

MS0072

MATERIAL SAFETY

DATA SHEET

Emergency phone see section IV

Office: Phone 941 722 3285

Southern Agricultural Insecticides, Inc.

P.O. Box 218

Palmetto, Fl. 34220

SEDGE HAMMERContains Basagran^R**Section I**Trade name: Home & Garden Sedge Hammer contains Basagran^R

EPA Reg. No.7969-45-829

Chemical Name: See section II – Ingredients

Synonyms:

Sodium Bentazon (Active ingredient)

BASF 351 32H (formulation)

Formula: C(10)H(11)N(2)NAO(3)S

Sodium Bentazon

Chemical Family: Benzothiadiazole
ingredient)

Mol. Wt.: 262.2 (active

Section II INGREDIENTS

COMPONANT	CAS No.	%	PEL/TLV – Source
Sodium Bentazon	50723- 80-3	42*	5 m/M ³ BASF Corp recommendation
Inerts	N/A	58	Not established

Chemical Name: [3-(1-methylethyl)-1H-2,1,3-benzothiadiazin-

4(3h)-one 2,2-dioxide] *Equivalent to 4 lb/gal bentazon

N/A =Not applicable; N/D =Not determined

SARA Title III section 313: Not Listed

SECTION III PHYSICAL DATABoiling Point/Melting Point @760 mm Hg 212⁰F pH: 8.0-9.0Vapor pressure mm Hg @ 20⁰C N/D

Specific Gravity: 1.19 g/ml

Bulk Density: 9.9 lb/gal

Solubility in Water: Infinite

Appearance: Brown Liquid

Odor: Unusual - sweet

Intensity: Mild

SECTION IV FIRE AND EXPLOSION

Flash Point (Test Method) Not flammable

Autoignition Temp: N/A

Flammability Limits In Air (% by volume)

Lower: N/A Upper: N/A

NFPA 704 Hazard Codes

Health: 1

Flammable: 0

Reactivity:0

NFPA 30 Storage Classification: Class: Not flammable

Extinguishing medium: Use water fog, foam, Co₂, or dry chemical media

Special Firefighting Procedures: Firefighters should be equipped with self-contained breathing apparatus and turnout gear.

Unusual Fire and Explosion Hazards: NONE

EMERGENCY PHONE NUMBERS: Night, Days, and, Holidays**BASF: 1 (800) 832-HELP****CHEMTREC:****1 800 424 9300**

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SECTION V HEALTH DATA

Toxicological Test Data: (Formulated product)

Rat, Oral LD₅₀> 2063 mg/Kg Rat, Dermal, LD₅₀>10,000 mg/Kg

Inhalation, LC₅₀ > 8 mg/l- Mouse

Eye irritation:- Mild irritation Skin irritation:- Mild irritation

Guinea pig, Dermal sensitizer – Non-Sensitizing

OSHA, NTP, IARC Carcinogen: Not listed

Effects of Overexposure: See product label and directions for use for additional precautionary statements.

Precautionary Statements

Hazards to Humans and Domestic Animals

If ingested in sufficient quantities, causes nausea, vomiting, diarrhea, and tremors. Causes reversible irritation, redness, swelling to eyes and abraded skin. May cause allergic skin reaction.

Inhalation hazard of vapors is not anticipated at normal temperatures. Excessive inhalation of mist may cause irritation of mucous membranes.

Existing medical conditions aggravated by exposure to this material:

No information found for this mixture

FIRST AID PROCEDURES

Statement of practical treatment

If swallowed: Dilute by giving two glasses of water, and call a physician. Never give anything by mouth to an unconscious person.

If inhaled: Remove subject to fresh air, if not breathing, give artificial respiration, preferably mouth; get medical attention.

If on skin: Wash with plenty of soap and water; get medical attention.

If in eyes: If contacted, flush eyes immediately with water for at least 15 minutes. Call a physician.

SECTION VI REACTIVITY DATA

Stability: Stable

Conditions to avoid: Do not allow to freeze.

Chemical Incompatibility: Per label, use only with recommended surfactants.

