


NFPA HAZARD RATING				U.S. TRANSPORT SUMMARY	
0	Least				
1	Slight	2	Health		Not regulated by the U.S. DOT as a hazardous material for ground shipment. Rail regulations apply. See Section 14 for additional information.
2	Moderate	1	Flammability		
3	High	0	Reactivity		
4	Severe				

SECTION 1: IDENTIFICATION	
<b>Product Name:</b>	Charger Max® ATZ
<b>EPA Registration #:</b>	1381-199
<b>Common Name:</b>	Atrazine S-metolachlor
<b>Chemical Description:</b>	2-chloro-4-ethylamino-6-isopropylamino-s-triazine (s)-2-chloro-n-(2-ethyl-6-methylphenyl)-n-(2-methoxy-1-methylethyl) acetamide
<b>Recommended Uses:</b>	Herbicide
<b>Restrictions for Use:</b>	See product label for restrictions.
<b>Manufactured For:</b> WINFIELD SOLUTIONS, LLC P. O. Box 64589 St. Paul, MN 55164-0589	<b>MEDICAL EMERGENCY TELEPHONE NUMBER: 1-877-424-7452 (24hrs)</b>  <b>Non-Emergency Business Inquiries: 1-855-494-6343</b> Mon – Fri 8am – 5pm (Central Standard Time)
<b>FOR CHEMICAL EMERGENCY: SPILL, LEAK, FIRE, EXPOSURE, OR ACCIDENT, CALL: CHEMTREC 1-800-424-9300 (24 hours)</b>	

SECTION 2: HAZARDS IDENTIFICATION	
<b>POTENTIAL HEALTH EFFECTS:</b>	
<b>Eyes:</b> Where eye contact is likely, use chemical splash goggles.	
<b>Skin:</b> Where contact is likely, wear chemical-resistant gloves (such as barrier laminate, butyl rubber, nitrile rubber, neoprene rubber, natural rubber, polyethylene, polyvinyl chloride [PVC] or Viton), coveralls, socks and chemical-resistant footwear.	
<b>Inhalation:</b> A respirator is not normally required when handling this substance. Use effective engineering controls to comply with occupational exposure limits.	
<b>Ingestion:</b> Prevent eating, drinking, tobacco usage and cosmetic application in areas where there is a potential for exposure to the material. Wash thoroughly with soap and water after handling.	
<b>Preexisting Conditions:</b> NA	
<b>Chronic Health Effects:</b> NA	
<b>Carcinogenicity</b>	NTP: Not listed                      IARC: Not listed                      OSHA: Not listed
<b>OSHA HCS 2012 CLASSIFICATION:</b> Specific Target Organ Toxicity: Repeated Category 2	
<b>SIGNAL WORD:</b> WARNING	
<b>HAZARD STATEMENTS:</b> May cause damage to organs.	
	

**PRECAUTIONARY STATEMENTS:**

**Prevention:** Do not breathe mist, vapors, spray.

**Response:** IF INHALED: Remove person to fresh air and keep comfortable for breathing. Call a POISON CENTER/doctor/physician if you feel unwell.

**Storage:** Store the material in a well-ventilated, secure area out of reach of children and domestic animals. Do not store food, beverages or tobacco products in the storage area. Prevent eating, drinking, tobacco use, and cosmetic application in areas where there is a potential for exposure to the material. Wash thoroughly with soap and water after handling.

**Disposal:** Do not reuse product containers. Dispose of product containers, waste containers, and residues according to local, state, and federal health and environmental regulations. See pesticide label for further information on pesticide disposal.

**SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS**

Ingredient	% (wt)	CAS Reg. #
Atrazine	33.0	1912-24-9
S-Metolachlor	26.1	87392-12-9
Ethylene Glycol	<10	107-21-1
Benoxacor	<5	98730-04-2

\*Ingredients not specifically listed are non-hazardous and are considered to be confidential business information under 29 CFR 1910.1200(i).  
See Section 8 for exposure limits.

**SECTION 4: FIRST AID MEASURES**

**Inhalation:** Move to fresh air. If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably mouth-to-mouth if possible. Call a physician or poison control center for further treatment advice.

