



AOWEI AGRICULTURAL TECHNOLOGY CO., LTD.

ADD: NO. 27, CBD BUSINESS INNER RING ROAD, ZHENGDONG NEW DISTRICT, ZHENGZHOU, CHINA

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MATERIALS SAFETY DATA SHEETS

MSDS OF ETHEPHON

Section 1 - IDENTIFICATION

Product Name:ETHEPHON

Synonym:

Supplier's details

Company

Address

Telephone

Fax

Emergency phone number

Emergency phone number

Service hours

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Monday to Friday, 9am-5pm (Standard time zone: UTC/GMT +8 hours).

Section 2 –Hazards Identification

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

GHS hazard class

Health hazard(s)

Acute toxicity, dermal

category4

Skin corrosion/irritation

category1

Acute toxicity, inhalation

category4

Environmental hazard(s)

Hazardous to the aquatic environment, long-term hazard

category3

Pictogram



Signal

Danger

Hazard statement(s)

H312 Harmful in contact with skin

H314 Causes severe skin burns and eye damage

H332 Harmful if inhaled

H412 Harmful to aquatic life with long lasting effects

Precautionary statements

Prevention

P261 Avoid breathing dust/fume/gas/mist/vapours/spray.

P264 Wash thoroughly after handling.

P271 Use only outdoors or in a well-ventilated area.

P273 Avoid release to the environment.

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.

Storage

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.
Ethephon	40%	16672-87-0	240-718-3
Water and Impurities	60%	—	—

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

If breathed in, move person into fresh air. If not breathing, give artificial respiration. Consult a physician.

Section 5 – Fire Fighting Measures

Hazardous products of combustion

Carbon oxides, phosphorus oxides, hydrogen chloride

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. Ensure adequate ventilation. Avoid

	breathing vapors, mist or gas. Evacuate personnel to safe 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.
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: Light yellow transparent liquid	Odor: No data available
Odor threshold: No data available	pH value: < 1
Melting point/freezing point(°C): 74-75	Initial boiling point and boiling range(°C): No data available
Flash point(°C)(closed cup): No data available	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): No data available
Solubility: Soluble in water and ethanol, Difficult to dissolve in dichloroethane and benzene	Octanol / water partition coefficient: No data available
Auto-ignition temperature(°C): No data available	Decomposition temperature(°C): No data available
Kinematic viscosity (mm²/s): No data available	

Section 10 – Stability and Reactivity

Reactive	No data available
Chemical stability	Stable under the condition recommended.
Possibility of hazardous reactions	No data available
Avoid conditions	Moisture.
Incompatible materials	Strong oxidizing agents, Strong bases
Hazardous decomposition products	No data available

Section 11 – Toxicological Information

Acute toxicity:

Ethephon: LD₅₀(rat, Oral) 3400mg/kg; LC₅₀(rat, Inhalation, 4h) 0.09 mg/L; LD₅₀(rabbit, Dermal) 5730 mg/kg

Skin corrosion/irritation: No data available

Serious eye damage/eye irritation: No data available

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: No data available

Section 12 – Ecological Information

Toxicity:

Ethephon: LC₅₀(Pimephales promelas, 96h) 130mg/L; EC₅₀(Daphnia magna, 48h) 31.7mg/L

Persistence and degradability: No data available

Bioaccumulative potential: No data available

Mobility in soil: No data available

Other adverse effects: Harmful to aquatic life with long lasting effects

Section 13 – Disposal Considerations

Property of waste: No data available

Methods of disposal: Dispose of in a manner consistent with federal, state, and local regulations.

Precautions of disposal: No data available.

Section 14 - Transport Information

UN number: 3265

UN proper shipping name: CORROSIVE LIQUID, ACIDIC, ORGANIC, N.O.S.

Transportation primary hazard class: 8

Transportation secondary hazard class: —

Packing group: II

Section 15 - Regulatory Information

Component	CHINA	TSCA	ENCS	EINECS
Ethephon	√	√	√	√
Water, Impurities	-	-	-	-

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:	Oct 29, 2021
Modification statement:	Original. Please update before the implementation of the GHS Sixth revised edition.
Other information:	<p>This Safety Data Sheet (SDS) was prepared according to UN GHS (the fifth 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.</p>