



Maxunitech North America Inc

27 Goleta Point Drive, Corona del Mar, CA 92625

SAFETY DATA SHEET

Section 1- Product and Company Identification

Product:

Maxunitech TDZ 4SC Cotton Defoliant

EPA Registration Number:

95009-4

Other means of identification

Thidiazuron: *N*-phenyl-*N'*-1,2,3-thidiazol-5-ylurea

Recommended use of the chemical and restrictions on use

Recommended Use Plant growth regulator

Restrictions on Use Use as recommended by the label

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

Toxic to aquatic life (H401)

Environmental hazards

Hazardous to the Aquatic Environment - Short-Term (Acute): Category 2

Precautionary statement

Avoid release to the environment not in accordance with the product label.
(P273)

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

Thidiazuron (CAS# 51707-55-2)	40.93%
Inert ingredients:	59.07%



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Section 4 - First Aid Measures

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.

Skin:

Take off contaminated clothing and shoes immediately. Wash off immediately with plenty of water for 15-20 minutes. If symptoms persist, call a physician.

Most important symptoms and effects, acute and delayed

To date no symptoms are known.

Indication of immediate medical attention and special treatment needed, if necessary

No specific antidote.

Section 5 - Fire Fighting Measures

Suitable extinguishing media:

Dry chemical, Carbon dioxide (CO₂), Foam, Water spray.

Specific hazards arising from the chemical:

In the event of fire the following may be released: Nitrogen oxides (NO_x), Sulphur oxides, Carbon monoxide (CO)

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.

Section 6 - Accidental Release Measures

Personal precaution, protective equipment and emergency procedures:

Avoid contact with spilled product or contaminated surfaces. When dealing with a spillage do not eat, drink or smoke. Keep unauthorized people away. Use personal protective equipment.

Environmental precautions:

Do not allow to get into surface water, drains and ground water. If the product contaminates rivers and lakes or drains inform respective authorities.

Methods and materials for containment and cleaning up:

Keep in suitable, closed containers for disposal. Soak up with inert absorbent material (e.g. sand, silica gel, acid binder, universal binder, sawdust). Clean contaminated floors and objects thoroughly, observing environmental



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regulations.

Section 7 - Handling and Storage

Precautions for safe handling:

Wash hands before breaks and immediately after handling the product. Before removing gloves clean them with soap and water. Remove soiled clothing immediately and clean thoroughly before using again. Fire or intense heat may cause violent rupture of packages.

Conditions for safe storage:

Keep out of the reach of children. Keep containers tightly closed in a dry, cool and well-ventilated place. Keep away from direct sunlight. Protect from freezing. Keep away from food, drink and animal feeding stuffs.

Section 8 - Exposure Controls / PPE

Control parameters

Components with workplace control parameters

Contains no substances with occupational exposure limit values.

Appropriate engineering controls

Handle in accordance with good industrial hygiene and safety practice. Wash hands before breaks and at the end of workday.

Personal protective equipment

Eye/face protection

Not normally required. To avoid contact with eyes, wear chemical goggles or shielded safety glasses.

Skin and body protection

Long-sleeved shirt and long pants, shoes plus socks.

Hand Protection

Chemical resistant gloves made of Barrier Laminate, Butyl Rubber ≥ 14 mils, Nitrile Rubber ≥ 14 mils, Neoprene Rubber ≥ 14 mils, Polyvinyl Chloride (PVC) ≥ 14 mils or Viton ≥ 14 mils.

Section 9 - Physical/Chemical Properties

Odor:	non-characteristic
Appearance:	off white suspension 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



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Auto-ignition temperature:	No data available
Decomposition temperature:	No data available
Density:	1.17 g/mL(20°C)
pH:	6.7 (1% (w/v) aqueous solution) (20°C)
Viscosity:	308.70 cP (mPa s), at 20 ± 0.2 °C 242.70 cP (mPa s), at 40 ± 0.2 °C
Solubility:	No data available
Partition coefficient::	No data available
Vapor Pressure:	No data available
Flash Point:	No data available
Explodability:	Non-explosive
Combustibility:	Non-combustible
Corrosivity:	Non-corrosive
Particle characteristics:	No data available

Section 10 - Stability and Reactivity

Reactivity:

None under normal use conditions.

