Safety Data Sheet

according to the Hazard Communication Standard (CFR29 1910.1200) HazCom 2012 Date of issue: 03/25/2015 Revision date: 03/25/2015 Version: 1.0

SECTION 1: Identification of th	e substance/mixture and of the company/undertaking
1.1. Product identifier	
Product name	: BareSpot® Monobor-Chlorate
Product code	: Not available
EPA no	: 33560-48
1.2. Relevant identified uses of the	ne substance or mixture and uses advised against
Use of the substance/mixture	: Weed killer
1.3. Details of the supplier of the	safety data sheet
Pro-Serve, Inc. 3390 Winbrook Dr. Memphis, TN 38116 - USA T (901) 332-7052	
1.4. Emergency telephone number	er
Emergency number	: (901) 332-7052 CHEMTREC 1 (800) 424-9300
SECTION 2: Hazards identifica	tion
2.1. Classification of the substan	ce or mixture
GHS-US classification	
Acute toxicity 4 (Oral)	
Serious eye damage 1	
Reproductive toxicity 2 (developmental)	
2.2. Label elements	
GHS-US labelling	

GHS-US labelling Hazard pictograms (GHS-US)

Signal word (GHS-US) Hazard statements (GHS-US) Precautionary statements (GHS-US) GHS05 GHS07 GHS08

: Danger

- : Harmful if swallowed. Causes serious eye damage. Suspected of damaging the unborn child.
- : Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Wash hands thoroughly after handling. Do not eat, drink or smoke when using this product. Wear protective gloves/protective clothing/eye protection/face protection. If exposed or concerned: Get medical advice/attention. If swallowed: Call a poison center/doctor if you feel unwell. Rinse mouth. If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a poison center/doctor. Store locked up. Dispose of contents/container in accordance with local/regional/national/international regulations.

2.3. Other hazards

No additional information available.

	SECTION 3: C	omposition/in	formation on i	ingredients
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3.1. Substance

Not applicable.

3.2. Mixture			
Name	Product identifier	%	GHS-US classification
Sodium metaborate	(CAS No) 7775-19-1	30 - 60	Repr. 2 (developmental)
Sodium chlorate	(CAS No) 7775-09-9	15 - 40	Ox. Sol. 1 Acute Tox. 4 (Oral)

* The exact percentage (concentration) of composition has been withheld as a trade secret in accordance with paragraph (i) of §1910.1200.

BareSpot® Monobor-Chlorate Safety Data Sheet according to the Hazard Communication Standard (CFR29 1910.1200) HazCom 2012

4.1 Description of first aid measures First-aid measures after inhabition : If breathing is difficult, remove victim to fresh air and keep at test in a position comfortable for isrication ensures after skin contact :: If initiation occurs, flush skin with plenty of water. Get medical attention if imitation presists. First-aid measures after skin contact :: If initiation occurs, flush skin with plenty of water. Get medical attention if imitation presists. First-aid measures after ingestion :: If exailwood, 6A NCI induce wonfing unless directed to do so by medical personnel. Never give anything by input in oan unconscious person. Call a POISON CENTER or doordphysicin in Typu feel unwell. 4.2 Most important symptoms and effects, both actus and delayed Symptoms/injuries after inhabition : May cause seripticary dramaps. Symptoms may include denotion or pain, exceeds blinking and tear production, with marked referess and swelling of the conjunctiva. Symptoms/injuries after inhabition : May cause seripticary denames. Symptomach distress, nausea or vorning. 4.3. Indication of any immediate medical attention and special treatment needed Symptoms/injuries after inhesition : Treat for surrounding material. Flood with water. Low atting informat symptoms and index distribution water. : Somothering type exinguishers are not effective. Store of an innediately in case of accident or iny our led unwell, each and and supply oxygen to the fire. : Treat for surrounding materinal. Flood with water. <tr< th=""><th>SECTION 4: First aid measures</th><th></th></tr<>	SECTION 4: First aid measures	
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	Storage conditions	
	7.3. Specific end use(s)	
	Not available.	

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SECTION 8: Exposure c	ontrols/perso	onal protection	
.1. Control parameters			
Sodium metaborate (7775-19	9-1)		
ACGIH	Not applicable		10 mg/m ³ (nuisance dust)
OSHA	Not applicable		
Sodium chlorate (7775-09-9)			
ACGIH	Not applicable		
OSHA	Not applicable		
3.2. Exposure controls	•		
Appropriate engineering controls	S		osures (airborne levels of dust, fume, vapor, etc.) below that eyewash stations and safety showers are close to
Hand protection		Wear suitable gloves.	
Eye protection		Wear approved eye protection (properly fitted dust- or splash-proof chemical safety goggles) and face protection (face shield).	
Skin and body protection		: Wear suitable protective clothing.	
Respiratory protection		: A NIOSH approved respirator is recomexposure limits may be exceeded.	nmended in poorly ventilated areas or when permissible
nvironmental exposure control	s	: Maintain levels below Community envi	ironmental protection thresholds.
Other information			al is handled, processed or stored. Wash hands carefully ding to established industrial hygiene and safety practices.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and	chemical properties
Physical state	: Solid
Appearance	: Pellets
Colour	: White/Grey
Odour	: No data available
Odour threshold	: No data available
рН	: No data available
Melting point	: No data available
Freezing point	: No data available
Boiling point	: No data available
Flash point	: No data available
Relative evaporation rate (butylacetate=1)	: No data available
Flammability (solid, gas)	: Not flammable
Explosive limits	: No data available
Explosive properties	: No data available
Oxidising properties	: No data available
Vapour pressure	: Negligible
Relative density	: No data available
Relative vapour density at 20 °C	: No data available
Solubility	: Water: > 2 lbs/gal @ 20 °C (68 °F)
Partition coefficient: n-octanol/water	: No data available
Log Kow	: No data available
Auto-ignition temperature	: Non-combustible
Decomposition temperature	: No data available
Viscosity	: No data available
Viscosity, kinematic	: No data available
Viscosity, dynamic	: No data available
9.2. Other information	

