materials.

### **Incompatible materials**

Strong acid, alkali and oxidizing agents

### **Hazardous decomposition products**

On combustion or thermal decomposition, may emit toxic fumes.

## **SECTION 11:**

### **Toxicological information**

#### **Information on toxicological effects**

No data available for the mixture.

## **SECTION 12:**

### **Ecological information**

#### **Aquatic toxicity**

No data available for the mixture.

#### **Persistence and degradability**

Biodegradation: No data available

Abiotic degradation: No data available

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### **Bioaccumulative potential**

Bioconcentration factor (BCF):No data available

### **Mobility in soil**

Distribution to environmental compartments: No data available

Adsorption/Desorption: No data available

### **Results of PBT and vPvB assessment**

No data available.

### **Other adverse effects**

No data available

## **SECTION 13:**

### **Disposal considerations**

#### **Waste treatment methods**

Product disposal: refer to specific national regulation.

Contaminated packaging: contaminated, empty containers must be disposed of as chemical waste.

## **SECTION 14:**

### **Transport information**

Based on available information, the product is not considered as dangerous goods and the UN recommendation on the transport of dangerous goods does not necessarily apply, however, it is highly recommended to get professional advice for appropriate transport.

### **Label required**



### **Transport information**

UN Number:1993

Shipping name: Isopropanol Alcohol

Road (ADR):3

Rail (RID) :3

Air (ICAO/IATA) :3

Sea (IMO/IMDG) :3

Packing Group: II

Environmental Pollutant: None

Marine pollutant: None

Special Precautions for User: None

Transport in bulk according to Annex II of MARPOL 73 / 78 and the IBC  
code: IBC02

## **SECTION 15:**

### **Regulatory information**

**Safety, health and environmental regulations/legislation specific for  
the substance or mixture**

#### **EU-Regulations**

This safety data sheet is in compliance with the following EU legislation  
and its adaptations - as far as applicable - 67/548/EEC, 1999/45/EC,

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Regulation (EC) No 1272/2008, Regulation (EC) No 1907/2006, 98/24/EC, 92/85/EEC, 94/33/EC, 91/689/EEC and 1999/13/EC.

**International/national regulations**

UN recommendation on the transport of dangerous goods

**Regulation for ingredients**

None

**Chemical safety assessment**

No chemical safety assessment report was provided for this safety data sheet compilation.

**SECTION 16:**

**Other information**

16.1 Key literature references and sources for data

- ESIS (European chemical Substances Information System),

<http://esis.jrc.ec.europa.eu/>

- Information on Chemicals in ECHA website,

<http://echa.europa.eu/information-on-chemicals>

- IFA GESTIS - International limit values for chemical agents -

Occupational exposure limits (OELs),

[http://www.dguv.de/ifa/en/gestis/limit\\_values/index.jsp](http://www.dguv.de/ifa/en/gestis/limit_values/index.jsp)

**List of relevant hazard statements and risk phrases**

R phrase : R11: Highly flammable.

R36/38: Irritating to eyes and skin.

H phrase: H225: Highly flammable liquid and vapor.

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H315: Causes skin irritation.

H319: Causes serious eye irritation.

### **Other**

This product should be stored, handled and used in accordance with good industrial hygiene practices and in conformity with any legal regulation.

Many factors determine whether the reported Hazards are Risks in the workplace or other settings. Risks may be determined by reference to Exposures Scenarios. Scale of use, frequency of use and current or available engineering controls must be considered.

**For detailed advice on Personal Protective Equipment, refer to the following EUCEN Standards:**

**EN 16 Personal eye-protection**

**EN 340 Protective clothing**

**EN 374 Protective gloves against chemicals and micro-organisms**

**EN 13832 Footwear protecting against chemicals**

**EN 133 Respiratory protective devices**

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