



杭州海关技术中心
国家危险化学品检测重点实验室（浙江）



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正本/ORIGIN

编号: TCH24005804

No: TCH24005804

日期: 2024-04-01

Date: 2024-04-01

ZAIQ-RF(HH)-01-19

Safety Data Sheet

扫描查看在线报告



Applicant name: Hangzhou Mingxin Hydrogen Peroxide Co., Ltd.

Product Name: Hydrogen Peroxide Solution

Edit date: 2024-04-01

Edit institution: Technology Center of Hangzhou Customs District

Approver:

万旺军

1. Unless other wise stated, this test report is only responsible for the sample(s).
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声 明

DECLARATION

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2. 本报告无授权人签字、未加盖本机构报告专用章无效。

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3. 对本报告中检测数据如有异议，请在收到报告后十五天内提出复测申请（部分特殊项目不能复测）。复测以原样为准，复测维持原结论时，由申请方承担复测费。

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4. 本报告各页均为报告不可分割部分，使用者部分使用检测报告而导致误解或由此造成后果，本机构不承担任何责任。

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1. Identification of substance

Product Name	Hydrogen Peroxide Solution
Other Name	Hydrogen Peroxide Solution
Chemical Name	Hydrogen Peroxide Solution
Recommended Use	Bleaching agent, Oxidising agents, Chemical industry, Electronic industry, Metal treatment, Textile industry, Water treatment, Pulp and paper
Manufacturer	Hangzhou Mingxin Hydrogen Peroxide Co., Ltd.
Address	9936# Hongshiwu Rd., Linjiang, Qiantang District, Hangzhou, Zhejiang, China / 311228
Phone Number	+86-0571-82988063
Fax Number	+86-0571-82988050
WEB or E-mail	mx@mxxsys.cn
Emergency Phone Number	+86-0571-86617799-6694 or call your nearest poison control centre

2. Hazards identification

GHS classification	Oxidizing liquids 2 Acute toxicity-oral 4 Skin corrosion/irritation 1B Serious eye damage/eye irritation 1 Specific target organ toxicity, single exposure 3 Hazardous to the aquatic environment, long-term hazard 3
GHS Pictograms	
Signal words	Danger
Hazard statements	H272:May intensify fire;oxidizer H302:Harmful if swallowed H314:Causes severe skin burns and eye damage H318:Causes serious eye damage H335:May cause respiratory irritation H412:Harmful to aquatic life with long lasting effects
Precautionary Statement Prevention	P210:Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. P220:Keep away from clothing and other combustible materials. P260:Do not breathe dust/fume/gas/mist/vapours/spray. P261:Avoid breathing dust/fume/gas/mist/vapours/spray. P264:Wash hands [and...] thoroughly after handling. P264+P265:Wash hands [and...] thoroughly after handling. Do not touch eyes.

Precautionary Statement Response	P270:Do not eat, drink or smoke when using this product. P271:Use only outdoors or with adequate ventilation. P273:Avoid release to the environment. P280:Wear protective gloves/protective clothing/eye protection/face protection/hearing protection/... P301+P317:IF SWALLOWED: Get medical help. P301+P330+P331:IF SWALLOWED: Rinse mouth. Do NOT induce vomiting. P302+P361+P354:IF ON SKIN: Take off immediately all contaminated clothing. Immediately rinse with water for several minutes. P304+P340:IF INHALED: Remove person to fresh air and keep comfortable for breathing. P305+P354+P338:IF IN EYES:Immediately rinse with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. P316:Get emergency medical help immediately. P317:Get medical help. P319:Get medical help if you feel unwell. P321:Specific treatment (see the supplemental first aid instruction). P330:Rinse mouth. P363:Wash contaminated clothing before reuse P370+P378:In case of fire, use appropriate media to extinguish.
Precautionary Statement Storage	P403+P233:Store in a well-ventilated place. Keep container tightly closed. P405:Store locked up.
Precautionary Statement Disposal	P501:Dispose of contents/container in according with local regulation.
Other hazards which do not result in classification	No data.

