Safety Data Sheet

Conforms to UN Globally Harmonized System and OSHA Hazard Communication Standard 29 CFR 1910.1200(g)

Reviton Ultra

SECTION 1. IDENTIFICATION

Product Name:	Reviton Ultra
Chemical Name:	Tiafenacil: Methyl N-(2-((2-chloro-5-(3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl)-4-fluorophenyl)thio)-1-oxopropyl)-β-alaninateate Glufosinate-ammonium: Ammonium 2-amino-4(hydroxymethylphosphinyl)butanoate
Recommended Uses:	Agricultural industry: Herbicide
Company Identification:	HELM Agro US, Inc. 401 E. Jackson St. Suite 1600, Tampa, FL 33602 (813)-621-8846 info@helmagro.com
24 Hour Emergency Number:	For Transportation emergency, spills, leak, fire or accident call CHEMTREC: US and Canada: 1-800-424-9300 For Medical emergency call: 1-800-222-1222.

SECTION 2. HAZARDS IDENTIFICATION

Hazard Classification: Reproductive Toxicity, Category 1B
Serious eye damage, Category 1
Acute Toxicity - Inhalation, Category 4
Specific Target Organ Toxicity Repeated Exposure, Category 2

Signal Word: **DANGER**

Hazard Symbols:



Hazard Statements:
May damage fertility or the unborn child. Causes serious eye damage. Harmful if inhaled. May cause damage to the nervous system through prolonged or repeated exposure.

Precautionary Statements:
Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Wear eye protection/face protection. Wash mouth, eyes thoroughly after handling. Do not breath fumes/mist. Do not eat, drink or smoke when using this product. Avoid breathing fume/mist. Use only outdoors or in a well-ventilated area. Wear protective clothing and gloves.

Response:
IF SWALLOWED: Call a POISON CENTER or doctor if you feel unwell. Rinse mouth.
IF ON SKIN: Wash with plenty of soap and water. Call a POISON CENTER or doctor if you feel unwell. Take off contaminated clothing and wash it before reuse.
IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do so. Continue rinsing. Immediately call a POISON CENTER.
IF INHALED: Remove person to fresh air and keep comfortable and breathing. Call Poison Center if you feel unwell.
IF exposed or concerned: Get medical attention.

SECTION 2. HAZARDS IDENTIFICATION *cont.*

Storage:
Refer to Section 7: Handling and Storage

Disposal:
Dispose of contents/container in accordance with governmental and local regulations.

SECTION 3. COMPOSITION / INFORMATION ON INGREDIENTS

Chemical Name:	CAS #:	% by Weight:	TLV/PEL:
Active Ingredient: Glufosinate-ammonium	77182-82-2	22	Not established
Active Ingredient: Tiafenacil	1220411-29-9	0.88	Not established
Sodium Alkyl Ether Sulfate	68585-34-2	10 - 15	Not established
Alcohols C12-14 Ethoxylated, Propoxylated	68439-51-0	5 - 10	Not established
D-Glucopyranose, oligomeric, decyl octyl glycosides	68515-73-1	5 - 10	Not established
Other ingredients		Remainder	Not established

SECTION 4. FIRST-AID MEASURES

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.
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 a poison control center or doctor. Do not give anything to an unconscious person.
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.
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 center or doctor for treatment advice.

SECTION 5. FIRE-FIGHTING MEASURES

Extinguishing Media:	Polyvalent foam, ABC powder, Carbon dioxide
Unusual Fire and Explosion Hazards:	No data available.
Fire Fighting Instructions:	No special advice.

SECTION 6. ACCIDENTAL RELEASE MEASURES

Precautionary Measures:	Use protective measures and equipment listed in section 8
Containment and Clean-Up:	Prevent soil and water pollution. Prevent spreading in sewers. Contain released substance, pump into suitable containers. Plug the leak, cut off the supply. Carefully collect the spill/leftovers. Wash clothing and equipment after handling.

SECTION 7. HANDLING AND STORAGE

Precautions:	Observe normal hygiene standards. Avoid generating mist. Do not discharge waste into drains. Clean contaminated clothing before wearing again.
Storage:	Store in a dark, dry area. Keep container tightly closed. Keep only in the original container. Meet all legal requirements.

