				5 Gran	erbicide ular
EMERGENCY TELEPHONI Chemtrec 1-800-424-9 General Infomation SSI Maxim 1-800-347-4	300		S MATERIAL SAFET	DS IY DATA SHEET	
		P.O. Box	1433 • Springfi 1-800-34	ENNESSEE LCC ield, Tennessee 37172 16-4781	
				t and Company Identification	
TRADE NAME:		Herbicide 0.5 GR/	ANULAR		
EPA REG. NO.	103184-8				
COMPANY INFORMATION:		OF TENNESSEE I 33 • Springfield,	LLC Tennessee 37172	2	
SYNONYMS:	Imazapyr CL 243,997 2-(4-isopropyl-4-methyl-5-oxo-2-imadazolin-2-yl) nicotinic acid 2-[4,5-dihydro-4-methyl-4-(1-methylethyl)-5-oxo-1H-imidazol-2-yl]-3-pyridinecarboxylic acid				
CHEMICAL FAMILY:	imidazolinon	ie			
MOLECULAR FORMULA:	C ₁₃ H ₁₅ N ₃ O ₃	3			
MOLECULAR WEIGHT:	261.3				
USAGE:	Herbicide				
			-	nformation on Ingredients	
Component		Cas. No.	%	PEL/TLV	Reference
Imazapyr		81334-34-1	0.50	None Established	None
Inerts		SF	99.50 CTION 3 - Hazai	rds Identification	
EMERGENCY OVERVIEW:		CAUTION		roid contact with eyes, skin, or clot	thing. Avoid breathing dust.
SYMPTOMS OF ACUTE EXPO	SURE:	Slight Irritation to eyes and skin.			
HAZARDOUS DECOMPOSITIO	N PRODUCTS:	Thermal decomposition may produce oxides of carbon and nitrogen.			
APPEARANCE AND ODOR:					
				st Aid Measures	
IF IN 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 poison control center or doctor for treatment advice. 			
IF ON SKIN OR CLOTHING:		 Rinse skin imn 	minated clothing. mediately with plei control center or c	enty of water for 15-20 minutes. doctor for treatment advice.	
IF SWALLOWED:		 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 by mouth to an unconscious person. 			
IF INHALED:		if possible.	ot breathing, call 9	911 or ambulance then give artifici doctor for further treatment advice	ial respiration, preferable mouth to mou
NOTES TO PHYSICIAN: There toms and the clinical condition					hould be directed at the control of sym

MANUFACTURED BY: SSI MAXIM OF TENNESSEE LLC P.O. Box 1433 • Springfield, Tennessee 37172 1-800-346-4781

