



Maxunitech North America Inc

27 Goleta Point Drive, Corona del Mar, CA 92625

SAFETY DATA SHEET

Section 1- Product and Company Identification

PRODUCT:

Maxunitech Carfentrazone 2 EC Herbicide

OTHER MEANS OF IDENTIFICATION:

Synonyms

Benzenepropanoic acid, alpha., 2-dichloro-5-[4-(difluoromethyl)-4,5-dihydro-3-methyl-5-oxo-1H-1,2,4-triazol-1-yl]-4-fluoro-, ethyl ester

RECOMMENDED USE OF THE CHEMICAL AND RESTRICTIONS ON USE:

Agricultural herbicide

COMPANY IDENTIFICATION:

Maxunitech North America, Inc

Add: 27 Goleta Point Drive, Corona del Mar, CA 92625

Tel: 571-280-57983

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)

Section 2 - Hazards Identification

WARNING

Combustible liquid (H227)

Very toxic to aquatic life (H400)



HEALTH HAZARDS

None

PHYSICAL HAZARDS

Flammable Liquids: Category 4

ENVIRONMENTAL HAZARDS

Hazardous to the Aquatic Environment – Short-Term (Acute): Category 1

PRECAUTIONARY STATEMENT

Keep away from heat, hot surface, sparks, open flames, and other ignition sources. No smoking. Wear protective gloves/protective clothing/eye protection/hearing protection.

(P210+P280)

In case of fire: Use extinguishing materials listed in Section 5 of SDS.

(P370+P378)



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Section 2- Hazard(s) Identification (CONT.)

Avoid release to the environment (P273)

Collect spillage. Store in a well-ventilated place. (P391+P403)

Dispose of contents / containers in accordance with local, State and Federal regulations. Refer to the product label for specific disposal instructions. (P501)

Section 3 - Composition/Information on Ingredient

Carfentrazone-ethyl (CAS#128639-02-1)	23.93%
Other inert ingredients	76.07%

Section 4 - First Aid Measures

EYES: Hold eyes 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 eyes. Call a poison control center or doctor for treatment advice.

SKIN: 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: Call a poison control center or doctor immediately for treatment advice. Have person sip a glass of water if able to swallow. Do not induce vomiting unless told to do so by the poison control center or doctor. Never give anything by mouth to an unconscious person.

Section 5 - Fire Fighting Measures

SUITABLE EXTINGUISHING MEDIA:

Foam, CO2 or dry chemical. Soft stream water fog only if necessary. Contain all runoff.

SPECIFIC HAZARDS ARISING FROM THE CHEMICAL:

Hazardous combustion products include carbon monoxide, carbon dioxide, nitrogen oxides, hydrogen chloride, phosgene and hydrogen fluoride. Not combustible. When heated above the flash point, this material releases vapors which, when mixed with air, can burn or be explosive.

SPECIAL PROTECTIVE EQUIPMENT AND PRECAUTIONS FOR FIRE FIGHTERS:

Isolate fire area. Evacuate downwind. Wear full protective clothing and self-contained breathing apparatus. Do not breathe smoke, gases or vapors generated.



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Section 6 - Accidental Release Measures

PERSONAL PRECAUTION, PROTECTIVE EQUIPMENT AND EMERGENCY PROCEDURES:

Wear respiratory protection, chemical resistant gloves, protective clothing and safety boots. Evacuate all non-essential personnel from affected area. Do not breathe vapors. Ensure adequate ventilation. Extinguish all sources of ignition. Avoid sparks and open flames. No smoking.

ENVIRONMENTAL PRECAUTIONS:

Keep material out of lakes, streams, ponds and sewer drains. In the event of a major spill, prevent spillage from entering drains or water courses.

RELEASE NOTES:

Stop leak if safe to do so and absorb spill with sand, earth, vermiculite or some other absorbent material. Collect the spilled material and place into a suitable container for disposal.

Section 7 - Handling and Storage

PRECAUTIONS FOR SAFE HANDLING:

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.

CONDITIONS FOR SAFE STORAGE:

Not for use or storage in or around the home. Keep out of reach of children and animals. Store in original containers only. Store in a cool, dry place and avoid excess heat. Carefully open containers. After partial use, replace lids and close tightly. DO NOT put formulated or dilute material into food or drink containers. DO NOT contaminate other pesticides, fertilizers, water, food, or feed by inappropriate storage or disposal.

Section 8 - Exposure Controls / PPE

ENGINEERING CONTROLS:

Handle in well ventilated areas, generally natural ventilation is adequate.

PERSONAL PROTECTIVE EQUIPMENT (PPE):

Applicators and other handlers must wear long-sleeved shirt and long pants, waterproof gloves, and shoes plus socks.

HYGIENE MEASURES:

Follow manufacturer's instructions for cleaning/maintaining PPE. If no such instructions for washables exist, use detergent and hot water. Keep and wash PPE separately from other laundry.



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Section 9 - Physical/Chemical Properties

Odor:	Pungent smell
Appearance:	Light yellow liquid
Boiling Point/Boiling Range:	No data available
Melting Point/Freezing Point:	No data available
Flammability (solid, gas):	No data available
Lower and upper explosion limit/flammability limit:	No data available
Auto-ignition temperature:	No data available
Decomposition temperature:	No data available
Density:	1.0039 at 20°C
pH:	5.31 at 19.8°C (1% dispersion)
Viscosity:	31.58 mm ² /s at 20°C 15.15 mm ² /s at 40°C
Solubility:	No data available
Partition coefficient:	No data available
Vapor Pressure:	No data available
Flash Point:	72.5°C (162.5°F)
Explodability:	Non-explosive
Combustibility:	Non-combustible
Corrosivity:	Non-corrosive
Particle characteristics:	No data available

Section 10 - Stability and Reactivity

CONDITIONS TO AVOID:

Heat, sparks, open flames, hot surfaces and direct sunlight.

