

Safety Data Sheet (SDS)

OSHA HazCom Standard 29 CFR 1910.1200(g) and GHS Rev 03.

Issue date: November 5, 2015

Document# 084.041

Trade name: Ultrashield® Flea & Tick Collar

EPA Reg#: 1543-3

* 1 Identification

• Product identifier

- **Trade name:** Ultrashield® Flea & Tick Collar EPA Reg#: 1543-3
- **Relevant identified uses of the substance or mixture and uses advised against:** Fleas & Ticks
- **Product description** Solid plastic matrix device, collar with buckle in white.

• Company Name:

W. F. Young, Inc.
302 Benton Drive
East Longmeadow, MA
01028
(413) 526-9999
www.wfyoung.com

- **Emergency telephone number:** (413-526-9999)

* 2 Hazard(s) identification

• Classification of the substance or mixture:



GHS08 Health hazard

Carc. 2

H351 Suspected of causing cancer.



GHS09 Environment

Aquatic Acute 1 H400 Very toxic to aquatic life.

Aquatic Chronic 1 H410 Very toxic to aquatic life with long lasting effects.



GHS07

Acute Tox. 4 H302 Harmful if swallowed.

STOT SE 3 H335 May cause respiratory irritation.

• Label elements:

• GHS label elements

The product is classified and labeled according to the Globally Harmonized System (GHS).

• Hazard pictograms:



GHS07 GHS08 GHS09

• Signal word: Warning

• Hazard-determining components of labeling:

deltamethrin (ISO)

• Hazard statements:

Harmful if swallowed.

Suspected of causing cancer.

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May cause respiratory irritation.
Very toxic to aquatic life.
Very toxic to aquatic life with long lasting effects.

Precautionary statements:

Avoid breathing dust/fume/gas/mist/vapors/spray.
Use only outdoors or in a well-ventilated area.
Wear protective gloves.
Avoid release to the environment.
Wash thoroughly after handling.
Do not eat, drink or smoke when using this product.
Obtain special instructions before use.
Do not handle until all safety precautions have been read and understood.
IF SWALLOWED: Call a POISON CENTER/doctor if you feel unwell.
IF INHALED: Remove person to fresh air and keep comfortable for breathing.
IF exposed or concerned: Get medical advice/attention.
Rinse mouth.
Collect spillage.
Store locked up.
Store in a well-ventilated place. Keep container tightly closed.
Dispose of contents/container in accordance with local/regional/national/international regulations.

Unknown acute toxicity:

44.9 % of the mixture consists of component(s) of unknown toxicity.

Classification system:

NFPA ratings (scale 0 - 4)



HMS-ratings (scale 0 - 4)






Hazard(s) not otherwise classified (HNOC): None known

* 3 Composition/information on ingredients

Chemical characterization: Mixtures

Description: Mixture: consisting of the following components.

Dangerous Components:		
CAS: 52918-63-5	Deltamethrin (ISO)  Acute Tox. 3, H301; Acute Tox. 3, H331;  Aquatic  Acute 1, H400; Aquatic Chronic 1, H410	2 - 12%

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4 First-aid measures

- **Description of first aid measures:**
- **General information:**
Symptoms of poisoning may occur after several hours; therefore medical observation is advised for at least 48 hours after the accident.
- **After inhalation:**
Supply fresh air; consult doctor in case of complaints.
In case of unconsciousness place patient stably in side position for transportation.
- **After skin contact:**
Immediately wash with water and soap and rinse thoroughly.
If skin irritation occurs, consult a doctor.
- **After eye contact:** Rinse opened eye for several minutes under running water.
- **After swallowing:** Immediately call a doctor.
- **Information for doctor:** Treat symptomatically and supportively. No specific antidote.
- **Most important symptoms and effects, both acute and delayed:** No further relevant information available.
- **Indication of any immediate medical attention and special treatment needed:**
No further relevant information available.

5 Fire-fighting measures

- **Extinguishing media:**
- **Suitable extinguishing agents:** Use fire-fighting measures that suit the environment.
- **Special hazards arising from the substance or mixture:** No further relevant information available.
- **Advice for firefighters:**
- **Protective equipment:**
As in any fire, wear self-contained breathing apparatus pressure-demand (NIOSH approved or equivalent) and full protective gear to prevent contact with skin and eyes.

