



Maxunitech North America, Inc.

SAFETY DATA SHEET

1. IDENTIFICATION

Product identifier

Product Name	Maxunitech Ethephon 6
EPA Registration Number	95009-15

Other means of identification

Synonyms
Ethephon
(2-chloroethyl)phosphonic acid

Recommended use of the chemical and restrictions on use

Recommended Use	Plant growth regulator
Uses advised against	Use according to label

Supplier's details

Maxunitech North America, Inc.
Add: 11601 Shadow Creek Pkwy, Suite 111-573, Pearland, Texas 77584, USA

Emergency phone number

National Pesticide Information Center: 1-800-858-7378 (Monday through Friday, 8:00 AM to 12 PM Pacific Standard Time)
Poison Control Center: 1-800-222-1222 (In the event of a medical emergency)

2. HAZARDS IDENTIFICATION

Classification of the substance or mixture

OSHA Regulatory Status

This material is considered hazardous by the OSHA Hazard Communication Standard (29 CFR 1910.1200)

Acute toxicity - Oral: Category 4
Acute toxicity - Dermal: Category 4
Skin corrosion/irritation: Category 1 Sub-category C
Serious eye damage/eye irritation : Category 1
Hazardous to the Aquatic Environment – Short-Term (Acute): Category 3

GHS Label elements, including precautionary statements



DANGER

Hazard Statements

H302 - Harmful if swallowed
H312 - Harmful in contact with skin
H314 - Cause severe skin burns and eyes damage



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H318 - Cause serious eye damage

H402 - Harmful to aquatic life

Precautionary Statements – Prevention

P260 - Do not breathe dusts or mists.

P264+P265 - Wash hands thoroughly after handling. Do not touch eyes.

P270 - Do not eat, drink or smoke when using this product.

P273 - Avoid release to the environment.

P280 - Wear protective gloves/protective clothing/eye protection/face protection.

Precautionary Statements – Response

P301+P317 - IF SWALLOWED: Get medical help.

P301 + P330 + P331 - IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.

P302+P352 - IF ON SKIN: Wash with plenty of water.

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.

P321 - Specific treatment (see on this label).

P362+P364 - Take off contaminated clothing and wash it before reuse.

P363 - Wash contaminated clothing before reuse.

Precautionary Statements - Storage

P405 - Store locked up.

Precautionary Statements - Disposal

P501 - Dispose of contents/container according to label directions.

Other Information

None

3. COMPOSITION/INFORMATION ON INGREDIENTS

Substance

Not applicable

Mixture

Chemical Name	CAS No.	%
Ethephon	16672-87-0	55.4
Other Ingredients	/	44.6
Total	/	100

4. FIRST AID MEASURES

Description of necessary first aid measures

General advice: Have the product container, label or Safety Data Sheet with you when calling a poison control center or doctor or going for treatment.

Inhalation: Move person to fresh air. If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably by mouth-to-mouth, if possible. Call a poison control



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center or doctor for further treatment advice.

Eye contact: Hold eye open and rinse slowly and gently with water for 15-20 minutes. Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye. Call a poison control center or doctor for treatment advice.

Skin contact: Take off contaminated clothing. Rinse skin immediately with plenty of water for 15-20 minutes. Call a poison control center or doctor for treatment advice.

Ingestion: Do not give any liquid to the person. Do not induce vomiting unless told to do so by the poison control center or doctor. Do not give anything by mouth to an unconscious person. If symptoms develop, get medical advice.

Most important symptoms and effects

Causes severe skin burns and eye damage. Will irritate mucous membranes. May cause skin redness, irritation or swelling. Ingestion may cause severe burns to mouth, throat or stomach.

Indication of any immediate medical attention and special treatment needed

Treat symptomatically. If the product is ingested, probable mucosal damage may contraindicate the use of gastric lavage.

5. FIRE-FIGHTING MEASURES

Suitable (and unsuitable) extinguishing media

Suitable: Use extinguishing media suitable for surrounding materials. Dry chemical, carbon dioxide, foam, water fog.

Special hazards arising from

Unusual Fire and Explosion Hazards: Not determined.

Hazardous Decomposition Materials (Under Fire Conditions): May include and are not limited to oxides of carbon and phosphorus, hydrogen chloride.

Advice for fire-fighters

Special protective equipment for fire-fighters: Firefighters should wear NIOSH/MSHA approved self-contained breathing apparatus and full firefighting turn out gear. Dike area to prevent runoff and contamination of water sources. Dispose of fire control water later.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures

Precautions: Wear appropriate protective gear for the situation. See Personal Protection information in Section 8.

