

杭州海关技术中心
国家危险化学品检测重点实验室（浙江）

电话 (Tel): 0571 8352 7220
传真 (Fax): 0571 8352 7219
邮编 (Post code): 311215
地址 (Add.): 中国杭州市萧山区建设三路 398 号

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ZAIQ-RF(HH)-01-19

Safety Data Sheet



Applicant name: Hangzhou Mingxin Hydrogen Peroxide Co., LTD

Product Name: Hydrogen Peroxide Disinfectant


Edit date: 2020-06-15

Edit institution: Technology Center of Hangzhou Customs District

Approver:



1. Unless other wise stated, this test report is only responsible for the sample(s).
2. This test report can not be reproduced,except in full,without prior written permission of the lab.

1. Identification of substance	
Product Name	Hydrogen Peroxide Disinfectant
Other Name	None
Chemical Name	Hydrogen Peroxide Disinfectant
Recommended Use	Disinfection
Manufacturer	Hangzhou Mingxin Hydrogen Peroxide Co., LTD
Address	9936# Hongshiwu Rd., Linjiang Industrial Park, Hangzhou, Zhejiang, China/311228
Phone Number	0086-571-86631891
Fax Number	0086-571-82988050
WEB or E-mail	www.mxsys.cn
Emergency Phone Number	0086-571-86617799-6694 or Call your nearest poison control centre
2. Hazards identification	
GHS classification	Skin corrosion/irritation 2 Serious eye damage/eye irritation 2A
GHS Pictograms	
Signal words	Warning
Hazard statements	H315:Causes skin irritation H319:Causes serious eye irritation
Precautionary Statement Prevention	P264:Wash hands thoroughly after handling. P280:Wear protective gloves/protective clothing/eye protection/face protection/hearing protection.
Precautionary Statement Response	P302+P352:IF ON SKIN: Wash with plenty of water/... P305+P351+P338:IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. P321:Specific treatment (see the supplemental first aid instruction). P332+P317:If skin irritation occurs:Get medical help. P337+P317:If eye irritation persists: Get medical help. P362+P364:Take off immediately contaminated clothing and wash it before reuse.
Precautionary Statement Storage	—
Precautionary Statement Disposal	—
Other hazards which do not result in classification	Not available.

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3. Composition/information on ingredients	
<input type="checkbox"/> Substances <input checked="" type="checkbox"/> Mixtures	
Component Information	
Component	CAS number EINECS number Mass(%)
Purified water	7732-18-5 231-791-2 95%wt
Hydrogen Peroxide	7722-84-1 231-765-0 5%wt
4. First-aid measures	
NOTE TO PHYSICIAN	In case of shortness of breath, give oxygen. Keep victim warm. Keep victim under observation.
After inhalation	Move to fresh air. Oxygen or artificial respiration if needed. Get immediate medical attention.
After skin contact	Immediately flush skin with plenty of water. Remove and isolate contaminated clothing and shoes. If irritation persists, get medical attention immediately. For minor skin contact, avoid spreading material on unaffected skin.
After eye contact	Wash clothing separately before reuse. Immediately flush eyes with plenty of water for at least 15 minutes. Assure adequate flushing of the eyes by separating the eyelids with fingers. Get medical attention immediately.
After ingestion	Rinse mouth with water. Do not induce vomiting without medical advice. If vomiting occurs naturally, have victim lean forward to reduce risk of aspiration. Loosen tight clothing such as a collar, tie, belt or waistband. Do not use mouth-to-mouth method if victim ingested the substance. Seek immediate medical attention.
Most important symptoms/effects, acute and delayed	Causes skin irritation Causes serious eye irritation
5. Fire-fighting measures	
Suitable extinguishing agents	Water spray, dry chemical powder etc.
Special hazards caused by the material, its products of combustion or flue gases	Can be released in case of fire: Oxygen.
Protective equipment for fire-fighters	Wear full protective clothing, including helmet, self-contained positive pressure or pressure demand breathing apparatus, protective clothing and face mask.
6. Accidental release measures	