3. Composition/information on ingredients

Substances

Mixtures

Component Information

Component	CAS number	EINECS number	Mass(%wt)
Hydrogen Peroxide	7722-84-1	231-765-0	50
Water	7732-18-5	215-185-5	50

4.First-aid measures

NOTE TO PHYSICIAN	In the case of shortness of breath, oxygen should be given to the victim. Keep the victim under observational supervision. Symptoms may be delayed. First responders need to protect themselves. Place contaminated clothing in a ziploc bag for
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After inhalation	subsequent disposal. Move to a place with fresh air. Provide oxygen or artificial respiration if necessary. Seek medical attention immediately.
After skin contact	Immediately flush skin with plenty of water. Remove contaminated clothing and shoes. If skin irritation persists: Get medical advice. If it is a small area of skin contact, prevent the expansion of the contact area. Place contaminated clothing in a sealed bag for subsequent disposal.
After eye contact	Immediately rinse thoroughly with flowing water or physiological saline for 5-10 minutes. Assure adequate flushing of the eyes by separating the eyelids with fingers. Get medical attention immediately.
After ingestion	Drink plenty of warm water to induce vomiting. Do not induce vomiting without medical advice. If the victim needs to vomit, lean forward to reduce the risk of sucking back. Loosen tight clothing such as collars, ties, belts, or belts. Do not use mouth-to-mouth rescue. Seek medical attention immediately.
Most important symptoms/effects, acute and delayed	Harmful if swallowed. Causes severe skin burns and eye damage. May cause respiratory irritation. Inhaling the vapor or mist of this product has a strong irritant effect on the respiratory tract, and a large amount of inhalation can cause pneumonia or pulmonary edema. Direct contact with liquids can cause irreversible damage and even blindness. Skin contact causes burns. Oral poisoning may cause abdominal pain, chest pain, difficulty breathing, vomiting, temporary motor and sensory disorders, and elevated body temperature. Individual cases have visual impairment, epileptic spasms, and mild paralysis. Long term exposure to this product can cause contact dermatitis.

5. Fire-fighting measures

Suitable extinguishing agents	Dry chemical powder, water. In case of fire in the surroundings, use appropriate extinguishing media. In case of fire: keep drums, etc., cool by spraying with water.
Special hazards caused by the material, its products of combustion or flue gases	In closed unventilated containers, risk of explosion due to the increased pressure from decomposition. Can be released in case of fire: water, 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. Fire upwind. Move the container from the fire to open area as far as possible. Keep containers, etc., cool by spraying with water until the end of the fire. Evacuate immediately if containers exposed to fire

have discolored or produced sounds from safety pressure relief devices.

6. Accidental release measures

Person-related safety precautions

Quickly evacuate the contaminated area personnel to a safe area, and isolate, restricted access strictly. Recommended emergency personnel wear self-contained breathing apparatus, wear protective overalls.

Measures for environmental protection

Ensure adequate ventilation. Do not touch damaged containers or spilled material unless wearing appropriate protective clothing. Ventilate closed spaces before entering. 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

Cut off the source of leakage as far as possible. Prevent from flowing into the restricted space such as sewers and flood discharge ditches. For small amounts: adsorb with sand, vermiculite or other inert materials. For large amounts: build a causeway or trenching asylum. Water spray cooling and dilution steam, protect field personnel. Transfer to tank car or special collector by pump, recycle or transport to waste disposal site.

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

Avoid contact with skin, eyes, mucous membranes and clothing.
 Provide adequate ventilation. Vapors are extracted at the exhaust source.

Information about protection against explosions and fires

Do not breathe dust/fume/gas/mist/vapor/spray.
 Keep away from heat/sparks/open flames/hot surfaces. --No smoking.
 Take steps to prevent electrostatic charge build-up.

STORAGE

Requirements to be met by storerooms and containers

Store in a cool, dry and well-ventilated warehouse, away from fire, heat sources, prevent sunlight exposure, and keep the container sealed. Packaging material: stainless steel or steel coated with protective layer. Unsuitable packaging material: Steel.
 light sensitive, Avoid decomposition and generation of oxygen gas which could result in high pressures and possible container rupture.

Information about storage in one common storage facility	Store away from incompatible substances such as reducing agents, combustible material, active metal powder, etc. Plastic buckets and other containers should be vented or pressure relief valve.
Further information about storage conditions	The storage room shall be equipped with corresponding types and quantities of fire fighting equipment, leakage emergency treatment equipment and suitable containment materials.