**Ingestion:** Call a physician or poison control center immediately for treatment advice. Do not give any liquid to the person. Do not induce vomiting unless told to do so by a physician or poison control center. Do not give anything by mouth to an unconscious person.

**Eyes:** 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 physician or poison control center for further treatment advice.

**Skin:** Take off contaminated clothing and shoes immediately. Rinse skin immediately with plenty of water for 15-20 minutes. Call a physician or poison control center for further treatment advice.

**SECTION 5: FIRE FIGHTING MEASURES**

**Suitable Extinguishing Media:** Use dry chemical, foam or CO2 extinguishing media. If water is used to fight fire, dike and collect runoff.

**Special Fire Fighting Procedures:** Wear NIOSH/MSHA approved self-contained breathing apparatus and full bunker gear. Dike area to prevent runoff and contamination of water sources. Dispose of fire control water later. Avoid breathing vapors; keep upwind.

**Unusual Fire and Explosion Hazards:** During a fire, irritating and possibly toxic gases may be generated by thermal decomposition or combustion.

**SECTION 6: ACCIDENTAL RELEASE MEASURES**

**Personal Precautions:** Refer to Section 8 for personal protective equipment to be worn during containment and clean-up of a spill involving this product.

**Environmental Precautions:** No data available.

**Methods for Clean-up and Containment:** Cover entire spill with absorbing material and place into compatible disposal container. Scrub area with hard water detergent (e.g. commercial products such as Tide, Joy, Spic and Span). Pick up wash liquid with additional absorbent and place into compatible disposal container. Once all material is cleaned up and placed in a disposal container, seal container and arrange for disposition.

**Other Information:** NA

**SECTION 7: HANDLING AND STORAGE**

**Handling:** Prevent eating, drinking, tobacco use, and cosmetic application in areas where there is a potential for exposure to the material. Wash thoroughly with soap and water after handling.

**Storage:** Store in a cool, dry place and in such a manner as to prevent cross contamination with other crop protection products, fertilizers, food, and feed. Store in original container and out of the reach of children, preferably in a locked storage area. Keep away from direct sunlight.

**Minimum Storage Temperature:** Not Determined

**Other Precautions:** Consult Federal, state and local laws and regulations pertaining to storage.

**SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION****Exposure Guidelines**

Component:	OSHA PEL Not Established	ACGIH TLV	NIOSH REL (OTHER)
Atrazine	Not Established	2 mg/m <sup>3</sup> TWA (inhalable)	Not Applicable
S-Metolachlor	Not Established	Not Established	5 mg/m <sup>3</sup> TWA
Ethylene Glycol	Not Established	100 mg/m <sup>3</sup> (ceiling) [aerosol]	Not Established
Benoxacor	Not Established	Not Established	1 mg/m <sup>3</sup> TWA

**Respiratory Protection:** When respirators are required, select NIOSH approved equipment based on actual or potential airborne concentrations and in accordance with the appropriate regulatory standards and/or industry recommendations.

**Engineering Controls:** **Local Exhaust:** Provide general or local exhaust ventilation systems to maintain airborne concentrations below OSHA PELs or other specified exposure limits. Local exhaust ventilation is preferred.

**Protective Gloves:** Chemical-resistant gloves (such as barrier laminate, butyl rubber, nitrile rubber, neoprene rubber, natural rubber, polyethylene, polyvinyl chloride [PVC] or Viton.

**Eye Protection:** Chemical splash goggles.

**Other Protective Clothing or Equipment:** Coveralls, socks and chemical-resistant footwear.

**Work/Hygienic Practices:** Never eat, drink, nor use tobacco in work areas. Practice good hygiene after using this material, especially before eating, drinking, smoking, using the toilet, or applying cosmetics.

**SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES**

<b>Physical State:</b>	Liquid	<b>Specific Gravity (H<sub>2</sub>O=1):</b>	1.12 g/mL
<b>Vapor Pressure (mm Hg):</b>	Atrazine 2.9 x 10 <sup>(-7)</sup> mmHg @ 68°F (20°C) S-Metolachlor 2.8 x 10 <sup>(-5)</sup> mmHg @ 77°F (25°C)	<b>Density (lbs/gallon):</b>	9.35 lbs/gallon
<b>Vapor Density (Air=1):</b>	No Data Available	<b>Melting Point/Freezing Point:</b>	No Data Available
<b>Solubility in Water (wt %):</b>	Atrazine 33 mg/l @ 68°F (20°C) S-Metolachlor 0.48 g/l @ 77°F (25°C)	<b>Boiling Point/Range:</b>	212 °F
<b>Viscosity:</b>	No Data Available	<b>pH:</b>	7.3
<b>Appearance and odor:</b>	Off-white, Latex paint	<b>Flash Point:</b>	> 200°F

**SECTION 10: STABILITY AND REACTIVITY**

**Reactivity:** Not reactive.

**Chemical Stability:** Stable under normal use and storage conditions.

**Possibility of Hazardous Reactions:** Will not occur.

**Conditions to Avoid:** No dangerous reaction known under conditions of normal use.

**Incompatible Materials:** No dangerous reaction known under conditions of normal use.

**Hazardous Decomposition Products:** No dangerous reaction known under conditions of normal use.

**SECTION 11: TOXICOLOGICAL INFORMATION****ACUTE TOXICITY**

<b>Eye Effects:</b>	Mildly Irritating (Rabbit)
<b>Skin Effects:</b>	Dermal (LD50 Rabbit) : > 2020 mg/kg body weight Slightly Irritating (Rabbit)
<b>Skin Sensitization:</b>	Not a Sensitizer (Guinea Pig)
<b>Acute Inhalation Effects:</b>	Inhalation (LC50 Rat) : > 2.5 mg/l air - 4 hours
<b>Acute Oral Effects:</b>	Oral (LD50 Rat) : 3271 mg/kg body weight
<b>Specific Target Organ Toxicity:</b>	Atrazine: Heart S-Metolachlor: Liver Benoxacor: Gastrointestinal tract, liver, kidney Ethylene Glycol: Blood, kidney, CNS Other Ingredients: Not Established

**CHRONIC TOXICITY**

<b>Chronic Effects:</b>	Atrazine: Cardiotoxicity in long term study with high doses (dogs). S-Metolachlor: No adverse effect has been observed in chronic toxicity tests. Benoxacor: Results in stomach, liver, and kidney toxicity at high doses. Caused tumors in nonglandular portion of stomach of rodents (histomorphologic region not found in humans). Exposure may cause slight eye irritation. Repeated skin contact may cause a sensitization (allergic) reaction in sensitive individuals. Ethylene Glycol: Ethylene glycol has been shown to produce dose-related teratogenic effects in rats and mice. Exposure to high concentrations of mists or aerosols may result in effects on the hematopoietic system and central nervous system with headache, dizziness and drowsiness. Severe kidney damage results from swallowing large amounts of ethylene glycol. Other Ingredients: Not Established
<b>Carcinogenicity:</b>	Atrazine: Mammary tumors (female Sprague-Dawley rats), sex and strain specific. None observed (male Sprague-Dawley rats, F-344 rats or mice). S-Metolachlor: Did not show carcinogenic effects in animal experiments.
<b>Mutagenicity:</b>	Not determined.
<b>Teratogenicity:</b>	Not determined.
<b>Reproductive Toxicity:</b>	Atrazine: None observed. S-Metolachlor: Did not show reproductive effects in animal experiments.

**SECTION 12: ECOLOGICAL INFORMATION****ENVIRONMENTAL SUMMARY:****ECOTOXICITY DATA:**

<b>Fish Acute and Prolonged Toxicity:</b>	Atrazine : Fish (Rainbow Trout) 96-hour LC50 4.5 ppm S-Metolachlor: Fish (Rainbow Trout) 96-hour LC50 1.23 mg/l
<b>Aquatic Invertebrate Acute Toxicity:</b>	Atrazine : Invertebrate (Water Flea) Daphnia Magna 48-hour EC50 6.9 ppm S-Metolachlor: Invertebrate (Water Flea) 48-hour EC50 11.24 mg/l
<b>Aquatic Plant Toxicity:</b>	Atrazine : Green Algae 5-day EC50 49 ppb S-Metolachlor: Green Algae 96-hour ErC50 0.077 mg/l
<b>Bird Acute and Prolonged Toxicity:</b>	Atrazine : Bird (Bobwhite Quail) 12-day LD50 940 mg/kg S-Metolachlor: Not Determined.
<b>Honeybee Toxicity:</b>	Not Determined.
<b>ENVIRONMENTAL EFFECTS:</b>	
<b>Soil Absorption/Mobility:</b>	Atrazine : Will leach. Highly mobile in soil. S-Metolachlor: Not Determined.
<b>Persistence and degradability:</b>	Atrazine : Not persistent in soil. Stable in water. Sinks in water (after 24 h). S-Metolachlor: Not persistent in soil. Stable in water. Sinks in water (after 24 h).
<b>Bioaccumulative Potential:</b>	Atrazine : Low bioaccumulation potential.

