NEAR INTERNATIONAL TRADE CO.,LIMITED
ADD:FLAT 1506,15/F,LUCKY CENTER,NO.165-171 WAN CHAI ROAD,WAN CHAI,HONG KONG
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Acetic acid，Glacial acetic acid

SAFETY DATA SHEET

SDS

according to GHS(sixth revised edition)

NEAR INTERNATIONAL TRADE CO., LTD

Section 1 - Product and Company Identification

Product name	Acetic acid，Glacial acetic acid
Applicant name	NEAR INTERNATIONAL TRADE CO., LTD
Application address	FLAT 1506, 15/F, LUCKY CENTER, NO.165-171 WAN CHAI ROAD, WANCHAI, HONG KONG
Applicant post code	257000
Applicant fax	+86-546-7277736
Applicant emergency number	+86-546-7277736
Applicant email	admin@nearchemical.com
Supplier name	NEAR INTERNATIONAL TRADE CO., LTD
Supplier address	FLAT 1506, 15/F, LUCKY CENTER, NO.165-171 WAN CHAI ROAD, WANCHAI, HONG KONG
Supplier post code	257000
Supplier fax	+86-546-7277736
Supplier emergency number	+86-546-7277736
SDS number	DG1605749E
Effective date	Apr 26, 2016

Section 2 –Hazards Identification

Hazard class and label elements of the substance according to GHS(the sixth revised edition):

GHS hazard class		
Physical hazard(s)	Flammable liquids	category3
Health hazard(s)	Acute toxicity, oral	category5
	Acute toxicity, dermal	category4
	Skin corrosion/irritation	category1
	Serious eye damage/eye irritation	category1

Pictogram

Signal Danger

Hazard statement(s)

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 thoroughly after handling.
P280 Wear protective gloves/protective clothing/eye protection/face protection.

Response

P301+P330+P331 IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.
P303+P361+P353 IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water [or shower].
P304+P340 IF INHALED: Remove person to fresh air and keep comfortable for breathing.
P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P310 Immediately call a POISON CENTER/doctor.
P312 Call a POISON CENTER/doctor/if you feel unwell.
P362+P364 Take off contaminated clothing and wash it before reuse.
P363 Wash contaminated clothing before reuse.

Storage

P403+P235 Store in a well-ventilated place. Keep cool.
P405 Store locked up.

Disposal

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

Section 3 – Composition/Information on Ingredients

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

Section 4 – First Aid Measures

After skin contact

Take off the contaminated clothing and shoes immediately. Wash off with soap and plenty of water. Consult a physician.

After eye contact

Rinse thoroughly with plenty of water for at least 15 minutes and consult a physician.

After ingestion

Do Not induce vomiting. Never give anything by mouth to an unconscious person. Rinse mouth with water. Consult a physician.

After 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.

Section 5 – Fire Fighting Measures

Hazardous products of combustion	Carbon oxides.
Extinguishing method	Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.
Special protective equipment	Wear self contained breathing apparatus for fire fighting if necessary.

Section 6 – Accidental Release Measure

Personal protective measures	Use personal protective equipment. Avoid breathing vapors, mist or gas. Ensure adequate ventilation. Remove all sources of ignition. Evacuate personnel to safe areas. Beware of vapours accumulating to form explosive concentrations. Vapours can accumulate in low areas.
Environmental protective measures	Prevent further leakage or spillage if safe to do so. Do not let product enter drains.
Methods for taking in and cleaning up	Soak up with inert absorbent material and dispose of as hazardous waste. Keep in suitable, closed containers for disposal.

Section 7 – Handling and Storage

Handling	Avoid contact with skin and eyes. Avoid inhalation of vapour or mist. Keep away from sources of ignition - No smoking. Take measures to prevent the build up of electrostatic charge.
Storage	Store in cool place. Keep container tightly closed in a dry and well-ventilated place. Containers which are opened must be carefully resealed and kept upright to prevent leakage.

Section 8 – Exposure Controls/Personal Protection

Engineering Controls	Safety shower and eye bath. Mechanical exhaust required.
Respiratory protection	Use a full-face supplied air respirator.
Eye protection	Wear chemical goggles.
Hand Protection	Wear impervious chemical resistant gloves.
Body protection	Protective work clothing.