* 6 Accidental release measures

- **Personal precautions, protective equipment and emergency procedures:** Not required.
- **Environmental precautions:**
Inform respective authorities in case of seepage into water course or sewage system.
Do not allow to enter sewers/ surface or ground water.
- **Methods and material for containment and cleaning up:**
Dispose contaminated material as waste according to section 13.
Ensure adequate ventilation.
Dispose of the collected material according to regulations.
- **Reference to other sections:**
See Section 7 for information on safe handling.
See Section 8 for information on personal protection equipment.
See Section 13 for disposal information.

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7 Handling and storage

- Handling

- **Precautions for safe handling:** No special precautions are necessary if used correctly.
- **Information about protection against explosions and fires:** No special measures required.
- **Conditions for safe storage, including any incompatibilities:**
- **Storage Requirements to be met by storerooms and receptacles:** No special requirements
- **Information about storage in one common storage facility:** Not required.
- **Further information about storage conditions:** No further relevant information available
- **Specific end use(s):** No further relevant information available.

* 8 Exposure controls/personal protection

- **Additional information about design of technical systems:** No further data; see section 7.
- **Control parameters:**
- **Components with occupational exposure limits:**

52918 Deltamethrin (ISO)	
TWA	Short-term value: 10 mg/m ³ Long-term value: 0.03 mg/m ³

Additional information: The lists that were valid during the creation of this SDS were used as basis.

Exposure controls:

Personal protective equipment:

General protective and hygienic measures:

Keep away from foodstuffs, beverages and feed.

Immediately remove all soiled and contaminated clothing and wash before reuse.
Wash hands before breaks and at the end of work.

- **Breathing equipment:** Not required.
- **Protection of hands:**



Protective gloves

- **Material of gloves:** Not required.
- **Penetration time of glove material:** Not applicable.
- **Eyeprotection:** Not required.

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9 Physical and chemical properties

· Information on basic physical and chemical properties

· General Information

· Appearance:

Form:	Solid
Color:	White
Odor:	Faint Odor
Odor threshold:	Not determined.
pH-value:	Not applicable.

· Change in condition

Melting point/Melting range:	Not determined.
Boiling point/Boiling range:	214 °C (417°F)

· Flash point: 220 °C (428 °F)

· Flammability (solid, gaseous): Not determined.

· Ignition temperature: 340 °C (644 °F)

· Decomposition temperature: Not determined.

· Auto igniting: Product is not self-igniting.

· Danger of explosion: Product does not present an explosion hazard.

· Explosion limits:

Lower:	0.3 Vol %
Upper:	2.8 Vol %

· Vapor pressure: Not applicable.

· Density:

Relative density:	Not determined.
Vapor density:	Not applicable.
Evaporation rate:	Not applicable.

· Solubility in / Miscibility with: Water: Insoluble.

· Partition coefficient (n-octanol/water): Not determined.

· Viscosity:

Dynamic:	Not applicable.
Kinematic:	Not applicable.

· Solvent content:

Organic solvents: 39.9 %

VOC content: 39.9 %

Solids content: 77.0 %

· Other information: No further relevant information available.

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10 Stability and reactivity

- **Reactivity:** No further relevant information available.
- **Chemical stability:** Stable under normal conditions.
- **Thermal decomposition / conditions to be avoided:** No decomposition if used according to specifications.
- **Possibility of hazardous reactions:** No dangerous reactions known.
- **Conditions to avoid:** No further relevant information available.
- **Incompatible materials:** No further relevant information available.
- **Hazardous decomposition products:** No dangerous decomposition products known.

11 Toxicological information

• **Information on toxicological effects:**

• **Acute toxicity:**

• **LD/LC50 values that are relevant for classification:**

52918-635 deltamethrin (ISO)

Oral LD50 19-34 mg/kg (mouse)

67-139 mg/kg (rat)

Dermal LD50 >800 mg/kg (rat)

>2000 mg/kg (rabbit)

Inhalative • LC50/4 h 785 mg/l (rat)

• **Primary Irritant effect:**

• **On the skin:** May cause an allergic skin reaction.

• **On the eye:** No irritating effect.