8. Exposure controls/personal protection

Limit Values for Exposure Component	CAS number	ACGIH TLV-TWA	ACGIH TLV-STEL	NIOSH REL-TWA	NIOSH REL-STEL
Hydrogen Peroxide	7722-84-1	1 ppm	N.E.	1 ppm	N.E.
Appropriate engineering controls	Airtight production process, overall ventilation. Facilities storing or utilizing this material should be equipped with an eyewash and a safety shower facility.				
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, polyethylene protective clothing and a dust/vapor respirator				
Breathing equipment	When workers are facing high concentrations they must use appropriate certified respirators, such as full-face airline respirator.				
Protection of hands	Wear neoprene glove. Wear protective glasses.				
Eye/Face protection	Use safety glasses with side shields or safety goggles as mechanical barrier for prolonged exposure, made of polycarbonate, acetate, polycarbonate/acetate, PETG or thermoplastic.				
Body protection	Use clean protective body-covering as needed to minimize contact with clothing and skin, such as an approved splash protective suit made of SBR rubber, PVC, Gore-Tex.				

Note: 1. N.E. not established.

9. Physical and chemical properties

Physical state	Transparent liquid
Colour	Colourless
Odour	A weak special odour
Melting point/freezing point	No data available
Boiling point or initial boiling point and boiling range	>35 °C
Flammability	Nonflammable, May intensify fire; oxidizer
Lower and upper explosion	No data available

limit/ flammability limit	
Flash point	>100 °C (Closed cup)
Auto-ignition temperature	No data available
Decomposition temperature	No data available
pH	No data available
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	No data available
Relative vapour density (air=1)	No data available
Particle characteristics	Not applicable

10. Stability and reactivity

Reactivity	Hydrogen peroxide forms an explosive mixture with many organic substances such as sugar, starch, alcohols, petroleum products, etc. It can explode under impact, heat, or electric spark. Hydrogen peroxide will decompose rapidly after contacting with many inorganic compound or impurities, resulting in explosion, releasing a lot of heat, oxygen and water vapor. Most heavy metals (such as iron, copper, silver, lead, mercury, zinc, cobalt, nickel, chromium, manganese, etc.) and their oxides and salts are active catalysts, and dust, cigarette ash, carbon powder, rust, etc. can also accelerate decomposition.
Chemical stability	Decomposes slowly to release oxygen. Light sensitive.
Possibility of hazardous reactions	No polymerization.
Conditions to avoid (e.g. static discharge, shock or vibration)	Incompatible materials. Strong light. Heat. Impact.
Incompatible materials	Avoid contact with sugar, starch, alkali, metal (such as iron, copper, silver, etc.).
Hazardous decomposition products	Oxygen, liable to produce overpressure in container.

11. Toxicological information

Routes of Entry:	skin contact, eye contact, inhalation, ingestion.
Acute Toxicity	
Hydrogen Peroxide (CAS 7722-84-1)	LD50 (Oral, rat): 693.7 mg/kg LC50 (Inhalation, rat): 200 mg/m ³ (4 h)

	LD50 (Dermal, rabbit): >2000 mg/kg
Skin corrosion/Irritation	Causes severe skin burns
Serious eye damage/irritation	Causes serious eye damage
Respiratory or skin sensitization	Not classified
Germ cell mutagenicity	Not classified
Carcinogenicity	Not classified
Reproductive toxicity	Not classified
STOT-single exposure	May cause respiratory irritation
STOT-repeated exposure	Not classified
Aspiration hazard	Not classified
Chronic Effects	Not classified
Further Information	None

12. Ecological information

Ecotoxicity	
Aquatic Toxicity	Hydrogen Peroxide (CAS 7722-84-1) Test & Species 96 Hr LC50 Fish: 16.4 mg/L 48 Hr EC50 Daphnia: 2.4 mg/L 72 Hr EC50 Algae: 1.38 mg/L
Persistence and degradability	Biodegradable
Bioaccumulative potential	Not available
Mobility in soil	Not available
Additional Information	Harmful to aquatic life with long lasting effects.

