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)-one2,2-dioxide}	
Chemical Description:	Benzothizdiazole	

Manufacturer's Name:	Medical Emergency Telephone Number:
WINFIELD SOLUTIONS, LLC	1-877-424-7452
P. O. Box 64589	MSDS Revision Date: 1/26/2010
St. Paul, MN 55164-0589	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-approvedTC23C 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

Physical State:	Liquid	**Specific Gravity (H_2O=1):**	1.19 g/ml
Vapor Pressure (mm Hg):	Not determined	**Freezing Point:**	-11°C
Vapor Density (Air=1):	Not determined	**Boiling Point:**	212°F
Solubility in Water (wt %):	Fully soluble	**pH:**	8.0-9.0
Appearance and odor:	Yellowish, brown liquid with mild, uncharacteristic sweetish odor	**Flash Point:**	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_{50}: >4,000 mg/kg
Acute Inhalation Effects:	Rat LC_{50}: >4.8 mg/l / 4 hr
Acute Oral Effects:	Rat LD_{50}: >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_{50}, Rainbow trout: >100 mg/L
48 hour EC_{50}, Daphnia: 125 mg/L
96 hour EC_{50}, Green algae: 33.3 mg/L
Avian Tox:
Bobwhite LD_{50}: 1140 mg/kg
Bobwhite LC_{50}: >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

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

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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