<b>Other adverse effects:</b>	S-Metolachlor: Low bioaccumulation potential. No other effects to be mentioned.
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<b>SECTION 13: DISPOSAL CONSIDERATIONS</b>	
<b>Waste:</b>	Do not contaminate water, food, or feed by disposal. Dispose of in accordance with applicable Federal, state and local laws and regulations.
<b>Container:</b>	Triple rinse and recycle the container or dispose of in accordance with Federal, state and local laws and regulations. See pesticide product label for full instructions on disposal.
<b>RCRA Characteristics:</b>	It is the responsibility of the individual disposing of this product to determine the RCRA classification and hazard status of the waste.

<b>SECTION 14: TRANSPORT INFORMATION</b>	
<b>DOT: (Ground)</b>	Not Regulated.
<b>DOT: (Rail)</b>	NA 3082, RQ Other Regulated Substances, Liquid, N.O.S. (Ethylene Glycol), 9, PG III, RQ Ethylene Glycol = 5000 lbs
<b>IMDG: (Sea)</b>	UN 3082, Environmentally Hazardous Substance, Liquid, N.O.S. (S-Metolachlor/Atrazine), Marine Pollutant, 9, PG III
<b>IATA: (Air)</b>	UN 3082, Environmentally Hazardous Substance, Liquid, N.O.S. (S-Metolachlor/Atrazine), 9, PG III
<b>TDG: (Canada)</b>	Not Determined.

<b>Section 15—Regulatory Information</b>	
<b>TSCA Inventory:</b> None Listed.	
<b>SARA Title III Information:</b>	
<b>Section 302 - Extremely hazardous substances:</b> None Listed.	
<b>Section 311/312 – Hazard Categories:</b> Acute Health Hazard	
<b>Section 313 –</b> The following chemicals are subject to the reporting requirements of Section 313 of Title III, Superfund Amendments and Reauthorization Act of 1986 and 40 CFR 372:	
Atrazine 33.0% (CAS No. 1912-24-9)	
Ethylene Glycol <10% (CAS No. 107-21-1)	
<b>CERCLA -</b> This product contains the following chemicals which have a reportable quantity (RQ) under the Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA): Report product spills > 15,900 gal. (based on ethylene glycol [RQ = 5,000 lbs.] content in the formulation)	
<b>U.S. State Worker and Community Right-To-Know (RTK) Information (CT, IL, MA, MN, NH, NJ, PA, RI):</b>	
<b>Chemical Name</b>	<b>CAS #</b> <b>State(s)</b>
Atrazine	1912-24-9                      MA, NJ, PA
Ethylene glycol	107-21-1                        MA, NJ, PA
<b>Canadian Domestic Substances List:</b>	
<b>Chemical Name</b>	<b>CAS #</b>
Not determined	
<b>WHMIS Classification:</b> Not determined	

<b>Section 16—Other</b>	
<b>Disclaimer:</b> The information presented herein is based on available data from reliable sources and is correct to the best of WinField Solutions' knowledge. WinField Solutions, LLC makes no warranty, express nor implied, regarding the accuracy of the data or the results obtained from the use of this product. Nothing herein may be construed as recommending any practice or any product in violation of any law or regulations. The user is solely responsible for determining the suitability of any material or	

## *Charger Max® ATZ*

product for a specific purpose and for adopting any appropriate safety precautions. We disclaim all liability for injury or damage stemming from any improper use of the material or product described herein.

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**Supersedes document dated:** April 19, 2016

**Sections Revised:** ALL