Environmental precautions

Prevent material from entering public sewer systems or any waterways. Do not flush to drain. Large spills to soil or similar surfaces may necessitate removal of topsoil. The affected area should be removed and placed in an appropriate container for disposal.

Methods and materials for containment and cleaning up

Methods for Containment: Dike to prevent runoff. Absorb with earth, sand or other non-combustible material and transfer to containers for later disposal.



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Methods for cleaning up and Disposal: Clean up spill immediately. Vacuum or sweep up material and place in a chemical waste container. Or absorb spill with inert material. Wash area with soap and water. Pick up wash liquid with additional absorbent and place in a chemical waste container. Dispose of waste as indicated in Section 13.

7. HANDLING AND STORAGE

Precautions for safe handling

Handling: Handle in accordance with good industrial hygiene and safety practice. Avoid contact with eyes, skin or clothing. Wash thoroughly with soap and water after handling and before eating, drinking, chewing gum, using tobacco, or using the toilet. Remove and wash contaminated clothing before reuse. Do not contaminate other pesticides, fertilizers, water, food, or feed by storage or disposal.

Conditions for safe storage, including any incompatibilities

Storage: Store product in original container only, away from other pesticides, fertilizer, food, or feed. Do not use or store around the home. Avoid storage below 34°F. Product that has been frozen should be thawed and recirculated prior to its use. Store in a cool, dry place and avoid excess heat.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Exposure Guidelines

This product, as supplied, does not contain any hazardous materials with occupational exposure limits established by the region specific regulatory bodies

Control parameters

Appropriate engineering controls

Engineering controls: Where engineering controls are indicated by specific use conditions or a potential for excessive exposure, use local exhaust ventilation at the point of generation.

Individual protection measures, such as personal protective equipment

General Protection: Follow manufacturer's instructions for cleaning/maintaining PPE. If no such instructions for washables, use detergent and warm/tepid water. Keep and wash PPE separately from other laundry.

Eye/Face Protection: To avoid contact with eyes, wear chemical goggles or shielded safety glasses. An emergency eyewash or water supply should be readily accessible to the work area.

Skin protection: To avoid contact with skin, wear long pants, long-sleeved shirt, socks and shoes. An emergency shower or water supply should be readily accessible to the work area.

Respiratory protection: Not normally required. If vapors or mists exceed acceptable levels, wear NIOSH approved air-purifying respirator with cartridges/canisters approved for use against pesticides.

General Hygiene Considerations: Personal hygiene is an important work practice exposure control measure and the following general measures should be taken when working with or handling this material: 1) do not store, use and/or consume foods, beverages, tobacco products, or cosmetics in areas where this material is stored; 2) wash hands and face carefully before eating, drinking, using tobacco, applying cosmetics or using the toilet.



9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance	Colorless transparent liquid
Physical State	Liquid
Color	Colorless
Odor	No pungent smell
Odor threshold	No information available
pH	1.72 at 20.1°C
Density	1.2976 g/cm ³
Melting point/freezing point	No information available
Boiling Point/Range	No information available
Flash point	No information available
Evaporation Rate	No information available
Flammability (solid, gas)	No information available
Upper flammability limit:	No information available
Lower flammability limit:	No information available
Vapor pressure	No information available
Vapor density	No information available
Water solubility	No information available
Solubility in other solvents	No information available
Partition coefficient	No information available
Autoignition temperature	No information available
Decomposition temperature	No information available
Viscosity	No information available
Explosive properties	No information available
Oxidizing properties	No information available
Molecular weight	No information available

10. STABILITY AND REACTIVITY

Reactivity

Not reactive under normal conditions.

Chemical stability

Stable under normal handling and storage conditions.

Possibility of hazardous reactions

Will not occur.

Conditions to avoid

Elevated temperatures. Store above 34°F(1°C).

Incompatible materials

Strong bases. Strong oxidizing agents. Metals such as aluminum, tin, and zinc.

Hazardous decomposition products

May include but are not limited to: oxides of carbon, oxides of phosphorous. Hydrogen chloride.

11. TOXICOLOGICAL INFORMATION

Information on the likely routes of exposure



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The following information is from the formulated product:

LD₅₀ Oral = 3200 mg/kg (rat)

LD₅₀ Dermal = 1740 mg/kg (rabbit)

LC₅₀ Inhalation > 4.9 mg/l 4 h (rat)

Serious eye damage/eye irritation: Corrosive.

Skin corrosion/irritation: Severely irritating.

Sensitization: Not available.

CARCINOGEN STATUS:

OSHA: Not listed.

NTP: Not listed.

IARC: Not listed.

MUTAGENIC DATA:

No evidence of effects during *in vivo* or *in vitro* studies.