CHEMICAL STABILITY:

Stable at ambient temperature and under normal conditions of use.

POSSIBILITY OF HAZARDOUS REACTIONS:

Hazardous polymerization will not occur.

INCOMPATIBLE MATERIALS:

Strong oxidizing agents.

HAZARDOUS DECOMPOSITION PRODUCTS:

Carbon monoxide, carbon dioxide, nitrogen oxides, hydrogen chloride, phosgene and hydrogen fluoride.



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Section 11 - Toxicological Information

ORAL LD50: >2,000 mg/kg(rat)

DERMAL LD50: >2,000 mg/kg (rat)

INHALATION LC50: >5.538 mg/l (4 h, rat)

EYE EFFECTS: Mildly irritating (rabbit)

SKIN EFFECTS: Slightly irritating (rabbit)

SKIN SENSITIZATION: Not a contact sensitizer (guinea pig)

Section 12 - Ecological Information

The information below is based on active ingredient.

FISH

LC50 (96 h) Depending on species: 1.6-43 mg/L

DAPHNIA

EC50 (48 h): 9.8 mg/L

ALGAE

EC50 Depending on species: 5.7-17 ug/L

OTHER AQUATIC SPP.

EC50 (96 h) Eastern Oysters: 2.05 ppm

EC50 (96 h) Mysid Shrimp: 1.16 ppm

EC50 (14 d) Duckweed: 0.0057 mg/L

BEEES

LD50: >200 mg/bee (contact)

LD50: >35 mg/bee (oral)

WORMS

LC50: >820 mg/kg soil

PERSISTENCE AND DEGRADABILITY:

Carfentrazone-ethyl: Non-persistent. Readily hydrolyzed. Not readily biodegradable.

BIOACCUMULATIVE POTENTIAL:

Carfentrazone-ethyl: The substance does not have a potential for bioconcentration.

MOBILITY IN SOIL:

Residues of this chemical have properties and characteristics associated with chemicals detected in ground water. Residues of this chemical may leach into ground water if the chemical is used in areas where soils are permeable, particularly where the water table is shallow.

OTHER ADVERSE EFFECTS:

No information available.



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Section 13 - Disposal Considerations

DISPOSAL METHOD:

Waste resulting from the use of this product may be disposed of at an approved waste disposal facility.

CONTAINER HANDLING:

Nonrefillable container and refillable containers. Refer to the product label for specific container disposal instructions.

Section 14 - Transport Information

DOT

This material is a Combustible liquid and is, therefore, not subject to the hazardous materials regulations when in non-bulk packages shipped within the USA per 49 CFR 173.150(f)(2).

UN No.: NA1993

Packaging Group: III

Hazard Class: 3

Marine Pollutant: Yes

Description: NA1993, Combustible liquid, N.O.S. (contains carfentrazone-ethyl), 3, PG III Classification below is only applicable when shipped by vessel and is not applicable when shipped by road or rail only.

UN No.: UN3082

Packaging Group: III

Hazard Class: 9

Marine Pollutant: Yes (carfentrazone-ethyl)

Description: UN3082, Environmentally hazardous substance, liquid, N.O.S. (contains carfentrazone-ethyl), 9, PG III, Marine Pollutant

IMDG

UN No.: 3082

Packaging Group: III

Hazard Class: 9

Marine Pollutant: Yes

Description: UN3082, Environmentally hazardous substance, liquid, N.O.S. (contains carfentrazone-ethyl), 9, PG III, Marine Pollutant

IATA

UN No.: 3082

Packaging Group: III

Hazard Class: 9

Marine Pollutant: Yes

Description: UN3082, Environmentally hazardous substance, liquid, N.O.S. (contains carfentrazone-ethyl), 9, PG III, Marine Pollutant



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Section 15 - Regulatory Information

FIFRA

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. The following is the hazard information as required on the pesticide label:

PRECAUTIONARY STATEMENTS

HAZARDS TO HUMAN AND DOMESTIC ANIMALS

CAUTION. Harmful if swallowed or absorbed through the skin. Causes moderate eye irritation. 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.

ENVIRONMENTAL HAZARDS

Carfentrazone-ethyl is very toxic to algae and moderately toxic to fish. DO NOT apply directly to water, to areas where surface water is present or to intertidal areas below the high-water mark, except as specified on this label. DO NOT contaminate water when disposing of equipment washwater or rinsate.

SARA TITLE III – SECTION 302 EXTREMELY HAZARDOUS SUBSTANCES

Not listed

SARA TITLE III – SECTION 311/312 HAZARDOUS CATEGORIES

Immediate (acute), Fire

SARA TITLE III – SECTION 312 THRESHOLD PLANNING QUANTITY

The threshold planning quantity (TPQ) for this product treated as a mixture is 10,000 lbs. This product contains no ingredients with a TPQ of less than 10,000 lbs.

SARA TITLE III – SECTION 313 REPORTABLE INGREDIENTS

None

CERLA REPORTABLE QUANTITY (RQ)

Not listed

CALIFORNIA PROP 65 STATUS

This product does not contain any chemicals known to the state of California to cause cancer or reproductive harm.

CANADA

This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations (CPR) and the SDS contains all of the information required by CPR.

NOTICE: The information herein is presented in good faith and believed to be



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accurate as of the effective date shown above. However, no warranty, express or implied, is given. Regulatory requirements are subject to change and may differ from one location to another; it is the buyer's responsibility to ensure that its activities comply with federal, state or provincial, and local laws.

Section 16 - Additional Information

MSDS Creation Date: May 6, 2011

Revision #7 Date: July 27, 2021

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.