Person-related safety precautions	Ensure adequate ventilation. Avoid inhalation of vapors, mists or gases. Do not touch damaged containers or spilled material unless wearing appropriate protective clothing. Ventilate closed spaces before entering. Keep unnecessary personnel away.
Measures for environmental protection	Prevent further leakage or spillage if safe to do so. Do not allow material to be released to the environment without proper governmental permits.
Measures for cleaning/collecting	Water dilution, with sand, vermiculite and other inert materials absorption.
Additional information	See Section 7 for information on safe handling See section 8 for information on personal protection equipment. See Section 13 for information on disposal.

7. Handling and storage

Handling	
Information for safe handling	In case of insufficient ventilation, wear suitable respiratory equipment. Wear neoprene gloves.
Information about protection against explosions and fires	Keep away from heat, sources of ignition, sparks or open flame.
STORAGE	
Requirements to be met by storerooms and containers	Keep it cool and ventilated. Store it separately from combustibles and reducing agents.
Information about storage in one common storage facility	Stay away from incompatible substances such as strong reducing agents, metal powders, etc. Keep away from flammable and combustible materials. Plastic drums and other containers should have air vents or pressure relief valves.
Further information about storage conditions	Storage areas should be equipped with emergency treatment equipment and suitable materials for leakage.

8. Exposure controls/personal protection

Limit Values for Exposure					
Component	CAS number	ACGIH TLV-TWA	ACGIH TLV-STEL	NIOSH PEL-TWA	NIOSH PEL-STEL
Hydrogen Peroxide	7722-84-1	1.5 mg/m3	N.E.	1.4 mg/m3	N.E.
Appropriate engineering controls	Use adequate ventilation to keep airborne concentrations low.				
General protective and hygienic measures	Do not get this material in contact with skin. Do not get this material on clothing. Avoid contact with eyes. Handle in accordance with good industrial hygiene and safety practice. Wash hands before breaks and at the end of workday.				

Personal protective equipment	Splash goggles, neoprene gloves, apron and a respirator or mask.
Breathing equipment	When workers are facing high concentrations they must use appropriate certified respirators.
Protection of hands	Wear neoprene gloves.
Eye/Face protection	Use safety glasses with side shields or safety goggles as mechanical barrier for prolonged exposure.
Body protection	Full set of anti chemical reagent overalls, choose body protection according to the amount and concentration of the dangerous substance at the work place.

Note: 1. N.E. means not established.

9. Physical and chemical properties

Physical state	Transparent liquid
Colour	Colourless
Odour	Slight peculiar smell
Melting point/freezing point	No data available
Boiling point or initial boiling point and boiling range	No data available
Flammability	Nonflammable
Lower and upper explosion limit/flammability limit	No data available
Flash point	No data available
Auto-ignition temperature	No data available
Decomposition temperature	No data available
pH	3-5 (5% solution, 25°C)
Kinematic viscosity	No data available
Solubility	No data available
Partition coefficient: n-octanol/water(log value)	No data available
Vapour pressure	No data available
Density and/or relative density	1.0001g/ml (20°C)
Relative vapour density (air=1)	No data available
Particle characteristics	Not applicable

10. Stability and reactivity

Reactivity	No data available.
Chemical stability	Stable under recommended storage and handling conditions.

14/01/2011

Possibility of hazardous reactions	No data available.
Conditions to avoid (e.g. static discharge, shock or vibration)	Heat, flames and sparks, extreme temperatures and direct sunlight.
Incompatible materials	Sugar, starch, alkali, metal (such as iron, copper, silver, etc.)
Hazardous decomposition products	No data available.

11. Toxicological information

Routes of Entry: Dermal contact, eye contact, inhalation, ingestion.