ADDITIONAL DATA:

No known to exhibit reproductive or birth defects.

12. ECOLOGICAL INFORMATION

Ecotoxicity

The following information is based on active ingredient (Ethephon):

Toxicity to fish	Rainbow trout
	LC ₅₀ : 519 mg/l
	Exposure time: 96 h
	Carp
	LC ₅₀ : >100 mg/l
	Exposure time: 96 h
Toxicity to bird	Bobwhite quail
	LD ₅₀ : 764mg/kg
	Dietary LC ₅₀ : >5000ppm
	Exposure time: 8 days
Toxicity to aquatic plants	Algae (<i>Chlorella vulgaris</i>)
	EC ₅₀ : 20.9 mg/l
	Exposure time: 72h
Acute toxicity to aquatic invertebrates	Daphnia magna
	EC ₅₀ : >90.4 mg/l
	Exposure time: 48 h

13. DISPOSAL CONSIDERATIONS

Waste treatment methods

PRODUCT DISPOSAL: END USERS MUST DISPOSE OF ANY UNUSED PRODUCT AS



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PER THE LABEL RECOMMENDATIONS. Pesticide wastes are acutely hazardous. Improper disposal of excess pesticide, spray mixture, or rinse is a violation of Federal Law. If these wastes cannot be disposed of by use according to label instructions, contact your State Pesticide or Environmental Control Agency or Hazardous Waste representative at the nearest EPA regional office. Never place any unused product down an indoor or outdoor drain. Do not contaminate water, food or feed by disposal.

CONTAINER DISPOSAL: Disposal should be in accordance with applicable regional, national and local laws and regulations.

14. TRANSPORT INFORMATION

DOT:

UN/ID No	UN3265
Proper Shipping Name	Corrosive liquid, acidic, organic, n.o.s. (ethephon)
Hazard Class	8
Packing Group	III

Packages with inner packaging not over 5 liters (1.3 gallons) each may be reclassified as Limited Quantity

IATA:

UN/ID No	UN3265
Proper Shipping Name	Corrosive liquid, acidic, organic, n.o.s. (ethephon)
Hazard Class	8
Packing Group	III

IMDG SHIPPING NAME:

UN/ID No	UN3265
Proper Shipping Name	Corrosive liquid, acidic, organic, n.o.s. (ethephon)
Hazard Class	8
Packing Group	III

15. REGULATORY INFORMATION

International Inventories

TSCA All ingredients are listed or exempt from listing on Chemical Substance Inventory

US Federal Regulations

SARA 311/312 Hazard Categories

Acute Health Hazard	Yes
Chronic Health Hazard	Yes
Fire Hazard	No
Sudden Release of Pressure Hazard	No
Reactive Hazard	No

SARA 313

Not determined

CWA (Clean Water Act)



Maxunitech North America, Inc.

This product does not contain any substances regulated as pollutants pursuant to the Clean Water Act (40 CFR 122.21 and 40 CFR 122.42)

CERCLA

This material, as supplied, does not contain any substances regulated as hazardous substances under the Comprehensive Environmental Response Compensation and Liability Act (CERCLA) (40 CFR 302) or the Superfund Amendments and Reauthorization Act (SARA) (40 CFR 355). There may be specific reporting requirements at the local, regional, or state level pertaining to releases of this material

US State Regulations

California Proposition 65

This product does not contain any Proposition 65 chemicals.

U.S. State Right-to-Know Regulations

This product does not contain any substances regulated under applicable state right-to-know regulations

EPA Pesticide Registration Number: 95009-15

EPA Statement

This chemical is a pesticide product registered by the Environmental Protection Agency and is subject to certain labeling requirements under federal pesticide law. These requirements differ from the classification criteria and hazard information required for safety data sheets, and for workplace labels of non-pesticide chemicals. Following is the hazard information as required on the pesticide label:

Signal Word: Danger

Danger: Causes irreversible eye damage and skin burns. Harmful if swallowed. Harmful if absorbed through skin. Do not get in eyes or on clothing. Wash thoroughly with soap and water after handling and before eating, drinking, chewing gum, or using tobacco. Remove and wash contaminated clothing before reuse.

16. OTHER INFORMATION

SDS Creation Date: 25-Mar-2025

Version Number: #1

The information above is believed to be accurate and represents the best information currently available to us. However, we make no warranty of merchantability or any other warranty, express or implied, with respect to such information, and we assume no liability resulting from its use. Users should make their own investigations to determine the suitability of the information for their particular purposes. In no event shall the company be liable for any claims, losses, or damages of any third party or for lost profits or any special, indirect, incidental, consequential or exemplary damages, howsoever arising, even if the company has been advised of the possibility of such damages.