





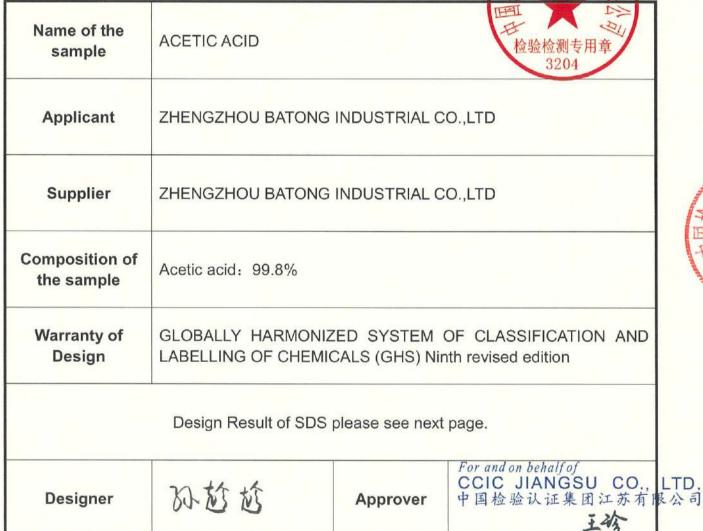




DESIGN REPORT OF SAFETY DATA SHEET

No.: 230100320446047E Date: Apr.20,2023





Notes: This SDS is valid before the implementation of the Tenth revised edition GHS.

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网址: www.ccicjs.com

Add: 47 Qingyang North Road, Tianning District, Changzhou, China

授权签字人

4

邮编 (P.C.): 213000



Authorized Signature (s)





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Warranty of Design: GHS (Ninth Revised

Edition)

SDS Date: Apr.20,2023

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

C2H4O2

> 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

ZHENGZHOU BATONG INDUSTRIAL CO.,LTD

Application Address

GUAN DI MIAO Village, YU LONG Town, XING YANG City

Applicant Post Code

450100

Applicant Telephone

+86-371-68538712

Applicant Fax

Applicant E-mail

info@batongchemical.com

Supplier Name

ZHENGZHOU BATONG INDUSTRIAL CO.,LTD

Supplier Address

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Supplier Post Code

450100

Supplier Telephone

+86-371-68538712

Supplier Fax

Supplier E-mail

info@batongchemical.com

> Emergency Phone Number

Emergency Phone

Number

+86-371-68538723

Section 2 Hazards Identification

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

> GHS Hazard Class

Flammable Liquids

Category 3

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Acute Toxicity - Oral

Category 5 Category 4

Acute Toxicity - Dermal

Category 1

Corrosion/Irritation

Serious Eve

Category 1

Damage/Eye Irritation

> 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

Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. P210

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.

Wear protective gloves/protective clothing/eye protection/face protection/hearing P280

protection.

P264+P265 Wash hands and other contact area thoroughly after handling. Do not touch eyes.

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.

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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 CAS No. EC No. Concentration (weight percent, %)

Acetic acid

64-19-7

200-580-7

99.8

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.

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 Ensure that medical personnel are aware of the substance involved. Take precautions

First-aiders to protect themselves and prevent spread of contamination.

> Most Important Symptoms and Effects, both Acute and Delayed

网址: www.ccicjs.com

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

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Inhalation

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> 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.
- 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

- 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.
- 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.

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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

- Absorb spilled material in dry sand or inert absorbent. In case of large amount of spillage, contain a spill by bunding.
- 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

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Acetic acid 64-19-7	USA - OSHA	10	25	-	2 c
	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

EN 14042 Workplace atmospheres. Guide for the application and use of procedures for the assessment of exposure to chemical and biological agents.

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.

Use explosion-proof electrical/ventilating/lighting/equipment.

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).

Wear protective gloves (such as butyl rubber), passing the tests according to EN **Hand Protection**

374(EU), US F739 or AS/NZS 2161.1 standard.

If exposure limits are exceeded or if irritation or other symptoms are experienced, use Respiratory protection

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 liquid Odor: No information available

Odor Threshold: No information available pH: 2.9

Melting Point/Freezing Point (°C): 16.7 Initial Boiling Point and Boiling Range (°C): 118

Flash Point (°C)(Closed Cup): 39 Evaporation Rate: No information available

Upper/lower explosive limits[%(v/v)]: Upper limit: 17; Flammability: Not applicable

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(°C): 485

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Decomposition Temperature (°C): No information

available

Kinematic Viscosity (mm²/s): No information available

Particle characteristics: Not applicable

Critical Temperature(°C): 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 Under normal conditions of storage and use, hazardous decomposition products

Decomposition products should not be produced.

Section 11 Toxicological Information

> Acute Toxicity

Component CAS No.		LD ₅₀ (Oral)	LD ₅₀ (Oral) LD ₅₀ (Dermal)	
Acetic acid	64-19-7	3310mg/kg(Rat)	1130mg/kg(Rabbit)	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

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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.

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Section 13 Disposal Considerations

Waste Chemicals Contaminated Packaging Disposal Recommendations Before disposal should refer to the relevant national and local laws and regulation. Containers may still present chemical hazard when empty. Keep away from hot and ignition source of fire. Return to supplier for recycling if possible.

Refer to Waste chemicals and Contaminated packaging.

Section 14 Transport Information

Transporting Label



ACETIC ACID, GLACIAL

Marine pollutant

No

UN Number

2789

UN Proper Shipping

-

Name

Transport Hazard Class

0

Transport Subsidiary

3

Hazard Class

3

Packing Group

П

Section 15 Regulatory Information

> International Chemical Inventory

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

[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

"v" Indicates that the substance included in the regulations

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Section 16 Additional Information

Creation Date

Apr.20,2023

Revision Date

Apr.20,2023

Reason for Revision

> Disclaimer

This Safety Data Sheet (SDS) was prepared according to UN GHS (the 9th 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.

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[&]quot;x" That no data or included in the regulations





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Terms of the Using of the Report

- The report is issued by CCIC according to the information of the chemicals and the information of shipping provided by the applicant (shipper or his agent).
- According to the demand of this SDS, CCIC requires the applicant to provide true and exact sample and data.
- 3. Information from applicant is the key of this SDS, so CCIC will not respond for the wrong of applicant.
- 4. Unless otherwise stated, the results shown in this test report refer only to the sample(s) tested.
- This report will be effective only after it is signed by the inspector, approver and stamped by CCIC 5.
- CCIC guarantees the objectivity and fairness of this report, and carries out confidentiality obligations on business secrets such as business information, technical documents and so on.
- The partly duplicating of this report is prohibited without the written approver of CCIC. 7.
- 8. The report is invalid when anything of the following happens-illegal transfer, embezzlement, imposture, modification or tampering in any media form.
- The authenticity of the certificate can be checked by scan the security code of this certificate.

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