HUBEI HUANSHI INTERNATIONAL TRADE CO.,LTDLIMITED

ADD:ROOM 101, NO. 54, WUJIASHAN STREET, DONGXIHU DISTRICT, WUHAN,CHINA

CERTIFICATE OF ANALYSIS

Product name: glacial acetic acid
Quantity: 21000kg
Lot No.:20220313
Inspection Date: Mar.13th,2022

Items 检测项目	Index 指标	Result 检测结果
Appearance 外观	Transparent liquid,no visible impurities 透明液体，无可见杂质	Qualified 合格
Glacial Acetic Acid,%(m/m)≥ 冰醋酸的质量分数	99.8	99.9
Moisture,%(m/m)≤ 水分	0.15	0.065
Acetaldehyde,%(m/m)≤ 乙醛的质量分数	0.03	0.003
Permanganate Time,（min）≥ 高锰酸钾反应时间	60	120
Iron,%(m/m)≤ 铁的含量	0.00004	0.00003
Chromaticity(in Hazen)(Pt-Co)≤ 色度（铂-钴色号）	10	5
Formic Acid,%(m/m)≤ 甲酸的质量分数	0.05	0.025
Propionic Acid,%(m/m)≤ 丙酸的质量分数	0.05	0.02
Conclusion: 结论	Superior Product 优级品	
Approved by: Yang Bo	Checked by: Liu Kang	

For and on behalf of
Hubei Huanshi International Trade Co.,Ltd

Mike

Authorized Signature(s)

NEWAY ENTERPRISES LTD
ADDRESS:NO.222 CHANGHONG RD.,YUHUATAI DISTRICT,NANJING,JIANGSU,CHINA

CERTIFICATE OF ANALYSIS

GOODS : ACETIC ACID GLACIAL
MOLECULAR FORMULA: CH3CHOOH
PACKGAE –SIZE: (KG) 30KG DRUM
QUANTITY (KG): 21MT
BATCH NO: 240616
PRODUCTION DATE: 20240616
EXPIRATION DATE: 20250615
REPROT DATE: 20240726

ITEMS	Specification	Unit	RESULTS
Appearance	Clear, colorless liquid		Clear, colorless liquid
Acetic Acid	99.8	MIN. wt%	99.9
Color , Pt-Co	10	MAX.	5
Water	0.15	MAX. wt%	0.03
Formic Acid	0.05	MAX. wt%	0.01
Acetaldehyde	0.03	MAX. wt%	0.003
Residue on Evaporation	0.01	MAX. wt%	<0.01
Iron	0.4	MAX.ppm	0.00002
Permanganate time min	30mins	MIN.	130mins

For and on behalf of
NEWAY ENTERPRISES LTD
Mandy
Authorised Signature(s)

SAFETY DATA SHEET

Acetic acid

SDS

- According to GHS (Eighth Revised Edition)

Section 1 Product and Company Identification

> Product Identifier

Product Name	Acetic acid
Synonyms	-
CAS No.	64-19-7
EC No.	200-580-7
Molecular Formula	$C_2H_4O_2$

> Relevant Identified Uses of the Substance or Mixture and Uses Advised Against

Relevant Identified Uses	Please consult manufacturer.
Uses Advised Against	Please consult manufacturer.

> Details of the Supplier of the Safety Data Sheet

Applicant Name	NEWAY ENTERPRISES
Application Address	No 222, Changhong Rd, Yuhuatai District, Nanjing, Jiangsu,China
Applicant Post Code	
Applicant Telephone	
Applicant Fax	
Applicant E-mail	
Supplier Name	NEWAY ENTERPRISES
Supplier Address	No 222, Changhong Rd, Yuhuatai District, Nanjing, Jiangsu,China
Supplier Post Code	
Supplier Telephone	
Supplier Fax	
Supplier E-mail	

> Emergency Phone Number

Emergency Phone Number	

Section 2 Hazards Identification

Hazard class and label elements of the product according to GHS (the eighth revised edition):

> GHS Hazard Class

Flammable Liquids	Category 3
Acute Toxicity – Oral	Category 5

Acute Toxicity – Dermal	Category 4
Skin Corrosion/Irritation	Category 1
Eye Damage/Irritation	Category 1

> GHS Label Elements

Pictogram

Signal Word **Danger**

> Hazard Statements

H226	Flammable liquid and vapour
H303	May be harmful if swallowed
H312	Harmful in contact with skin
H314	Causes severe skin burns and eye damage
H318	Causes serious eye damage

> Precautionary Statements

Prevention

P210	Keep away from heat, hot surfaces, sparks,open flames and other ignition sources. No smoking.
P233	Keep container tightly closed.
P240	Ground and bond container and receiving equipment.
P241	Use explosion-proof [electrical/ventilating/lighting] equipment.
P242	Use non-sparking tools.
P243	Take action to prevent static discharges.
P260	Do not breathe dust/fume/gas/mist/vapours/spray.
P264	Wash contact area thoroughly after handling.
P280	Wear protective gloves/protective clothing/eye protection/face protection/hearing protection.