Hazardous Decomposition Products: Combustion may generate SO₂.

Hazardous Polymerization: Does not occur.

Conditions to avoid: Not applicable

Corrosive to metal: No

Oxidizer: No

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SECTION VII SPECIAL PROTECTION

Pesticide applicators & workers must refer to the product label and directions for use attached to the product for agricultural use requirements in accordance with the EPA Worker Protection Standard 40 CFR part 170.

Recommendations for manufacturing, commercial blending, and packaging workers:

Respiratory protection: Supplied air respirators should be worn if large quantities of mist are generated or prolonged exposure possible.

Eye Protection: Chemical goggles when respirator does not provide eye protection.

Protective Clothing: Gloves, long sleeved shirt, and slacks.

Ventilation: Whenever possible, engineering controls, should be used to minimize the need for personal protective equipment.

SECTION VIII ENVIRONMENTAL DATA

Environmental Toxicity Data

Sedge Hammer is not acutely toxic to fish or wildlife.

The following data is available for the active ingredient.

AQUATIC Tox: (Relatively non-toxic to aquatic organisms.

Rainbow trout 96 hr LC₅₀>100mg/L

Bluegill Sunfish, 96 hour LC₅₀>100 mg/L

Daphnia, 48 hr EC₅₀>500 mg/L

Algae 96 hr EC₅₀>30 mg/L

Avian Tox: Bobwhite	LD ₅₀ =1140 mg/kg
Bobwhite	LC ₅₀ >5000 mg/kg
Mallard Duck	LC ₅₀ >5000 mg/kg

Environmental Fate: Soil – aerobic photodegradation ½ life 4 months

Hydrolysis does not occur: Do not contaminate groundwater.

311/312 Reporting

Fire:no, Pressure:no, Reactivity: no, Acute: yes, Chronic: no TPQ(lbs) 10,000

SPILL AND LEAK PROCEDURES:

Spill should be contained in suitable containers for disposal.

This material is not regulated under RCRA or CERCLA (“Superfund”)

Hazardous Substance Superfund: no RQ(lbs): None

Waste Disposal Method: Incinerate or bury in a licensed facility. **Hazardous**

Waste 40CFR261: no **Hazardous Waste No.:** N/A

Container Disposal: Triple rinse containers into sprayer, puncture to render unusable. Crush containers and bury in approved landfill. Consult state or local authorities for approved alternate procedures such as container recycling.

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SECTION IX SHIPPING DATA-PACKAGE

DOT Proper Shipping Name (49CFR 172.101-102) none
Hazardous Substance: (49CFR CERCLA List) no RQ(lbs): N/A
DOT Hazard Classification: none
DOT Labels Required none **DOT Placards required** none
Bill of lading description: Herbicides, NOIBN NMFC 50320

SECTION X ADDITIONAL INFORMATION

“Sedge Hammer contains Basagran^R” is a soluble liquid postemergence herbicide for homeowner use, in established turf and certain ornamentals to control to control broad leaf weeds and sedges.

The complete label and directions for use are attached to the product. Use this product only in accordance with its labeling and the worker protection standard.

Ref: BASF CORP. Product No.54900 6/30/99

DISCLAIMER

Important: While the descriptions, designs, data and information contained herein are presented in good faith and believed to be accurate, it is provided for your guidance only. Because many factors may affect processing or application/use, we recommend that you make tests to determine the suitability of a product for your particular purpose prior to use. No warranties of any kind, either express or implied, including warranties of merchantability or fitness for a particular purpose, are made regarding products described or designs, data or information set forth, or that the products, designs, data or information, may be used without infringing the intellectual property rights of others. In no case shall the descriptions, information, data or designs provided be considered a part of our terms and conditions of sale. Further you expressly understand and agree that the descriptions, designs, data, and information furnished by BASF and/or Southern Agricultural Insecticides, Inc. hereunder are given gratis and BASF and/or Southern Agricultural Insecticides Inc. assumes no obligation or liability for the descriptions, designs, data and information given or the results obtained, all such being given and accepted at your risk.