

2019.08.13

## Material Safety Data Sheet

### SECTION 1:

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

**Product Name:** Hydrogen Peroxide

#### Product Details:

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

#### Manufacturer/supplier:

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

**No.#118, Yuxian Road, North Town Street, 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 answered 24/7:

CHEMTREC (800)424-9300

### SECTION 2:

#### Hazards identification

##### 2.1. Classification of the substance or mixture

**Skin Corr.1B; H314 Causes severe skin burns and eye damage.**

**Eye Dam. 1;** H318 Causes serious eye damage.

## 2.2. Label elements

Using the Toxicity Data listed in section 11 and 12 the product is labeled as follows.



### **Danger**

H314 Causes severe skin burns and eye damage.

H318 Causes serious eye damage.

#### **[Prevention]:**

P260 Do not breathe mist / vapors / spray

P264 Wash thoroughly after handling. P280 Wear protective gloves / eye protection / face protection. [Response]: P301+330+331 IF

SWALLOWED: Rinse mouth. Do NOT induce vomiting. Stay at rest.

P303+361+353 IF ON SKIN (or hair): Remove / Take off immediately all contaminated clothing. Rinse skin with water / shower. P304+340 IF

INHALED: Remove victim to fresh air and keep at rest in a position

comfortable for breathing. P305+351+338 IF IN EYES: Rinse

continuously with water for several minutes. Remove contact lenses if present and easy to do - continue rinsing. P310 Immediately call a

POISON CENTER or doctor / physician. P363 Wash contaminated

clothing before reuse. [Storage]: P405 Store locked up. [Disposal]:

P501 Dispose of contents / container in accordance with local / national regulations.

## SECTION 3:

### Composition/information on ingredients

All product ingredients are listed below

#### Active Ingredient:

Name	CAS#	%By Weight	Exposure Limits
Hydrogen peroxide	7722-84-1	3	Not available

[1] Substance classified with a health or environmental hazard.

[2] Substance with a workplace exposure limit.

[3] PBT-substance or vPvB-substance.

**Inactive Ingredients:** Water,

## SECTION 4:

### First aid measures

#### 4.1. Description of first aid measures

**General :** In all cases of doubt, or when symptoms persist, seek medical attention. Never give anything by mouth to an unconscious person.

**Inhalation :** Remove to fresh air, keep patient warm and at rest. If breathing is irregular or stopped, give artificial respiration. If unconscious

place in the recovery position and obtain immediate medical attention.

Give nothing by mouth.

**Eyes:** Irrigate copiously with clean water for at least 15 minutes, holding the eyelids apart and seek medical attention.

**Skin:** Remove contaminated clothing. Wash skin thoroughly with soap and water or use a recognized skin cleanser.

**Ingestion:** If swallowed do NOT induce vomiting and obtain immediate medical attention.

#### 4.2. Most important symptoms and effects, both acute and delayed

**Overview:** Inhalation of vapors and mists irritate the nose and throat.

Minimally irritating to the eyes and mildly irritating to the skin. See section 2 for further details.

**Eyes:** Causes serious eye damage.

**Skin:** Causes severe skin burns and eye damage.

### SECTION 5:

#### 5.1. Extinguishing media

Recommended extinguishing media; Flood with water spray of water fog.

#### 5.2. Special hazards arising from the substance or mixture

Hazardous decomposition: Oxygen, which supports combustion.

Do not breathe mist / vapors / spray.

### 5.3. Advice for fire-fighters

Fire fighters should wear positive pressure self-contained breathing apparatus (SCBA) and full turnout gear. ERG Guide No.

## **SECTION 6:**

### **Accidental release measures**

6.1. Personal precautions, protective equipment and emergency procedures

Put on appropriate personal protective equipment (see section 8).

6.2. Environmental precautions

Biodegradable, non-hazardous to environment.

Use good personal hygiene practices. Wash hands before eating, drinking, smoking or using toilet. Promptly remove soiled clothing and wash thoroughly before reuse.

6.3. Methods and material for containment and cleaning up Flush with water: wear rubber boots, rubber apron and goggles

## **SECTION 7:**

### **Handling and storage**

7.1. Precautions for safe handling

See section 2 for further details. - [Prevention]:

7.2. Conditions for safe storage, including any incompatibilities

Handle containers carefully to prevent damage and spillage.

Incompatible materials: Reducing agents, combustible materials.

Store in a cool, dark place. Avoid extreme heat.

See section 2 for further details. - [Storage]:

### 7.3. Specific end use(s)

No data available.

## SECTION 8:

### Exposure controls/personal protection

#### 8.1. Control parameters

##### Exposure

CAS No.	Ingredient	Source	Value
0007722-84-1	Hydrogen peroxide	OSHA	TWA 1 ppm (1.4 mg/m3)
		ACGIH	TWA: 1 ppm
		NIOSH	TWA 1 ppm (1.4 mg/m3)
		Supplier	No Established Limit

##### Carcinogen Data

CAS No.	Ingredient	Source	Value
0007722-84-1	Hydrogen peroxide	OSHA	Select Carcinogen: No
		NTP	Known: No; Suspected: No
		IARC	Group 1: No; Group 2a: No; Group 2b: No; Group 3: Yes; Group 4: No;

#### 8.2. Exposure controls

**Respiratory:** If workers are exposed to concentrations above the exposure limit they must use the appropriate, certified respirators.