Stability:

Stable under normal handling and storage conditions.

Possibility of hazardous reactions:

None under normal processing.

Conditions to avoid:

Extremes of temperature and direct sunlight.

Hazardous decomposition products:

The substance decomposes on heating and on burning producing toxic and corrosive fumes including carbon monoxide, sulphur oxides and nitrogen oxides.

Incompatible materials:

Oxidizing agents

Section 11 - Toxicological Information

Acute toxicity:

Oral: LD₅₀ = 5000 mg/kg (rat)

Dermal: LD₅₀ >2000 mg/kg (rat)

Inhalation: LC₅₀ (4h) >5.875 mg/l air (rat)

Irritant properties:

Eye: Not classified as an eye irritant (rabbit).

Skin: Not classified as an eye irritant (rabbit).

No skin sensitization (mice) per acute toxicity study.



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Carcinogenicity:

Not available

Teratogenic effects:

Not available.

Reproductive effects:

Not available.

Section 12 - Ecological Information

No data available for the formulation. Data presented below are based on the active ingredient.

Fish

Rainbow trout (96 h LC₅₀) >19 mg/L

Fathead minnow (NOAEC) >32 mg/L

Thidiazuron degradate: Rainbow trout: (96 h LC₅₀) 6.7 mg/L

Daphnia

Acute (48 h EC₅₀): 5.7 mg/L

Chronic (NOAEC): <0.1 mg/L

Aquatic Plants

Acute Marine diatom (48 h EC₅₀): 0.86 mg/L

Chronic Marine diatom (NOAEC): 0.11 mg/L

Acute Duckweed (48 h EC₅₀): >24 mg/L

Chronic Duckweed (NOAEC): 8.6 mg/L

Birds

Acute oral Bobwhite quail (LD₅₀): >3,160 mg/kg

Subacute Dietary Bobwhite quail (LC₅₀): >5,215 mg/kg

Chronic Mallard Duck (NOAEC): 298 mg/kg

Bees

Acute Contact (LD₅₀): >100 µg/bee

Section 13 - Disposal Considerations**Disposal method:**

Wastes resulting from the use of this product must be disposed of on site or at an approved waste disposal facility.

Empty container:

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

Section 14 - Transport Information**DOT**

Not regulated



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IMDG

UN No.: 3082

Packaging Group: III

Hazard Class: 9

Marine Pollutant: No

Description: UN3082, Environmentally hazardous substance, liquid, N.O.S. (contains thidiazuron), 9, PG III

ADR

UN No.: 3082

Packaging Group: III

Hazard Class: 9

Marine Pollutant: No

Description: UN3082, Environmentally hazardous substance, liquid, N.O.S. (contains thidiazuron), 9, PG III

IATA

UN No.: 3082

Packaging Group: III

Hazard Class: 9

Marine Pollutant: No

Description: UN3082, Environmentally hazardous substance, liquid, N.O.S. (contains thidiazuron), 9, PG III

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 skin. Avoid contact with skin, eyes, and clothing. Wash thoroughly with soap and water after handling and before eating, drinking, chewing gum, using tobacco, or using the toilet.

ENVIRONMENTAL HAZARDS

Do not apply directly to water, or to areas where surface water is present, or to intertidal areas below the mean high water mark. Do not contaminate water when



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disposing of equipment washwater. Do not apply when weather conditions favor drift from treated areas.

PHYSICAL OR CHEMICAL HAZARDS

Do not mix or allow coming into contact with oxidizing agents. Hazardous chemical reaction may occur.

SARA TITLE III – SECTION 302 EXTREMELY HAZARDOUS SUBSTANCES

Not listed

SARA TITLE III – SECTION 311/312 HAZARDOUS CATEGORIES

Immediate (acute)

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 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: 08/6/2019

Revision #1 Date: May 24, 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



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company has been advised of the possibility of such damages.