No additional information available.

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according to the Hazard Communication Standard (CFR29 1910.1200) HazCom 2012				
SECTION 10: Stability and reactivity				
10.1. Reactivity				
No dangerous reaction known under conditions of normal use.				
10.2. Chemical stability				
Stable under normal storage conditions.				
10.3. Possibility of hazardous reactions				
No dangerous reaction known under conditions of	normal use.			
10.4. Conditions to avoid				
Heat. Incompatible materials.				
10.5. Incompatible materials				
Strong acids. Strong bases.				
10.6. Hazardous decomposition products				
May include, and are not limited to: oxides of carb	on.			
SECTION 11: Toxicological information	on			
11.1. Information on toxicological effects				
Acute toxicity	: Harmful if swallowed.			
BareSpot® Monobor-Chlorate				
LD50 oral rat	>300 but ≤2000 mg/kg (calculated using ATE values)			
LD50 dermal rabbit	> 2000 mg/kg			
LC50 inhalation rat	> 5 mg/l/4h			
Sodium metaborate (7775-19-1)				
LD50 oral rat	2330 mg/kg			
Sodium chlorate (7775-09-9)				
LD50 oral rat	1200 mg/kg			
LD50 dermal rabbit	> 10000 mg/kg			
LC50 inhalation rat	> 28 g/m³/1h			
Skin corrosion/irritation	: Based on available data, the classification criteria are not met.			
Serious eye damage/irritation	: Causes serious eye damage.			
Respiratory or skin sensitisation	: Based on available data, the classification criteria are not met.			
Germ cell mutagenicity	: Based on available data, the classification criteria are not met.			
Carcinogenicity	: Based on available data, the classification criteria are not met.			
Sodium chlorate (7775-09-9)				
National Toxicology Program (NTP) Status	1 - Evidence of Carcinogenicity			
Reproductive toxicity	: Suspected of damaging the unborn child.			
Specific target organ toxicity (single exposure)	: Based on available data, the classification criteria are not met.			
	: Based on available data, the classification criteria are not met.			
Aspiration hazard	: Based on available data, the classification criteria are not met.			
Symptoms/injuries after inhalation	: May cause respiratory tract irritation.			
Symptoms/injuries after skin contact	: May cause respiratory tract inflation. : May cause skin irritation. Symptoms may include redness, drying, defatting and cracking of the skin.			
Symptoms/injuries after eye contact	: Causes serious eye damage. Symptoms may include discomfort or pain, excess blinking and			
	tear production, with marked redness and swelling of the conjunctiva.			
Symptoms/injuries after ingestion	: Harmful if swallowed. May cause stomach distress, nausea or vomiting.			
SECTION 12: Ecological information				
12.1. Toxicity				
Ecology - general	: May cause long-term adverse effects in the aquatic environment.			
12.2 Persistence and degradability				

12.2.	Persistence and degradability		
BareS	pot® Monobor-Chlorate		
Persis	tence and degradability	Not established.	
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	ioaccumulative potential			
•	Monobor-Chlorate			
Bioaccum	ulative potential	Not established.		
12.4. M	obility in soil			
No additiona	al information available.			
12.5. O	ther adverse effects	ier adverse effects		
Effect on the	e global warming	: No known ecological damage caused by this product.		
SECTION	13: Disposal considerations	3		
13.1. W	aste treatment methods			
Waste dispo	osal recommendations	: This material must be disposed of in accordance with all local, state, provincial, and federal regulations. The generation of waste should be avoided or minimized wherever possible.		
SECTION	14: Transport information			
Departmen	t of Transportation (DOT)			
n accordan	ce with DOT			
Not regulate	ed for transport.			
Additional	information			
Other inform	nation	: No supplementary information available.		
Special tran	sport precautions	: Do not handle until all safety precautions have been read and understood.		
SECTION	15: Regulatory information			
15.1. US Fe	deral regulations			
	nents of this product are listed, or exclute t (TSCA) inventory.	uded from listing, on the United States Environmental Protection Agency Toxic Substances		
15.2. US St	ate regulations			
BareSpot®	Monobor-Chlorate			
State or loca	al regulations	This product does not contain a chemical known to the State of California to cause cancer, birth defects or other reproductive harm.		
SECTION	116: Other information			
		: 03/25/2015		
Date of issu				

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