Section 9 – Physical and Chemical Properties

Appearance and properties: Colorless transparent liquid
Odor: Irritating odor
Odor threshold: No data available
pH value: 2-3
Melting point/freezing point(℃): 17
Initial boiling point and boiling range(℃): 118
Flash point(℃)(closed cup): 39
Evaporation Rate: No data available
Flammability: No data available
Upper explosive limit%(V/V): No data available
Lower explosive limit%(V/V): No data available
Vapor pressure(MPa): No data available
Vapor density(g/mL): No data available
Relative density(g/cm³): 1.05（20℃）
Solubility: Soluble in water, ethanol, ethyl ether, carbon tetrachloride and glycerol and other organic solvents
Octanol / water partition coefficient: -0.31-0.17
Auto-ignition temperature(℃): No data available
Decomposition temperature(℃): No data available
Kinematic viscosity (mm^2/s): No data available

Section 10 – Stability and Reactivity

Reactive	No data available.
Chemical stability	Stable under the condition recommended.
Possibility of hazardous reactions	This product is colorless transparent liquid, stimulating table. In high temperature high fever is in danger of explosion. Strong reaction with alkali, strong oxidizing agents.
Avoid conditions	Heat, flames and sparks.
Incompatible materials	Oxidizing agents, Soluble carbonates and phosphates, Hydroxides, Metals, Peroxides, permanganates.
Hazardous decomposition products	Carbon monoxide, carbon dioxide.

Section 11 – Toxicological Information

Acute toxicity: Acetic acid: LD_{50}(rat,Oral) 3310mg/kg;LD_{50}(rat,Dermal)1060 mg/kg
Skin corrosion/irritation: Cause serious skin burns.
Serious eye damage/eye irritation: Cause serious eye damage.
Respiratory or skin sensitization: No data available.
Germ cell mutagenicity: No data available.
Carcinogenicity: No data available.
Reproductive toxicity: No data available.
Specific target organ toxicity – single exposure: No data available.
Specific target organ toxicity – repeated exposure: No data available.
Aspiration hazard: Suction is a high concentration of acetic acid aerosols, can appear cough, dyspnea, pharyngeal stimulation, dry throat, nasal secretions increase, nose bleeding, stimulating symptoms such as headache; Long-term inhalation of acetic acid vapour or aerosols may have chronic effects on human body, a cough, sputum, chest a sense of urgency and nasal catarrh symptom such as sinusitis. Individual contacts lead to asthma attacks, local skin black and Angle, the nasal mucosa and teeth of corrosion spots and anemia.

Section 12 – Ecological Information

Toxicity: Acetic acid:LC_{50}(Pimephales promelas,96h) 79-88mg/L;EC_{50}(Daphnia magna,48h) 65mg/L
Persistence and degradability: No data available.
Bioaccumulative potential: No data available.
Mobility in soil: No data available.
Other adverse effects: No data available.

Section 13 – Disposal Considerations

Property of waste: Hazardous Waste.
Methods of disposal: Dispose of in a manner consistent with federal, state, and local regulations.
Precautions of disposal: Professional processing together.

Section 14 - Transport Information

UN number: 2789
UN proper shipping name: ACETIC ACID SOLUTION, more than 80% acid, by mass
Transportation primary hazard class: 8

Transportation secondary hazard class: 3

Packing group: II

Section 15 - Regulatory Information

Component	CHINA	TSCA	ENCS	EINECS
Acetic acid	√	√	√	√

Note 1:

CHINA - China Inventory of Existing Chemical Substances（IECSC）

TSCA - United States Inventory of Toxic Substances Control Act Chemical Substances（TSCA）

ENCS - Japan Existing and New Chemical Substances（ENCS）

EINECS - European Inventory of Existing Commercial Chemical Substances（EINECS）

Note 2:

"√" Indicates that the substance included in the regulations

"-" That no data or included in the regulations

Section 16 - Additional Information

Prepared by: Changzhou Testing Center of Entry-Exit Industrial and Consumable Products

Completion Date: Apr 26, 2016

Modification statement: Original. Please update before the implementation of the GHS Seventh revised edition.

Other information: This Safety Data Sheet (SDS) was prepared according to UN GHS (the sixth revised edition) and the information included is based on the present state of our knowledge. However, the information is provided without any warranty, express or implied, regarding its correctness and is only for users reference. Users should make their independent judgement of suitability of these 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.