13. Disposal considerations

WASTE DISPOSAL INSTRUCTIONS

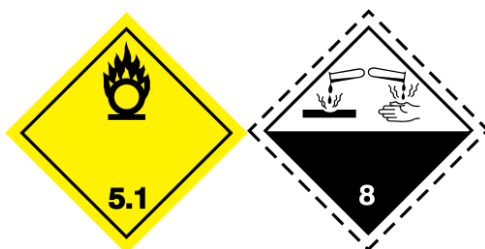
Contact a qualified professional waste disposal service to dispose of this material.

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	UN 2014
Proper Shipping Name	HYDROGEN PEROXIDE, AQUEOUS SOLUTION with not less than 20% but not more than 60% hydrogen peroxide
Class/Division	Division 5.1 Oxidizing Substances
Package Group	PG II
Subsidiary risk	Class 8 Corrosive Substances

labelling pictogram



Maritime transport IMDG	Being same with TDG Marine pollutant (Yes/No): No
Air transport ICAO-TI and IATA-DGR	Being same with TDG See A2, A75 for Special Provisions.

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(Domestic
Substances List): The main components of this chemical are included in DSL.

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

WHMIS (Canadian
Workplace Hazardous
Material Identification
System Ratings): C, D1B, E, F (Hydrogen Peroxide)

GB 12268-2012 List of
dangerous goods This chemical is 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, 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	01.04.2024
Update and Revise	Second edition
Edit Standard	<i>Globally Harmonized System of Classification and Labelling of Chemicals</i> Part 1.5
Revised Institution	Technology Center of Hangzhou Customs District



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化学品安全数据表



申请单位: 杭州名鑫双氧水有限公司

产品名称: 过氧化氢溶液

编制日期: 2024-04-01

编制机构: 杭州海关技术中心

批准人: 万旺军

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1. 标识

产品名称	过氧化氢溶液
其他名称	双氧水
化学名称	过氧化氢溶液
使用建议	漂白剂、氧化剂、化学工业、电子工业、纺织工业、金属处理、水处理、纸浆等
生产商	杭州名鑫双氧水有限公司
地址	浙江省杭州市钱塘区临江红十五路 9936 号/311228
固定电话	+86-0571-82988063
传真	+86-0571-82988050
网址或电子邮件地址	mx@mxsys.cn
应急电话	+86-0571-86617799-6694 或向离你最近的解毒中心求救

2. 危险标识

GHS 危险性分类	氧化性液体 2 类 急性毒性-口服 4 类 皮肤腐蚀/刺激 1B 类 严重眼损伤/眼刺激 1 类 特定目标器官毒性-单次接触 3 类 危害水生环境-长期危险 3 类
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GHS 危险标签



信号词	危险
危险说明	H272:可加剧燃烧; 氧化剂 H302:吞咽有害 H314:造成严重皮肤灼伤和眼损伤 H318:造成严重眼损伤 H335:可能造成呼吸道刺激 H412:对水生生物有害并具长期持续影响
防范说明	P210:远离热源、热表面、火花、明火和其他点火源。禁止吸烟。 P220:远离离服装和其他可燃材料。 P260:不要吸入粉尘/烟/气体/气雾/蒸气/喷雾。 P261:避免吸入粉尘/烟/气体/气雾/蒸气/喷雾。 P264:作业后彻底清洗手部[和……]。 P264+P265:作业后彻底清洗手部[和……]。勿触碰眼睛。 P270:使用本产品时, 不要进食、饮水或吸烟。 P271:只能在室外或充分通风的情况下使用。 P273:避免释放到环境中。 P280:戴防护手套/穿防护服/戴防护眼罩/戴防护面具/戴听力保护装置……

防范说明	P301+P317:如误吞咽:寻求医疗救助。
反应	P301+P330+P331:如误吞咽:漱口。不要诱导呕吐。 P302+P361+P354:如皮肤沾染:立即脱掉所有沾染的衣服。立即用水冲洗皮肤几分钟。 P304+P340:如误吸入:将受害人转移到空气新鲜处,保持呼吸舒适。 P305+P354+P338:如进入眼睛:立即用水冲洗几分钟。如戴隐形眼镜且可方便得取出,取出隐形眼镜。继续冲洗。 P316:立即寻求紧急医疗救助。 P317:寻求医疗救助。 P319:如感觉不适,需求医。 P321:具体治疗(见本标签上的附加急救措施)。 P330:漱口。 P363:沾染的衣服清洗后方可重新使用。 P370+P378:如起火,使用适宜的介质灭火。 P403+P233:存放于通风良好处并保持容器密闭。 P405:存放处须加锁。
防范说明	P501:依据地方法规处置内装物/容器。
储存	
防范说明	
处置	
不导致分类的其他危险	未知。

