



# Material Safety Data Sheet

FOR EMERGENCY, SPILL, LEAK, FIRE, EXPOSURE, OR ACCIDENT, CALL:  
CHEMTREC 1-800-424-9300

## Section 1—Chemical Product and Company Identification

Product Name:	Basagran® Herbicide	EPA Reg. No.: 7969-45-1381
Common Name:	{3-(1-methylethyl)-1H-2,1,3-benzothiadiazin-4(3H)-one,2,2-dioxide}	
Chemical Description:	Benzothiazidazole	
Manufacturer's Name: WINFIELD SOLUTIONS, LLC P. O. Box 64589 St. Paul, MN 55164-0589	Medical Emergency Telephone Number: 1-877-424-7452 MSDS Revision Date: 1/26/2010 Supersedes document dated 09/12/2007	

## Section 2—Hazards Identification

**Emergency Overview:** Harmful if swallowed. Harmful if absorbed through skin. May cause moderate but temporary irritation to the eyes. Avoid contact with the skin, eyes and clothing.

**CAUTION:** Keep out of reach of children. Keep out of reach of domestic animals.

**Route(s) of Entry:** Eyes, Inhalation, Skin, and Ingestion.

**Health Hazards (Acute and Chronic):**

**Inhalation:** Relatively nontoxic after short-term inhalation.

**Eyes:** May cause moderate but temporary irritation to the eyes.

**Skin:** Slightly toxic after short-term skin contact. May cause slight irritation to the skin. Cause skin sensitization in animal studies.

**Ingestion:** Slightly toxic after single ingestion.

**Medical Conditions Generally Aggravated by Exposure:**

None known.

## Section 3—Composition Information on Ingredients

Ingredient	% (wt)	CAS Reg. #
Sodium Bentazon	44.0%	50723-80-3
Proprietary Ingredients	56.0%	N/A

### NFPA HAZARD RATING:

0	Least		
1	Slight	1	Health
2	Moderate	0	Flammability
3	High	0	Reactivity
4	Severe		

## Section 4—First Aid Measures

**Inhalation:** Remove person to fresh air and support breathing as needed. Seek medical attention if irritation persists.

**Ingestion:** Contact a poison control center or doctor 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.

**Eyes:** Hold eyes open and rinse slowly and gently with water for 15 to 20 minutes. Remove contact lenses, if present, after first 5 minutes, and then continue rinsing. Contact a poison control center or doctor for treatment advice.

**Skin:** Remove contaminated clothing and wash before re-using. Rinse skin immediately with plenty of water for 15-20 minutes. Contact a poison control center or doctor for treatment advice.

After first aid, get appropriate in-plant, paramedic, or community medical support.

### Section 5—Fire and Explosion Hazard Data

**Extinguishing Media:** Water, dry extinguishing media, carbon dioxide, foam

**Special Fire Fighting Procedures:** Wear self-contained breathing apparatus and full bunker gear. Smoke and fumes from fire may contain hazardous components.

**Hazardous Combustion Products:** Carbon monoxide, carbon dioxide, hydrocarbons, nitrogen oxides, sulfur oxides. If product is heated above decomposition temperature, toxic vapors will be released.

**Unusual Fire and Explosion Hazards:** N/A

### Section 6—Accidental Release Measures

**Small Spills:** Clean-up personnel should wear suitable personal protective clothing and equipment. Spills when handling should be cleaned up immediately to prevent spreading. Pick up with suitable absorbent material.

**Large Spills:** Clean-up personnel should wear suitable personal protective clothing and equipment. Pick up with suitable absorbent material. Place into suitable containers for reuse or disposal in a licensed facility. If application of spilled product is not possible, then spills should be contained and placed in suitable containers for disposal or beneficially used.

**Containment:** Do not release into sewers or waterways. Dike spills to prevent contamination to water supplies. After decontamination, spill area can be washed with water. Collect wash water for approved disposal.

### Section 7—Precautions for Safe Handling and Use

**Precautions to Be Taken in Handling and Storage:** Store in cool, dry areas away from children, feed and food products and sources of heat. Immediately clean up spills that occur during handling or storage. Protect from temperatures below 0°C. Keep containers tightly sealed when not in use. Keep away from sources of ignition – No smoking.