**Eyes:** Protective goggles if desired.

**Skin:** Rubber or vinyl gloves.

Engineering : Controls Provide adequate ventilation. Where reasonably practicable this should be achieved by the use of local exhaust ventilation and good general extraction. If these are not sufficient to maintain concentrations of particulates and any vapor below occupational exposure limits suitable respiratory protection must be worn.

Other Work Practices : Use good personal hygiene practices. Wash hands before eating, drinking, smoking or using toilet. Promptly remove soiled clothing and wash thoroughly before reuse.

See section 2 for further details. - [Prevention]:

## **SECTION 9:**

### **Physical and chemical properties**

Physical State and Appearance: liquid

Odor: Odorless

Odor threshold: Not Measured

pH : Not Available

Melting point / freezing point: Not Available

Initial boiling point and boiling rang: 212°F

Flash Point: Not Applicable

Evaporation rate (Butyl Acetate = 1): > 1

Flammability (solid, gas):Not Applicable

Upper/lower flammability or explosive limits:

Lower Explosive Limit: Not Applicable

Upper Explosive Limit: Not Applicable

Vapor pressure (Pa): 23 mmHg

Vapor Density :Not Available

Specific Gravity (H<sub>2</sub>O = 1):1.1

Solubility in Water: Complete

Partition coefficient n-octanol/water (Log K<sub>ow</sub>):Not Measured

Auto-ignition temperature :Not Measured

Decomposition temperature: Not Measured

Viscosity (cSt) :Not Measured

Heavy Metals:5 ppm maximum

Limit of Preservative: NMT 50 mg

Hydrogen Peroxide Assay: 2.5%-3.5%

## 9.2. Other information

No other relevant information.

## SECTION 10:

### Stability and reactivity

#### 10.1. Reactivity

Hazardous Polymerization will not occur.



#### 10.2. Chemical stability

Stable under normal circumstances.

#### 10.3. Possibility of hazardous reactions

No data available.

#### 10.4. Conditions to avoid

Extreme heat and contamination.

#### 10.5. Incompatible materials

Reducing agents, combustible materials.

#### 10.6. Hazardous decomposition products

Oxygen, which supports combustion.

### **SECTION 11:**

#### **Toxicological information**

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

No data available for the mixture.

### **SECTION 12:**

#### **Ecological information**

##### 12.1. Toxicity

No data available for the mixture.

##### 12.2. Persistence and degradability

There is no data available on the preparation itself.

##### 12.3. Bioaccumulative potential

Not Measured

12.4. Mobility in soil No data available.

12.5. Results of PBT and vPvB assessment This product contains no  
PBT/vPvB chemicals.

12.6 Other adverse effects

No data available

## **SECTION 13:**

### **Disposal considerations**

#### **Waste treatment methods**

Observe all federal, state and local regulations when disposing of this  
substance

## **SECTION 14:**

### **Transport information**

14.1. UN number : Not Applicable

14.2. UN proper shipping name: Not Regulated

14.3. Transport hazard class(es) : DOT Hazard Class

14.4. Packing group: Not Applicable

14.5. Environmental hazards

IMDG : Marine Pollutant: No

14.6. Special precautions for user : No further information

## **SECTION 15:**

## **Regulatory information**

Regulatory Overview :The regulatory data in Section 15 is not intended to be all-inclusive, only selected regulations are represented.

Toxic Substance Control Act ( TSCA): All components of this material are either listed or exempt from listing on the TSCA Inventory.

WHMIS Classification : D2B E

US EPA Tier II Hazards

Fire: No

Sudden Release of Pressure: No Reactive: No

Immediate (Acute): Yes

Delayed (Chronic): No

EPCRA 311/312 Chemicals and RQs:

To the best of our knowledge, there are no chemicals at levels which require reporting under this statute.

EPCRA 302 Extremely Hazardous: Hydrogen peroxide

EPCRA 313 Toxic Chemicals:

To the best of our knowledge, there are no chemicals at levels which require reporting under this statute.

Proposition 65 - Carcinogens (>0.0%): To the best of our

knowledge, there are no chemicals at levels which require reporting under this statute.

Proposition 65 - Developmental Toxins (>0.0%): To the best of our knowledge, there are no chemicals at levels which require reporting under this statute.

Proposition 65 - Female Repro Toxins (>0.0%): To the best of our knowledge, there are no chemicals at levels which require reporting under this statute.

Proposition 65 - Male Repro Toxins (>0.0%): To the best of our knowledge, there are no chemicals at levels which require reporting under this statute.

New Jersey RTK Substances (>1%): Hydrogen peroxide

Pennsylvania RTK Substances (>1%): Hydrogen peroxide

## **SECTION 16:**

### **Other information**

The information and recommendations contained herein are based upon data believed to be correct. However, no guarantee or warranty of any kind, expressed or implied, is made with respect to the information contained herein. We accept no responsibility and disclaim all liability for any harmful effects which may be caused by exposure to our products.

Customers/users of this product must comply with all applicable health

and safety laws, regulations, and orders.

The full text of the phrases appearing in section 3 is:

H271 May cause fire or explosion; strong oxidizer.

H302 Harmful if swallowed.

H314 Causes severe skin burns and eye damage.

H332 Harmful if inhaled.

This is the first version in the GHS SDS format. Listings of changes from previous versions in other formats are not applicable. Disclaimer: The contents of this MSDS are believed to be correct but do not purport to be all-inclusive and should only be used as a guide. NDC, Inc. disclaims any express or implied warranty as to the accuracy of the above information and shall not be held liable for any direct, incidental or consequential damages resulting from the reliance on the above information.