• **Sensitization:** Sensitization possible through skin contact.

• **Additional toxicological information:**

The product shows the following dangers according to internally approved calculation methods for preparations:

Harmful

Irritant

• **Carcinogenic categories:**

• **IARC (International Agency for Research on Cancer):**

Group 1 - Carcinogenic to humans

Group 2A - Probably carcinogenic to humans

Group 2B - Possibly carcinogenic to humans

Group 3 - Not classifiable as to its carcinogenicity to humans

Group 4 - Probably not carcinogenic to humans

52918-63-5 deltamethrin (ISO) 3

NTP (National Toxicology Program):

None of the ingredients are listed.

OSHA-Ca (Occupational Safety & Health Administration):

None of the ingredients are listed.

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12 Ecological information

- **Toxicity:**
- **Aquatic toxicity:**
Avoid release into the environment. Runoff from fire control or dilution water may cause pollution.
52918-63-5 deltamethrin (ISO)
EC50:1000 mg/l (daphnia)

- **Persistence and degradability: No further relevant information available.**
- **Behavior in environmental systems:**
- **Bioaccumulative potential:** No further relevant information available.
- **Mobility in soil:** No further relevant information available.
- **Ecotoxicological effects:**
- **Remark:** Very toxic for fish
- **Additional ecological information:**
- **General notes:**
Water hazard class 3 (Self-assessment): extremely hazardous for water
Do not allow product to reach ground water, water course or sewage system, even in small quantities.
Danger to drinking water if even extremely small quantities leak into the ground.
Poisonous for fish and plankton in water bodies.
Very toxic for aquatic organisms
- **Results of PBT and vPvB assessment:**
- **PBT:** Not applicable.
- **vPvB:** Not applicable.
- **Other adverse effects:** No further relevant information available.

13 Disposal considerations

- **Waste treatment methods:**
- **Recommendation:**
Must not be disposed of together with household garbage. Do not allow product to reach sewage system.

- **Uncleaned packagings:**
- **Recommendation:** Disposal must be made according to official regulations.

14 Transport information

- **UN-Number:**
- **DOT** Non-Regulated Material
- **ADR, IMDG, IATA** UN3077
- **UN proper shipping name:**
- **DOT** Non-Regulated Material
- **ADR** UN3077 Environmentally hazardous substances, solid, n.o.s. (deltamethrin (ISO))

- **IMDG** ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S. (deltamethrin (ISO)), MARINE POLLUTANT ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S. (deltamethrin (ISO))

- **IATA**

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· Transport hazard class(es):

- DOT Non-Regulated Material
- Class:
- ADR



- Class: 9 (M7) Miscellaneous dangerous substances and articles
- Label: 9
- IMDG, IATA



- Class: 9 Miscellaneous dangerous substances and articles
- Label: 9
- Packing group: Non-Regulated Material
- DOT III
- ADR, IMDG, IATA Product contains environmentally hazardous substances: deltamethrin (ISO)
- Environmental hazards:

- Special marking (ADR): Symbol (fish and tree)
- Special marking (IATA): Symbol (fish and tree)
- Special precautions for user: Warning: Miscellaneous dangerous substances and articles
- Danger code (Kemler): 90
- EMS Number: F-A,S-F
- Transport in bulk according to Annex II of MARPOL73/78 and the /BC Code: Not applicable.

· Transport/Additional information:

- ADR
- Excepted quantities (EQ): Code: E1
Maximum net quantity per inner packaging: 30 g
Maximum net quantity per outer packaging: 1000 g

· IMDG

- Limited quantities (LQ): 5 kg
- Excepted quantities (EQ): Code: E1
Maximum net quantity per inner packaging: 30 g
Maximum net quantity per outer packaging: 1000 g

- UN "Model Regulation": UN 3077 ENVIRONMENTALLY HAZARDOUS SUBSTANCES, SOLID, N.O.S. (DELTAMETHRIN (ISO)), 9, III, (E)

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15 Regulatory information

· **Safety, health and environmental regulations/legislation specific for the substance or mixture:**

· **SARA (Superfund Amendments and Reauthorization):**

· **Section 355 {extremely hazardous substances}**

· None of the ingredients are listed

· **Section 313 (Specific toxic chemical listings):**

·

· **TSCA (Toxic Substances Control Act):**

·

· **California Proposition 65:**

· **Chemicals known to cause cancer:**

· **Chemicals known to cause reproductive toxicity for females:**

· None of the ingredients are listed.