3. 成分构成/成分信息

□物质			
√混合物			
成分信息			
成分	CAS 号	EINECS 号	含量(%wt)
过氧化氢	7722-84-1	231-765-0	50
水	7732-18-5	215-185-5	50

4. 急救措施

对医师的建议	在呼吸急促的情况下,需给受害人输氧。让受害人处于观察监护下。症状可能会延迟出现。急救人员需自我保护。将受污染的衣服放入密封袋中以待后续处理。
吸入后	转移到有新鲜空气的地方。如需要,须输氧或进行人工呼吸。马上就医。
皮肤接触后	立即用大量的水冲洗皮肤。脱掉被污染的衣服和鞋子。如皮肤刺激仍继续:须求医。如原是小面积的皮肤接触,防止接触面积的扩大。将受污染的衣服放入密封袋中以待后续处理。
眼睛接触后	立即用流动清水或生理盐水彻底冲洗 5-10 分钟。用手指分开眼睑以保证充分冲洗眼睛。马上就医。
摄入后	饮足量温水,催吐。如果受害人需呕吐,使其前倾以减少倒吸的危险。解松过紧的衣物,如领子、领带、皮带或腰带。不要使用嘴对嘴的方法实施救助。马上就医。
主要的症状和影响,包括急性和迟发效应	吞咽有害。造成严重皮肤灼伤和眼损伤。可能造成呼吸道刺激。吸入本品蒸气或雾对呼吸道有强烈刺激性,一次大量吸入可引起肺炎或肺水肿。眼直接接触液体可致不可逆损伤甚至失明。皮肤接触引起

灼伤。口服中毒出现腹痛、胸口痛、呼吸困难、呕吐、一时性运动和感觉障碍、体温升高等。个别病例出现视力障碍、癫痫样痉挛、轻瘫。长期接触本品可致接触性皮炎。

5. 消防措施

合适的灭火剂 干粉灭火器、水。周围环境着火时，可使用任何可得到的灭火剂进行灭火。着火时，喷雾状水保持料桶等冷却。

由物质本身或其燃烧产物、烟气产生的特殊危险 在密闭且不通风的容器内，因分解后增加的压力而存在爆炸风险。

防护设备 在发生火灾时可能释放：水，氧气。
穿全套防护衣物，包括头盔，呼吸器，防护服和面罩。在上风向灭火。尽可能将容器从火场移至空旷处。喷水保持火场容器冷却，直至灭火结束。处在火场中的容器若已变色或从安全泄压装置中产生声音，必须马上撤离。

6. 泄露应急处理

与人相关的安全防范措施 迅速撤离泄漏污染区人员至安全区，并进行隔离，严格限制出入。建议应急处理人员戴自给正压式呼吸器，穿防毒服。确保通风充分。在穿上合适的防护服前，请勿触摸损坏的容器或泄漏物。在进入封闭空间前先通风。

环境保护措施 如能做到应防止进一步的泄露和溢出。无相关政府许可，不允许把该物质释放到环境中。

清洁/收集措施 尽可能切断泄漏源。防止流入下水道、排洪沟等限制性空间。小量泄漏：用砂土、蛭石或其它惰性材料吸收。也可以用大量水冲洗，稀释后放入废水系统。大量泄漏：构筑围堤或挖坑收容。喷雾状水冷却和稀释蒸汽、保护现场人员。用泵转移至槽车或专用收集器内，回收或运至废物处理场所处置。