Response

P316	Get emergency medical help immediately.
P317	Get medical help.
P321	Specific treatment (see measures on this label).
P363	Wash contaminated clothing before reuse.
P301+P317	IF SWALLOWED:Get medical help.
P304+P340	IF INHALED: Remove person to fresh air and keep comfortable for breathing.
P362+P364	Take off contaminated clothing and wash it before reuse.
P370+P378	In case of fire: Use suitable extinguishing medium to extinguish.
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.
P303+P361+P353	IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse affected areas with water [or shower].
P305+P354+P338	IF IN EYES:Immediately rinse with water for several minutes.Remove contact lenses,if present and easy to do.Continue rinsing.

Storage

P405	Store locked up.
P403+P235	Store in a well-ventilated place. Keep cool.
Disposal	
P501	Dispose of contents/container in accordance with local/regional/national/ international regulations.

Section 3 Composition/Information on Ingredients

Component	Concentration (weight percent, %)	CAS No.	EC No.
Acetic acid	≥ 99.8	64-19-7	200-580-7

Section 4 First Aid Measures

> Description of First Aid Measures

General Advice	Immediate medical attention is required. Show this safety data sheet (SDS) to the doctor in attendance.
Eye Contact	Rinse thoroughly with plenty of water for at least 15 minutes and consult a physician if feel uncomfortable.
Skin Contact	Take off contaminated clothing and shoes immediately. Wash off with plenty of water for at least 15 minutes and consult a physician if feel uncomfortable.
Ingestion	Do not induce vomiting. Never give anything by mouth to an unconscious person. Call a physician or Poison Control Center immediately.
Inhalation	Move victim into fresh air. If breathing is difficult, give oxygen. Do not use mouth to mouth resuscitation if victim ingested or inhaled the substance. If not breathing, give artificial respiration and consult a physician immediately.
Protecting of First-aiders	Ensure that medical personnel are aware of the substance involved. Take precautions to protect themselves and prevent spread of contamination.

> Most Important Symptoms and Effects, both Acute and Delayed

1 Substance accumulation, in the human body, may occur and may cause some concern following repeated or long-term occupational exposure.

> Indication of Any Immediate Medical Attention and Special Treatment Needed

1 Treat symptomatically.

2 Symptoms may be delayed.

Section 5 Fire Fighting Measures

> Extinguishing Media

Suitable Extinguishing Media	Dry chemical, carbon dioxide or alcohol-resistant foam.
Unsuitable Extinguishing Media	Do not use a solid water stream as it may scatter or spread fire.

> Specific Hazards Arising from the Substance or Mixture

1 Will form explosive mixtures with air.

2 Fire exposed containers may vent contents through pressure relief valves thereby increasing fire intensity and/ or vapour concentration.

3 Vapours may travel to source of ignition and flash back.

4 Liquid and vapour are flammable.

5 Fire may produce irritating, poisonous or corrosive gases.

6 Containers may explode when heated.
7 Fire exposed containers may vent contents through pressure relief valves.
8 May expansion or decompose explosively when heated or involved in fire.

> Advice for Firefighters

1 As in any fire, wear self-contained breathing apparatus (MSHA/NIOSH approved or equivalent)and full protective gear.
2 Fight fire from a safe distance, with adequate cover.
3 Prevent fire extinguishing water from contaminating surface water or the ground water system.

Section 6 Accidental Release Measure

> Personal Precautions, Protective Equipment and Emergency Procedures

1 Avoid breathing vapors and contacting with skin and eye.
2 Beware of vapours accumulating to form explosive concentrations.
3 Vapours can accumulate in low areas.
4 Emergency personnel wear positive pressure self-contained breathing apparatus. Wear protective and anti-static clothing. Wear chemical impermeable gloves.
5 Ensure adequate ventilation. Remove all sources of ignition.
6 Evacuate personnel to safe areas. Keep people away from and upwind of spill/leak.
7 Use personal protective equipment. Avoid breathing vapours, mist, gas or dust.

> Environmental Precautions

1 Prevent further leakage or spillage if safe to do so.
2 Discharge into the environment must be avoided.

> Methods and Materials for Containment and Cleaning Up

1 Absorb spilled material in dry sand or inert absorbent. In case of large amount of spillage, contain a spill by bunding.
2 Adhered or collected material should be promptly disposed of, in accordance with appropriate laws and regulations.
3 Remove all sources of ignition. Use spark-proof tools and explosion-proof equipment.

