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Material Safety Data Sheet
J. R. Simplot Company
M&C Group

Trade Name: BareSpot Monobor Chlorate
Registration No: 7001-341

Section 1 | Identification

Manufacturer or Formulator: J.R. Simplot Company
P.O. Box 912
Pocatello, ID 83204
Emergency Phone - Chemtrec: 1-800-424-9300
Product Name: BareSpot Monobor Chlorate
Common Name: Monobor Chlorate, BareSpot MBC
Chemical Type: Herbicide

Section 2 | Shipping Data

Shipping name: Not regulated by D.O.T.
Hazard Class: None
C.A.S. Number: 52623-84-4
Reportable Quantity(RQ): None
D.O.T. Number: None
Labels Required: None
Haz Waste No: None
Placard: None
EPA Regist No. 7001-341

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Section 3 | Ingredients

Chemical Name and Synonyms	C.A.S. No.	Chemical Formula	WT%	TLV	PEL
Sodium Chlorate	7775-09-09	NaClO ₃	30.0		Not available
Non-Hazardous					
Sodium Metaborate Tetrahydrate	7775-19-1	Na ₂ B ₂ O ₄ ·4H ₂ O		68.0	Not available
Inert Ingredients			2.0	10 mg/M ³ S Nuisance Dust	

Section 4 | Physical Properties

Boiling Point: Not-Applicable
Solubility in Water: > 2 lbs./gal. @ 68°F
Density: 54 lbs./ft³S

% Volatiles (by volume):	0
Flashpoint:	Not-Applicable
Vapor pressure, mm Hg:	Not-Applicable
pH:	Not listed
Appearance:	Off white, odorless granular solids.
Reaction with Water:	None
Extinguishing Media:	Flood with water.

Section 5 | Hazardous Health Data

Ingestion: Slight toxicity. Acute oral LD₅₀ (rat): 6800 mg/kg (Farm Chemicals Handbook, 1991).

Inhalation: May cause discomfort of mucous membranes and possible ulceration of nasal septum.

Eye Contact: Do not get into eyes. Corrosive to eye tissue.

Skin Absorption: Slight toxicity. Dermal LD₅₀ (rabbit): 20,000 mg/kg (Farm Chemicals Handbook 1990).

Skin Contact: Moderate skin abrasion possible.

Effects of Overdose: Dust may cause discomfort to eyes, skin, and mucous membranes. Ingestion of large quantities might prove fatal. Symptoms include gastritis, abdominal pains, nausea, diarrhea, vomiting, cyanosis, and collapse. May cause methemoglobinemia and a late toxic nephritis.

Emergency and First Aid Procedures:

Ingestion: If swallowed, drink promptly a large quantity of milk, egg white and gelatin solution or, if these are not available, drink large quantities of water. Avoid alcohol. Never give anything by mouth to an unconscious person. Call poison control and follow their directions. Get medical attention immediately.

Inhalation: Remove to fresh air. Seek medical attention if condition persists.

Eyes: Hold eye open and wash with steady gentle streams of water for 15 minutes.

Skin: Remove contaminated clothing and wash skin with soap and water. Get medical attention if condition persists.

Note to Physician: Probable mucosal damage may contraindicate the use of gastric lavage.

Section 6 | Personal Protection Data

Ventilation Protection: Adequate ventilation.

Respiratory Protection: Dust mask where appropriate.

Protective Clothing: Washable head covering cotton coveralls laundered daily, rubber gloves and rubber footwear.

Eye Protection: Wear goggles, face mask or chemical safety goggles.

Other: Safety shower and eyewash fountain.

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 Section 7 | Fire and Explosion Hazard Data
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Flash Point (Test Method): Non-flammable Flammable Limits LOWER UPPER
 Autoignition Temperature: Not combustible (% BY VOLUME) N/A N/A
 Hazard Rating (N.F.P.A.):

Non-fire: Health: 0 Fire: 0 Reactivity: 1 Specific: Not-Applicable
 Fire: Health: 1 Fire: 1 Reactivity: 1 Specific: Not-Applicable

This N.F.P.A. rating is a recommendation by the manufacturer using the guidelines or published evaluations prepared by the National Fire Protection Association (N.F.P.A.).

Extinguishing Media:

Not a fire hazard. However, if material is involved in a fire, flood with water. Sodium Chlorate will decompose at 570°F and supply oxygen to the fire. Smothering type extinguishers are not effective.

Special Fire Fighting Procedures:

In any pesticide fire, evacuate area downwind of fire and approach upwind from fire. Wear self-contained breathing apparatus.

Unusual Fire and Explosion Hazards:

Monobor Chlorate is specially formulated to minimize fire and explosion hazard. Sodium Chlorate is an oxidizer and is a fire and explosion hazard when in contact with incompatible materials. Sodium Metaborate is a fire retardant.

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 Section 8 | Reactivity Data
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Stability (Normal Conditions): Stable

Conditions to Avoid: Extreme heat, fire hazards, incompatible materials.
 Incompatibility (Material to Avoid): Strong acids, organic chemicals, sulfur and sulfides, powdered metals, ammonium compounds, organic matter, carbon, phosphorous, oil, fuel.

Hazardous Decomposition Products: Oxygen and possibly unstable chlorine dioxide, which decomposes spontaneously to chlorine.

Hazardous Polymerization: Will not occur.

Conditions to Avoid: Not-Applicable

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 Section 9 | Environmental Protection Data
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Environmental Precautions: Keep out of lakes, ponds and streams. Do not apply where runoff is likely to occur. Toxic to fish. Low toxicity to wildlife.

^^ Steps to be taken in case material is released or spilled:
 Sweep up or vacuum in a dry state on wood floors. Sweep up or vacuum, then flush with water, on concrete or metal floors. Remove contaminated clothing at once and wash before reusing.

Waste disposal Procedures: Dispose of in accordance to local, state, and federal regulations:
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Section 10 | Handling and Storage Precautions
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Precautions to be taken in handling and storing:

Store in cool, dry, fire resistant area; separate from acid, solvents, oils, organic substances, sulfur, sulfides powdered metals, ammonium salts, etc. and away from fire hazards. Do not store on wood floors. Monobor is specially formulated to minimize fire and explosion hazard. Avoid direct floor contact and moisture. Store on pallets or skids.

Proper Shipping Name: Not regulated by D.O.T.

Labels Required (If not exempt): None

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Section 11 | SARA Information
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Not on the 302 list of reportable quantities.

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Section 12 | Additional Information
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Carcinogenicity:

by IARC?: Yes () No (X) by NTP?: Yes () No (X)
by CAL/OSHA?: Yes () No (X)

California Prop 65:

Yes () No (X)

MSDS Version Number: 1

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Reviewed by: The Department of Regulatory Affairs
April 1994 (208)238-2700