**Other Precautions:** Consult Local, State, and Federal regulations pertaining to storage and disposal.

### Section 8—Control Measures/Personal Protection

**Respiratory Protection:** Seek professional advice prior to respirator selection and use. Follow OSHA respirator regulations (29 CFR 1910.134) and, if necessary, wear an MSHA/NIOSH-approved TC23C Chemical/Mechanical type filter system to remove a combination of particles, gas and vapors.

**Ventilation:** **Local Exhaust:** Provide general or local exhaust ventilation systems to maintain airborne concentrations below OSHA PELs. Local exhaust ventilation is preferred.

**Protective Gloves:** Wear chemically protective gloves.

**Eye Protection:** Wear protective eyeglasses with side-shields or chemical safety goggles. Contact lenses or not eye protective devices. Wear face shield if splashing hazard exists.

**Other Protective Clothing or Equipment:** Wear chemically protective boots, aprons, and gauntlets to prevent prolonged or repeated skin contact.

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

### Section 9—Physical/Chemical Characteristics

<b>Physical State:</b>	Liquid	<b>Specific Gravity (H<sub>2</sub>O=1):</b>	1.19 g/ml
<b>Vapor Pressure (mm Hg):</b>	Not determined	<b>Freezing Point:</b>	-11°C
<b>Vapor Density (Air=1):</b>	Not determined	<b>Boiling Point:</b>	212°F
<b>Solubility in Water (wt %):</b>	Fully soluble	<b>pH:</b>	8.0-9.0
<b>Appearance and odor:</b>	Yellowish, brown liquid with mild, uncharacteristic sweetish odor	<b>Flash Point:</b>	Not determined

### Section 10—Reactivity Data

**Stability:** Product stable at room temperature in closed containers under normal storage and handling conditions.

**Chemical Incompatibilities:** Strong acids and strong oxidizing agents.

**Conditions to Avoid:** Avoid all sources of ignition: heat, sparks, open flame. Avoid extreme temperatures. Avoid prolonged exposure to extreme heat. Avoid contamination. Avoid electro-static discharge. Avoid prolonged storage.

**Hazardous Decomposition Products:** No hazardous decomposition products if stored and handled as prescribed/indicated. Prolonged thermal loading can result in products of degradation being given off. Possible thermal decomposition products: carbon monoxide, carbon dioxide, sulfur dioxide, nitrogen oxide, hydrocarbons.

**Hazardous Polymerization:** N/A

### Section 11—Toxicological Information

Eye Effects:	Rabbit: non-irritant		
Skin Effects:	Rat LD <sub>50</sub> : >4,000 mg/kg		
Acute Inhalation Effects:	Rat LC <sub>50</sub> : >4.8 mg/l / 4 hr		
Acute Oral Effects:	Rat LD <sub>50</sub> : >1,000 - <2,000 mg/kg		
Chronic Effects:	Not determined		
Carcinogenicity:	Not determined		
Mutagenicity:	Not determined		
Teratogenicity:	Not determined		
Carcinogenicity	NTP: Not available	IARC: Not available	OSHA: Not Available

### Section 12—Ecological Information

**Aquatic Tox:** (Relatively non-toxic to aquatic organisms)

96 hour LC<sub>50</sub>, Rainbow trout: >100 mg/L

48 hour EC<sub>50</sub>, Daphnia: 125 mg/L

96 hour EC<sub>50</sub>, Green algae: 33.3 mg/L

**Avian Tox:**

Bobwhite LD<sub>50</sub>: 1140 mg/kg

Bobwhite LC<sub>50</sub>: >5000 mg/L

### Section 13—Disposal Considerations

**Waste:** Dispose of in accordance with applicable Federal, state and local laws and regulations.

**Container:** Triple rinse (or equivalent) the empty containers. Then offer for recycling or reconditioning.

### Section 14—Transport Information

Not regulated by the DOT as a hazardous material.

### Section 15—Regulatory Information

**TSCA Inventory:** Released/exempt

**SARA Title III, Section 302:** None listed

<b>SARA Title III, Section 311/312:</b>	Immediate: <b>Yes</b>	Delayed: <b>No</b>
Sudden Release of Pressure: <b>No</b>	Fire: <b>No</b>	Reactive: <b>No</b>

**SARA Title III, Section 313:** None listed

**CERCLA:** None listed

**PROPOSITION 65: WARNING:** This product may contain chemicals known to the State of California to cause cancer and birth defects or reproductive harm.

**RCRA characteristics:** Not applicable

### Section 16—Other

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