Section 7 Handling and Storage

> Precautions for Handling

1 Avoid inhalation of vapors.
2 Use only non-sparking tools.
3 To prevent fire caused by electrostatic discharge steam, equipment on all metal parts should be grounded.
4 Use explosion proof equipment.
5 Handling is performed in a well ventilated place.
6 Wear suitable protective equipment.
7 Avoid contact with skin and eyes.
8 Keep away from heat/sparks/open flames/ hot surfaces.
9 Take precautionary measures against static discharges.

> Precautions for Storage

1 Keep containers tightly closed.
2 Keep containers in a dry, cool and well-ventilated place.
3 Keep away from heat/sparks/open flames/ hot surfaces.
4 Store away from incompatible materials and foodstuff containers.

Section 8 Exposure Controls/Personal Protection

> Control Parameters

Occupational Exposure Limit Values

Component	Country/Region	Limit Value - Eight Hours		Limit Value - Short Term	
		ppm	mg/m³	ppm	mg/m³
Acetic acid 64-19-7	USA - OSHA	10	25	-	-
	South Korea	10	25	15	37
	Ireland	10	25	15	37
	Germany (AGS)	10	25	20	50
	Denmark	10	25	20	50
	Australia	10	25	15	37

Biological Limit Values

No information available

Monitoring Methods

1 EN 14042 Workplace atmospheres. Guide for the application and use of procedures for the assessment of exposure to chemical and biological agents.
2 GBZ/T 160 Determination of toxic substances in workplace air(Series effective standard)and GBZ/T 300 Determination of toxic substances in workplace air(Series standard).

> Engineering Controls

1 Ensure adequate ventilation, especially in confined areas.
2 Ensure that eyewash stations and safety showers are close to the workstation location.
3 Use explosion-proof electrical/ventilating/lighting/equipment.
4 Set up emergency exit and necessary risk-elimination area.

> Personal Protection Equipment

Eye Protection	Tightly fitting safety goggles (approved by EN 166(EU) or NIOSH (US).
Hand Protection	Wear protective gloves (such as butyl rubber) , passing the tests according to EN 374(EU),US F739 or AS/NZS 2161.1 standard.
Respiratory protection	If exposure limits are exceeded or if irritation or other symptoms are experienced, use a full-face respirator with multi-purpose combination (US) or type AXBEK (EN 14387) respirator cartridges.
Skin and Body Protection	Wear fire/flame resistant/retardant clothing and antistatic boots.

Section 9 Physical and Chemical Properties

Appearance: Colorless transparant liquid
Odor Threshold: No information available
Melting Point/Freezing Point (℃): 16.7
Flash Point (℃)(Closed Cup): 39
Flammability: Not applicable
Odor: No information available
pH: 2.9
Initial Boiling Point and Boiling Range (℃): 118
Evaporation Rate: No information available
Upper/lower explosive limits[%(v/v)]: Upper limit:

17; Lower limit: 6

Vapor Pressure (KPa): 1.5

Relative Vapour Density(Air = 1): 2.1

Relative Density(Water=1): 1.05

Solubility: Miscible with water

n-Octanol/Water Partition Coefficient: -0.17

Auto-Ignition Temperature(℃): 485

Decomposition Temperature (℃): No information available

Kinematic Viscosity (mm^2/s): No information available

Particle characteristics: Not applicable

Section 10 Stability and Reactivity

Reactivity	Contact with incompatible substances can cause decomposition or other chemical reactions.
Chemical Stability	Stable under proper operation and storage conditions.
Possibility of Hazardous Reactions	Flammable, its gas or powder, if in contact with air, may form explosive mixtures.
Conditions to Avoid	Incompatible materials, heat, flame and spark.
Incompatible Materials	Metal alkoxides, furfuryl alcohol, acetaldehyde, nitric acid, nitrate, nitrite, oxyacid salt halogen and inorganic peroxide.
Hazardous Decomposition products	Under normal conditions of storage and use, hazardous decomposition products should not be produced.