附加说明 关于安全操作的信息见第 7 部分
关于个人防护设备的信息见第 8 部分
关于处置的信息见第 13 部分

7. 操作和存储

操作

安全操作的信息 避免和皮肤、眼睛、粘膜和衣服接触。
提供足够的通风。在排气源抽出蒸气。
不要吸入粉尘/烟/气体/烟雾/蒸汽/喷雾。

防止爆炸和火灾的信息 远离热源/火花/明火/热表面。——禁止吸烟。
采取措施防止静电电荷积累。

存储

对储藏室和容器的要求 储存于阴凉、干燥和良好通风的库房内，远离火种、热源，防止日光暴晒，保持容器密封。包装材料：不锈钢或涂有保护层的钢板。不适合的包装材料：钢材。
光照敏感，避免分解产生氧气，可能导致高压或容器破裂。

关于储藏在普通存储设施中的信息 远离不相容的物质如还原剂，可燃物，活性金属粉末等。
塑料桶等容器上应该有通气孔或减压阀。

关于储藏条件进一步的信息 储存室配备相应品种和数量的消防器材、泄露应急处理设备和合适的收容材料。

8. 暴露控制/人身保护

暴露限值

成分

CAS 号

ACGIH
限值-时
间加权平
均浓度

ACGIH
限值-短
时间接触
限值

NIOSH 阈
限值-时间加
权平均浓度

NIOSH 阈
限值-短时间
接触限值

过氧化氢

7722-84-1

1 ppm

N.E.

1 ppm

N.E.

减少接触的工程控制方法

生产过程密闭，全面通风。

储存和使用该材料区域应配备一个洗眼器和一个安全淋浴设施。

一般保护和卫生措施

不要让该物质与皮肤、衣物、眼睛接触。依据良好的工业卫生和安全条例操作。在休息和一天工作结束前要洗手。

个人防护用品

化学护目镜、氯丁橡胶手套、聚乙烯防护服、防护面罩。

呼吸设备

当工人在高浓度的环境下工作时，必须使用合适的已认证的呼吸器，如全面罩供气式呼吸器。

双手保护

戴氯丁橡胶手套。

眼睛/面部保护

使用带侧罩或安全眼镜的护目镜作为工人长期暴露的机械屏蔽，用聚碳酸酯，醋酸盐，聚碳酸酯/醋酸盐，PETG 或热塑塑料等材质制成。

身体保护

使用干净的防护服以尽量减少该物质与衣物和皮肤的接触，如经批准的 SBR 橡胶、PVC、Gore-Tex 制成的防溅防护服。

注:1. N.E. — 未建立。

9. 物理和化学特性

物理状态

透明液体

颜色

无色

气味

有微弱的特殊气味

熔点/凝固点

无数据资料

沸点或初始沸点和沸程

>35 °C

易燃性

不易燃，可加剧燃烧；氧化剂

上、下爆炸极限/易燃极限

无数据资料

闪点

>100 °C (闭杯)

自燃温度

无数据资料

分解温度

无数据资料

pH 值

无数据资料

运动粘度

无数据资料

溶解性

无数据资料

分配系数:正辛醇/水(对数值)

无数据资料

蒸汽压

无数据资料

密度和/或相对密度

无数据资料

相对蒸气密度(空气=1.0)

无数据资料

颗粒特征

不适用

10. 稳定性和反应活性

反应性

过氧化氢与许多有机物如糖、淀粉、醇类、石油产品等形成爆炸性混

化学稳定性	合物，在撞击、受热或电火花作用下能发生爆炸。过氧化氢与许多无机化合物或杂质接触后会迅速分解而导致爆炸，放出大量的热量、氧和水蒸气。大多数重金属（如铁、铜、银、铅、汞、锌、钴、镍、铬、锰等）及其氧化物和盐类都是活性催化剂，尘土、香烟灰、碳粉、铁锈等也能加速分解。
有害反应的可能性	缓慢地分解释放出氧气。对光敏感。
需避开的条件（如：静电放电，震动等）	没有聚合反应。
不相容的物质	不相容物质。强光。受热。撞击。
有害分解产物	避免和糖，淀粉，碱，金属（如铁、铜、银等）接触。 氧气，可能在容器内产生超压。

11. 毒理学信息

进入人体内的途径：皮肤接触、眼睛接触、吸入和摄入。

急性毒性

过氧化氢(CAS 7722-84-1) LD50（口服，大鼠）：693.7 mg/kg
LC50（吸入，大鼠）：200 mg/m³ (4 h)
LD50（皮肤，兔子）：>2000 mg/kg