· **Chemicals known to cause reproductive toxicity for males:**

· None of the ingredients are listed.

· **Chemicals known to cause developmental toxicity:**

· None of the ingredients are listed.

· **Carcinogenic categories:**

· **EPA (Environmental Protection Agency):**

TLV (Threshold Limit Value established by the ACGIH).

· **NIOSH-Ca (National Institute for Occupational Safety and Health):**

· **GHS label elements**

The product is classified and labeled according to the Globally Harmonized System (GHS).

· **Hazard pictograms:**



GHS07 GHS08 GHS09

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· **Signal word:** Warning

· **Hazard-determining components of labeling:**

deltamethrin (ISO)

· **Hazard statements:**

Harmful if swallowed.
Suspected of causing cancer.
May cause respiratory irritation.
Very toxic to aquatic life.
Very toxic to aquatic life with long lasting effects.

· **Precautionary statements:**

Avoid breathing dust/fume/gas/mist/vapors/spray.
Use only outdoors or in a well-ventilated area.
Wear protective gloves.
Avoid release to the environment.
Wash thoroughly after handling.
Do not eat, drink or smoke when using this product.
Obtain special instructions before use.
Do not handle until all safety precautions have been read and understood.
IF SWALLOWED: Call a POISON CENTER/doctor if you feel unwell.
IF INHALED: Remove person to fresh air and keep comfortable for breathing.
IF exposed or concerned: Get medical advice/attention.
Rinse mouth.
Collect spillage.
Store locked up.
Store in a well-ventilated place. Keep container tightly closed.
Dispose of contents/container in accordance with local/regional/national/international regulations.

· **National regulations:**

· The product is subject to be classified according with the latest version of the regulations on hazardous substances.

· **State Right to Know:**

CAS: 52918-63-5	Deltamethrin (ISO) ◆ Acute Tox. 3, H301; Acute Tox. 3, H331; ◆ Aquatic ◆ Acute 1, H400; Aquatic Chronic 1, H410	2 - 12%
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Chemical Safety Assessment: A Chemical Safety Assessment has not been carried out.

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16 Other information

The information and recommendations in this safety data sheet are, to the best of our knowledge, accurate as of the date of issue. Nothing herein shall be deemed to create warranty, expressed or implied, and shall not establish a legally valid contractual relationship. It is the responsibility of the user to determine applicability of this information and the suitability of the material or product for any particular purpose.

• **Date of preparation: 11/5/2015**

• **Abbreviations and acronyms:**

ADR: The European Agreement concerning the International Carriage of Dangerous Goods by Road
ADN: The European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways
IMDG: International Maritime Code for Dangerous Goods
DOT: US Department of Transportation
IATA: International Air Transport Association
ACGIH: American Conference of Governmental Industrial Hygienists
EINECS: European Inventory of Existing Commercial Chemical Substances
ELINCS: European List of Notified Chemical Substances
CAS: Chemical Abstracts Service (division of the American Chemical Society)
NFPA: National Fire Protection Association (USA)
HMIS: Hazardous Materials Identification System (USA)
VOC: Volatile Organic Compounds (USA, EU)
LC50: Lethal concentration, 50 percent
LD50: Lethal dose, 50 percent
PBT: Persistent, Bioaccumulative and Toxic
vPvB: very Persistent and very Bioaccumulative
Acute Tox. 3: Acute toxicity, Hazard Category 3
Acute Tox. 4: Acute toxicity, Hazard Category 4
Skin Irrit. 2: Skin corrosion/irritation, Hazard Category 2
Eye Irrit. 2A: Serious eye damage/eye irritation, Hazard Category 2A
Car. 2: Carcinogenicity, Hazard Category 2
STOT SE 3: Specific target organ toxicity - Single exposure, Hazard Category 3
Aquatic Acute 1: Hazardous to the aquatic environment - Acute Hazard, Category 1
Aquatic Chronic 1: Hazardous to the aquatic environment - Chronic Hazard, Category 1