Section 11 Toxicological Information

> Acute Toxicity

Component	CAS No.	LD_{50}(Oral)	LD_{50}(Dermal)	LC_{50}(Inhalation, 4h)
Acetic acid	64-19-7	3310mg/kg(Rat)	No information available	No information available

> Skin Corrosion/Irritation

Causes severe skin burns and eye damage(Category 1)(Acetic acid)

> Serious Eye Damage/Irritation

Causes serious eye damage(Category 1)(Acetic acid)

> Skin Sensitization

No information available

> Respiratory Sensitization

No information available

> Germ Cell Mutagenicity

No information available

> Carcinogenicity

ID	CAS No.	Component	IARC	NTP
1	64-19-7	Acetic acid	Not Listed	Not Listed

> Reproductive Toxicity

No information available

> Reproductive Toxicity (Additional)

No information available

> STOT-Single Exposure

No information available

> STOT-Repeated Exposure

No information available

> Aspiration Hazard

No information available

Section 12 Ecological Information

> Acute Aquatic Toxicity

Component	CAS No.	Fish	Crustaceans	Algae
Acetic acid	64-19-7	LC_{50}: 88mg/L (96h)(Fish)	EC_{50}: 65mg/L (48h)	No information available

> Chronic Aquatic Toxicity

No information available

> Others

Persistence and Degradability No information available

Bioaccumulative Potential No information available

Mobility in Soil No information available

Results of PBT and vPvB Assessment Acetic acid does not meet the criteria for PBT and vPvB according to Regulation (EC) No 1907/2006, annex XIII.

Section 13 Disposal Considerations

Waste Chemicals Before disposal should refer to the relevant national and local laws and regulation. Recommend the use of incineration disposal.

Contaminated Packaging Containers may still present chemical hazard when empty. Keep away from hot and ignition source of fire. Return to supplier for recycling if possible.

Disposal Recommendations Refer to section 13.1and 13.2.

Section 14 Transport Information

Transporting Label	
Marine pollutant	None
UN Number	2789
UN Proper Shipping Name	ACETIC ACID, GLACIAL
Transport Hazard Class	8
Transport Subsidiary Hazard Class	3
Packing Group	II

Section 15 Regulatory Information

> International Chemical Inventory

Component	EINECS	TSCA	DSL	IECSC	NZIoC	PICCS	KECI	AICS	ENCS
Acetic acid	√	√	√	√	√	√	√	√	√

【EINECS】 European Inventory of Existing Commercial Chemical Substances.
【TSCA】 United States Toxic Substances Control Act Inventory.
【DSL】 Canadian Domestic Substances List.
【IECSC】 China Inventory of Existing Chemical Substances.
【NZIoC】 New Zealand Inventory of Chemicals.
【PICCS】 Philippines Inventory of Chemicals and Chemical Substances.
【KECI】 Existing and Evaluated Chemical Substances.
【AICS】 Australia Inventory of Chemical Substances.
【ENCS】 Existing And New Chemical Substances.

Note
"√" Indicates that the substance included in the regulations
"×" That no data or included in the regulations

Section 16 Additional Information

Creation Date	2021/01/18
Revision Date	2021/01/18
Reason for Revision	-

> Disclaimer

This Safety Data Sheet (SDS) was prepared according to UN GHS (the 8th revised edition). The data included was derived from international authoritative database and provided by the enterprise. Other information was based on the present state of our knowledge. We try to ensure the correctness of all information. However, due to the diversity of information sources and the limitations of our knowledge, this document is only for user' s reference. Users should make their independent judgment of suitability of this information for their particular purposes. We do not assume responsibility for loss, damage or expense arising out of or in any way connected with the handling, storage, use or disposal of the product.


3H1/Y1.4/100/13
CN/372869
冰醋酸
GLACIAL ACETIC ACID
危险
引起严重的皮肤灼伤和眼睛损伤，易燃液体和蒸气
【预防措施】
·远离热源和明火。
·保持容器密封。
·戴防护手套、防护眼镜、防护面罩。
·操作后彻底清洗身体接触部位。
【事故响应】
·皮肤接触，立即用大量流动清水冲洗皮肤。
·眼睛接触，立即提起眼睑，用大量流动清水或生理盐水彻底冲洗至少15分钟。
·隔离泄漏污染区。
·火灾时，用水喷射逸出液体，使用雾状水、抗溶性泡沫、干粉或二氧化碳灭火。
【安全储存】
·储存于阴凉、干燥、通风良好的环境中并与不相容物质进行隔离。
【废弃处置】
·本品使用焚烧法处置。
请参阅化学品安全技术说明书
供应商：河南省康源香料厂有限公司 电话：+86-371-66777261
地 址：河南省尉氏县人民路东段（贾鲁河滩） 邮编：475500
化学事故应急咨询电话：+86-378-7993571


8
3
UN2789
CORROSIVE
8
3
ACETIC ACID, G
BATCH/LOT NO.
MANUFACTURING DATE:31/03/2
EXPIRY DATE:30/03/2023
NET WEIGHT: 30kg
GROSS WEIGHT:31.7kg
MADE IN CHINA