SECTION 8. EXPOSURE CONTROLS / PERSONAL PROTECTION	
Engineering Controls:	Keep indoor work areas isolated and provided with adequate local exhaust ventilation in accordance with good industrial hygiene practices.
Personal Protection:	
Eye Contact:	Safety glasses or face shield. Wear protective goggles if mist is generated.
Skin Contact:	Gloves (rubber, plastic, PVC), laboratory coat or apron, boots, long-sleeved shirt and long pants.
Inhalation:	Dust/mist mask with filter is recommended if mist is generated during use.

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES	
Physical Appearance:	Light tan liquid
Odor:	Slight paint odor
pH:	4.68
Boiling Point:	Not available
Melting Point:	Not available
Freezing Point:	Not available
Evaporation Rate:	Not available
Flash Point:	Avg. 155.0ºC
Flammable Limits:	Not established
Vapor Pressure:	Not available
Vapor Density:	Not available
Density:	1.126 g/mL
Solubility:	Not available
N-Octanol/Water:	Not available
Auto-Ignition Temperature:	Not available
Decomposition Temperature:	Not available
Volatility:	Not available

SECTION 10. STABILITY AND REACTIVITY	
Reactivity:	Material is stable at ambient temperature and under normal conditions.
Stability:	No data available.
Possibility of Hazardous Reactions:	No data available.
Conditions to Avoid:	No data available.
Incompatible Materials:	No data available.
Hazardous Decomposition Products:	No data available.

SECTION 11. TOXICOLOGICAL INFORMATION

Acute Toxicity:	Acute oral toxicity (LD_{50}): 3129 mg/kg Acute dermal toxicity (LD_{50}): > 5000 mg/kg Acute inhalation toxicity (LC_{50}): > 2.15 mg/L (Cat. 4)
Skin Irritation:	Slightly irritating
Eye Irritation:	Serious Eye Damage (Cat. 1)
Sensitization:	Not a dermal sensitizer
Mutagenicity:	No data available.
Carcinogenicity:	No data available.
Reproductive Toxicity:	Reproductive Toxicity, Category 1B
Target Organ Effects:	Specific Target Organ Toxicity Repeated Exposure, Category 2
Aspiration:	No data available

SECTION 12. ECOLOGICAL INFORMATION

Ecotoxicity Summary:

Toxic to vascular plants. Do not apply when weather conditions favor drift from treated areas. Do not contaminate water when cleaning equipment or disposing of equipment wash waters or rinsate.

Persistence / Degradability:	Glufosinate is moderately persistent with a soil half-life of 30 – 180 days depending on soil type and weather conditions.
Bioaccumulative Potential:	No information available.
Mobility in Soil:	Mobile in certain soil types.

SECTION 13. DISPOSAL CONSIDERATIONS

Waste Disposal:	Pesticide wastes may be hazardous. Improper disposal of excess pesticide, spray mixture or rinsate is a violation of Federal law. Dispose of in accordance with relevant local regulations. Incinerate at a licensed installation. Do not discharge into surface water.
Container Disposal:	Dispose of at an approved site or incinerate at a licensed installation.

SECTION 14. TRANSPORT INFORMATION

Proper Shipping Name:	None
Hazard Class:	None
Identification Number:	-
Packing Group:	-
Hazardous Substances Reportable Quantity:	Not applicable.
Special Provisions for Transport:	Not applicable.

SECTION 15. REGULATORY INFORMATION

U.S. Federal and State Regulations:

SARA 313 Inventory Ingredients:	Not Listed
SARA 312 Hazards Classification:	Acute Health
Listed as carcinogen by:	
IARC:	Not Listed
NTP:	Not Listed
OSHA:	Not Listed

SECTION 15. REGULATORY INFORMATION *cont.*

CA Prop 65:	Not Listed
TSCA:	Exempt from TSCA, subject to FIFRA.
Canada (WHMIS):	Not classified

SECTION 16. OTHER INFORMATION

Notice to Reader

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