ARSENAL[®] Herbicide 0.5 Granular

FLASH POINT: Not Applicable FLAMMABLE LIMITS (% BY VOL): Not Available DECOMPOSITION TEMP: Not Available DECOMPOSITION TEMP: Not Available FIRE EXTINGUISHING MEDIA: This material will not burn or burns with difficulty. Use an extinguishing agent sui FIRE CONTROL TACTICS: Wear self-contained, positive pressure breathing apparatus and full fire fighting protective clothing. Keep unnecessary people away. Use as little water as possible. Dike area of fire to prevent pesticide run-off. Use spray or for spreading. Do not decontaminate personnel or equipment, or handle borken packages or containers without protective equipment as sp Section. Decontaminate energency personnel with soap and water before leaving the fire area. Avoid breathing dusts, vapors and fumes from burning materials. Control "nun-off water – if water enters a drainage system, stream. SECTION 6 - Accidental Release Measures SPIL OR LEAK PROCEDURES: Wearing appropriate protective clothing and equipment (see "Exposure Control" section 8) shovel/sweep spilled material into disposal (see "Yadtion ontige section, or reuse if possible. Rinse spill area and tools several times with soapy water. Conta absorbents (e.g. granular clay or sawdust), and place into the same disposal container as spilled material. Depending on the quantity released to the environment, notifications to equipatory authorities may be required (see "Addition in. If spill is to a water body, immediately notify applicable authorities downstram, so that contingencies c		SECTION 5 -	Fire Fighting Measures	
NUTDIGNITION TEMP: Not Available DECOMPOSITION TEMP: Not Available PIRE EXTINGUISHING MEDIA: This material will not burn or burns with difficulty. Use an extinguishing agent sui PIRE CONTROL TACTICS: Wear self-contained, positive pressure breathing apparatus and full fire fighting protective clothing. Keep unnecessary people away. Use as little water as possible. Dike area of fire to prevent pesticide run-off. Use spray or for spreading. Do not decontaminate personnel or equipment, or handle broken packages or containers without protective equipment as sp Section. Decontaminate emergency personnel with soap and water before leaving the fire area. Avoid breathing dusts, vapors and fumes from burning materials. Control run-off water – if water enters a drainage system, stream. SECTION 6 - Accidental Release Measures SPILL OR FROCEDURES: Weard pappropriate protective clothing and equipment (see "Exposure Control" section 8) shovel/sweep spilled material into tisposal (see "Waste Disposal" section), or reuse if possible. Rinse spill area and tools several times with soap water. Contra absorbents (e.g. granular clay or sawdust), and place into the same disposal container as spilled material. Depending on the quantity released to the environment, notifications to regulatory authorities may be required (see "Addition tion). If spill is to a water food, or feed by SCPCION 7 - Handling and Storage Do not contaminate water, food, or feed presticides and fertilizer. Do not store below 10°C. Not for use or storage in or aroun sets before material out of reach of children.	ASH POINT:	Not Applicable		
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SECTION 6 - Accidental Release Measures SPILL OR LEAK PROCEDURES: Wearing appropriate protective clothing and equipment (see "Exposure Control" section 8) shovel/sweep spilled material into disposal (see "Waste Disposal" section), or reuse if possible. Rinse spill area and tools several times with soapy water. Contra absorbents (e.g. granular clay or sawdust), and place into the same disposal container as spilled material. Depending on the quantity released to the environment, notifications to regulatory authorities may be required (see "Addition tion). If spill is to a water body, immediately notify applicable authorities downstream, so that contingencies can be taken, If SECTION 7 - Handling and Storage Do not contaminate water, food, or feed by storage or disposal. Store in original container only in a secure, dry, well-ventilate dren, livestock and food products, other pesticides and fertilizer. Do not store below 10°C. Not for use or storage in or aroun Keep away from sources of ignition and protect from exposure to fire and heat. Segregate from oxidizers and incompatible n Data Section. (Section 10 – Stability and Reactivity) Keep the material out of reach of children. SECTION 8 - Exposure Control / Personal Protective Equipment EXPOSURE CONTROL METHODS: Avoid contact with skin, eyes or clothing. Avoid breathing dust. Wash thoroughly with soap and water after handling. Remover wash before reuse. Applicators and other handlers must wear: Long pants and long-sleeved shirt Socks and shoes Chemical resistant gloves made of any waterproof material PERSONAL PROTECTION: Chemical resistant gloves made of any waterproof material PERSONAL PROTECTION: Cov				nent as specified in the Exposure Control