Acute Toxicity

LD50 (Oral, rat): N/A
LC50 (Inhalation, rat): N/A
LD50 (Dermal, rabbit): N/A

Skin corrosion/Irritation

Causes skin irritation

Serious eye

Causes serious eye irritation

damage/irritation

Respiratory or skin

Not classified

sensitization

Germ cell mutagenicity

Not classified

Carcinogenicity

Not classified

Reproductive toxicity

Not classified

STOT-single exposure

Not classified

STOT-repeated exposure

Not classified

Aspiration hazard

Not classified

Chronic Effects

Not classified

Further Information

None

12. Ecological information

Ecotoxicity

Aquatic Toxicity

Test & Species

96 Hr LC50 Fish: N/A

48 Hr EC50 Daphnia: N/A

72 Hr EC50 Algae: N/A

Persistence and degradability

Not available

Bioaccumulative potential

Not available

Mobility in soil

Not available

Additional Information

None

13. Disposal considerations

WASTE DISPOSAL INSTRUCTIONS

Contact a qualified professional waste disposal service to dispose of this material.

12/1/21

Dispose of in accordance with local environmental regulations or local authority requirements.

14. Transport information

The Recommendation of Transport of Dangerous Goods(TDG)

UN Number

Proper Shipping Name

Class/Division The product is not regulated by TDG.

Package Group The product is non-dangerous goods.

Subsidiary risk

labelling pictogram

Maritime transport IMDG/ Being same with TDG/ No

Marine pollutant (Yes/No)

Air transport ICAO-TI and Being same with TDG

IATA-DGR

15. Regulatory information

European/International Regulations

OSHA: Hazardous by definition of Hazard Communication Standard(29CFR 1910.1200).

EINECS Status: The main components of this chemical are included in EINECS inventory.

EPA TSCA Status: The main components of this chemical are included in TSCA inventory.

Canadian DSL/NDSL (Domestic Substances List/ Non-domestic Substances List): The main components of this chemical are included in DSL/NDSL.

HMIS(Hazardous Material Identification System Ratings): Health: 1
 Flammability: 0
 Physical hazard: 0
 Personal protection: H
 (4. Severe Hazard; 3. Serious Hazard; 2. Moderate Hazard; 1. Slight Hazard; 0. Minimal Hazard)

WHMIS(Canadian Workplace Hazardous Material Identification System Ratings): Not listed.

GB 12268-2012 List of dangerous goods This product is not a dangerous goods on the GB 12268-2012 list of dangerous goods.

16. other information

Employers should use this information only as a supplement to other information gathered by them, and should make independent judgment of suitability of this information to ensure proper use and protect the health and safety of employees. This information is furnished without warranty, and any use of the product not in conformance with this Material Safety Data Sheet, or in combination with any other product or process,

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is the responsibility of the user.

This Material Safety Data Sheet was based on the "Globally Harmonized System of Classification and Labelling of Chemicals", "Recommendations on the TRANSPORT OF DANGEROUS GOODS Model Regulations", "INTERNATIONAL MARITIME DANGEROUS GOODS CODE", "International Air Transport Association Dangerous Goods Regulations", the National Standards and other related dangerous chemicals management laws, regulations and standards, which are periodically updated and changed. To make dangerous goods / hazardous chemicals comply with the relevant requirements of the latest management, regularly update is recommended.

This Material Safety Data Sheet has been compiled in both English and Chinese. For any discrepancies, the Chinese version shall prevail.

Abbreviations and acronyms ADR: European Agreement concerning the International Carriage of Dangerous Goods by Road

RID: Regulations Concerning the International Transport of Dangerous Goods by Rail

IMDG: International Maritime Code for Dangerous Goods

IATA-DGR: Dangerous Goods Regulations by the "International Air Transport Association" (IATA)

ICAO-TI: Technical Instructions by the "International Civil Aviation Organization" (ICAO)

EINECS: European Inventory of Existing Commercial Chemical Substances

CAS: Chemical Abstracts Service

LC50: Lethal concentration, 50 percent

LD50: Lethal dose, 50 percent

EC50: Effective concentration, 50 percent

Edit Date 15.06.2020

Update and Revise Original edition

Edit Standard *Globally Harmonized System of Classification and Labelling for Chemicals* Part 1.5

Revised Institution Technology Center of Hangzhou Customs District