皮肤腐蚀/刺激 造成严重皮肤灼伤。

严重眼损伤/刺激 造成严重眼损伤。

呼吸或皮肤敏化作用 未分类

生殖细胞致突变性 未分类

致癌性 未分类

生殖毒性 未分类

特定目标器官毒性-单次接触 可能造成呼吸道刺激

特定目标器官毒性-重复接触 未分类

吸入危险 未分类

慢性影响 未分类

其他信息 无

12. 生态学信息

生态毒性

水生毒性 过氧化氢（CAS 7722-84-1）
测试 & 物种
96 Hr LC50 鱼：16.4 mg/L
48 Hr EC50 溞类：2.4 mg/L
72 Hr EC50 藻类：1.38 mg/L

持久性和降解性 易生物降解

潜在的生物累积性 未知

土壤中的迁移性 未知

其他信息 对水生生物有害且具长期持续影响。

13. 废弃处置

废物处置说明

联系一家有资质的专业废物处置机构来处置。
按照当地的环境法规或地方当局的要求来进行处置。

14. 运输信息

联合国《关于危险货物运输的建议书 规章范本》(TDG)

UN 编号 UN 2014
正式运输名称 过氧化氢水溶液, 过氧化氢含量 20% - 60%
危险类/项别 5.1 项 氧化性物质
包装类别 PG II
次要危险性 第 8 类 腐蚀性物质
危险性标签



国际海运危规 IMDG 与 TDG 的分类相同
海洋污染物 (是/否): 否
国际空运危规 ICAO-TI 与 TDG 的分类相同
和 IATA-DGR 特殊规定详见 A2, A75。

15. 法规信息

欧洲/国际法规
OSHA (美国职业安全与健康管理法): 危险性根据危害通讯标准来编写(29CFR 1910.1200).
EINECS (欧洲现有商业化学物质名录): 该化学品的主要成分已被列入 EINECS 目录中。
EPA TSCA (有毒物质控制法): 该化学品的主要成分已被列入 TSCA 目录中。
加拿大 DSL/NDSL (国内物质清单)/ (非国内物质清单): 该化学品的主要成分已被列入 DSL 目录中。
HMIS (危险品识别系统): 健康危害: 3
易燃性: 0
物理危害: 1
个人防护: J
(4. 极其严重危害; 3. 严重危害; 2. 中度危害; 1. 轻度危害; 0. 极小危害)
WHMIS (加拿大工作场所所有有害物质识别系统): C、D1B、E、F (过氧化氢)
GB 12268-2012 危险品清单 该产品是一个危险品, 被列入 GB 12268-2012 危险货物清单。

16. 其他信息

雇主只能把本化学品安全数据表的信息当作他们所获其他信息的补充信息, 并能独立判断此信息的适用性, 以确保正确使用并保护雇员的健康和安全。此化学品安全数据表提供的信息并不具担保作用, 任何未按本化学品安全数据表使用产品、或与其他产品和操作过程同时使用本产品时产生的后果由用户自行承担。

本化学品安全数据表是根据《全球化学品统一分类和标签制度》，《联合国关于危险货物运输的建议书》，《国际海运危规》，国际航空运输协会《危险货物规则》和国家标准等相关危险化学品管理法律法规和标准进行编制，而上述法律法规和标准均会定期进行更新和变化。为使危险货物/危险化学品符合相关最新的管理要求，建议定期审核更新化学品安全数据表。

本化学品安全数据表分别以中、英文编制，在对中、英文本的理解上发生歧义时，以中文文本为准。

缩略语

ADR: 《关于危险货物道路国际运输的欧洲协议》

RID: 《关于危险货物铁路国际运输的规则》

IMDG: 国际海运危规

IATA-DGR: 国际航空运输协会《危险货物规则》(IATA)

ICAO-TI: 国际民用航空组织《国际民航公约》(ICAO)

EINECS: 欧洲现有商业化学物质名录

CAS: 化学文摘号

LC50: 半数致死浓度

LD50: 半数致死剂量

EC50: 半数效应浓度

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全球化学品统一分类和标签制度 第 1.5 部分

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