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Do not contaminate water, food, or feed by storage or disposal. Store in original container only in a secure, dry, well-ventilate dren, livestock and food products, other pesticides and fertilizer. Do not store below 10°C. Not for use or storage in or aroun Keep away from sources of ignition and protect from exposure to fire and heat. Segregate from oxidizers and incompatible n Data Section. (Section 10 – Stability and Reactivity) Keep the material out of reach of children. SECTION 8 - Exposure Control / Personal Protective Equipment EXPOSURE CONTROL METHODS: Avoid contact with skin, eyes or clothing. Avoid breathing dust. Wash thoroughly with soap and water after handling. Remove wash before reuse. Applicators and other handlers must wear: Long pants and long-sleeved shirt Socks and shoes Chemical resistant gloves made of any waterproof material PERSONAL PROTECTIVE EQUIPMENT (PPE): HAND PROTECTION: Coveralls and shoes plus socks Follow manufacturer's instructions for cleaning/maintaining PPE. If no such instructions for washables exist, use detergent a PPE separately from other laundry. Discard clothing and other materials that have been heavily contaminated with this production SECTION 9 - Physical and Chemical Properties APPEARANCE: Gray, free-flowing granules % VOLATILITY (BY VOL): 0 ODOR: Slightly pungent odor OCTANOL /H_0 PARTITION COEF. : Not Applicable Not Applicable <td>1). If spill is to a water body, in</td> <td>mmediately notify applicable authorities</td> <td>downstream, so that contingencies can be</td> <td>e taken, If necessary.</td>	1). If spill is to a water body, in	mmediately notify applicable authorities	downstream, so that contingencies can be	e taken, If necessary.
dren, livestock and food products, other pesticides and fertilizer. Do not store below 10°C. Not for use or storage in or aroun Keep away from sources of ignition and protect from exposure to fire and heat. Segregate from oxidizers and incompatible n Data Section. (Section 10 – Stability and Reactivity) Keep the material out of reach of children. SECTION 8 - Exposure Control / Personal Protective Equipment EXPOSURE CONTROL METHODS: Avoid contact with skin, eyes or clothing. Avoid breathing dust. Wash thoroughly with soap and water after handling. Remove wash before reuse. Applicators and other handlers must wear: Long pants and long-sleeved shirt Socks and shoes Chemical resistant gloves made of any waterproof material PERSONAL PROTECTIVE EQUIPMENT (PPE): HAND PROTECTION: Chemical resistant gloves made of any waterproof material PERSONAL PROTECTIVE EQUIPMENT (PPE): HAND PROTECTION: Chemical resistant gloves made of any waterproof material PERSONAL PROTECTION: Chemical resistant gloves made of any waterproof material PERSONAL PROTECTION: Coveralls and shoes plus socks Follow manufacturer's instructions for cleaning/maintaining PPE. If no such instructions for washables exist, use detergent an PPE separately from other laundry. Discard clothing and other materials that have been heavily contaminated with this product SECTION 9 - Physical and Chemical Properties APPEARANCE: G ray, free-flowing granules % VOLATILITY (BY VOL): 0 0DOR: Slightly pungent odor BOLING POINT: Not Applicable PI: Not Appli		SECTION 7 -	Handling and Storage	
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HAND PROTECTION: Chemical resistant gloves made of any waterproof material EYE PROTECTION: Protective eyewear BODY PROTECTION: Coveralls and shoes plus socks Follow manufacturer's instructions for cleaning/maintaining PPE. If no such instructions for washables exist, use detergent an PPE separately from other laundry. Discard clothing and other materials that have been heavily contaminated with this production SECTION 9 - Physical and Chemical Properties APPEARANCE: Gray, free-flowing granules Slightly pungent odor OCTANOL /H ₂ 0 PARTITION COEF: Not Applicable BOILING POINT: Not Applicable PH: Not Appli	bid contact with skin, eyes or c sh before reuse. Applicators ar ong pants and long-sleeved sh ocks and shoes hemical resistant gloves made	nd other handlers must wear: nirt of any waterproof material	roughly with soap and water after handlin	g. Remove contaminated clothing and
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BOILING POINT: Not Applicable pH: Not Appl		······································		Not Applicable
			••••••	Not Applicable
				Not Applicable
VAPOR PRESSURE: Not Applicable EVAPORATION RATE: Not Appl				Not Applicable
BULK DENSITY: 70 - 90 lb/ft ³ SOLUBILITY IN WATER: 0			•••••••	
VAPOR DENSITY: Not Applicable	APOR PRESSURE:			
	APOR PRESSURE: JLK DENSITY:			
	APOR PRESSURE: JLK DENSITY:	Not Applicable	- Stability and Poactivity	
	APOR PRESSURE: JLK DENSITY: APOR DENSITY:	Not Applicable SECTION 10 -	- Stability and Reactivity	
CONDITIONS TO AVOID: Prolonged storage at temperatures greater than 50°C	APOR PRESSURE: JLK DENSITY:	Not Applicable SECTION 10 – Stable		-

IMAZAPRO Herbicide 0.5 Granular

INCOMPATIBLE MATERIALS:

Mild steel, brass, strong oxidizing agents or alkalies.

HAZARDOUS DECOMPOSITION PRODUCTS: Thermal decomposition may produce oxides of carbon and nitrogen.

Acute toxicity to fish:	Rainbow trout LC ₅₀ (96hour) = 100mg/L
Acute toxicity to aquatic invertebrates:	Daphnia magna EC50 (48hour) >100 mg/L
Toxicity to aquatic plants:	Green algae EC ₅₀ = 71 mg/L
Other terrestrial non-mammals:	Mallard duck >5000 ppm Honey bee > 100µg/bee

IMAZAPRO Herbicide 0.5 Granular

SECTION 11- TOXICOLOGICAL INFORMATION			
ACUTE TOXICITY/IRRITATION	STUDIES		
INGESTION:	LD ₅₀ > 5,000 mg/kg		
DERMAL:	LD ₅₀ > 2,000 mg/kg		
INHALATION:	LC ₅₀ => 1.3 mg/L		
EYE CONTACT:	Irritating (Rabbit, with complete recovery in 7 days)		



SSI MAXIM OF TENNESSEE LLC

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