		Safety Data Sheet	
SPAGUARD® BRON	IINATING CONC	ENTRATE	
Version: 1.1	Revisio	on Date: 08/04/2010	Print Date: 05/31/2012
SECTION 1. PRODUCT AND C	OMPANY IDENTIFICA	TION	
Product name:	SPAGUARD® BR	ROMINATING CONCENTRATH	Ε
Product Use Description:	Recreational Wa	ater Product	
Chemical nature:	Chlorinated Isocyan	nurates	
Registration number:	5185-376		
Company:	Bio-Lab, Inc. BioGuard P.O. Box 300002 Lawrenceville, GA 30049-1002		
	Telephone: (800) 859)-7946	
Emergency telephone:	Poison Control Center	ours) 800-424-9300, 703-527-3887 r (Medical) :: (877) 800-5553 n Emergency Response: CHEMTUR	A : 800-292-5898
	For additional emerge	ency telephone numbers see section 1	6 of the Safety Data Sheet.
Prepared by:	Product Safety Depart (US) +1 866-430-2775		
	+011-886-2-2712-566	68 MSDSRequest@chemtura.com	1
SECTION 2. HAZARDS IDENTI Emergency Overview Danger	IFICATION		
<u>Form</u> : granules	Colour: white	<u>Odour</u> : Faint Halogen.	
Hazard Summary	Causes skin l Harmful if swa Harmful if abs Causes respi Avoid breathi		Э.
SAP 6.0	1/9	SDS Numb	ber: 00000004329

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OSHA Hazards	: THIS MATERIAL IS HAZARDOUS UNDE THE FEDERAL OSHA HAZARD COMMU 29CFR 1910.1200.	
Potential Health Effects		
Primary Routes of Entry	: Skin contact Inhalation Ingestion Eye contact	
Aggravated Medical Condition	: Respiratory disorders Skin disorders	
Inhalation	: Harmful if inhaled. Causes respiratory tract irritation.	
Skin	 Harmful if absorbed through skin. Causes skin burns. On contact with moisture, this material readily hydrin burns if not promptly removed. 	drolyzes to acid which may result
Eyes	: Causes serious eye damage.	
Ingestion	: Harmful if swallowed.	
Chronic Exposure	: None known.	

SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

Hazardous components

Component	CAS-No.	Weight percent
Sodium Dichloro-S-Triazinetrione	2893-78-9	82.5 %
sodium bromide	7647-15-6	14.7 %

SECTION 4. FIRST AID MEASURES

First aid procedures

Inhalation	: Remove to fresh air. If person is not breathing, respiration, preferably more	call 911 or an ambulance, then give artificial uth-to-mouth, if possible.
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	Call a POISON CENTER or doctor/physician.	
Skin contact	: Remove contaminated clothing and shoes.	
	Rinse immediately with plenty of water for at least 15 n	ninutes.
	Call a POISON CENTER or doctor/physician.	
Eye contact	: Rinse immediately with plenty of water, also under the	evelids, for at least 15
,	minutes.	- ,
	Remove contact lenses, if present, after 5 minutes, the	en continue rinsing eye.
	Call a POISON CENTER or doctor/physician.	
Ingestion	: Call a physician or poison control centre immediately.	
Ingestion	Have person sip a glass of water if able to swallow.	
	Do not induce vomiting unless told to do so by the pois	son control center or
	doctor.	
	Do not give anything by mouth to an unconscious pers	on.
Notes to physician		
Treatment	: Probable mucosal damage may contraindicate the use	of gastric lavage.
	- /	
Flammable properties Flash point	: Remarks: None.	
Fire fighting		
Fire fighting Suitable extinguishing media	: Flood with large volumes of water.	
Suitable extinguishing media		
	: Flood with large volumes of water.	
Suitable extinguishing media Unsuitable extinguishing	Flood with large volumes of water.Risk of violent reaction.	
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Suitable extinguishing media Unsuitable extinguishing media	 Flood with large volumes of water. Risk of violent reaction. ABC powder Dry chemical Nitrogen trichloride can be generated slowly by the rea water with a high concentration of this product. Nitroge an explosion hazard. Immediately after a fire has been 	n trichloride can present extinguished, check for
Suitable extinguishing media Unsuitable extinguishing media	 Flood with large volumes of water. Risk of violent reaction. ABC powder Dry chemical Nitrogen trichloride can be generated slowly by the rea water with a high concentration of this product. Nitroge an explosion hazard. Immediately after a fire has been wet or damp material. Any spilled material from burned 	n trichloride can present extinguished, check for d or broken containers
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Suitable extinguishing media Unsuitable extinguishing media	 Flood with large volumes of water. Risk of violent reaction. ABC powder Dry chemical Nitrogen trichloride can be generated slowly by the rea water with a high concentration of this product. Nitroge an explosion hazard. Immediately after a fire has been wet or damp material. Any spilled material from burned should be assumed contaminated. Neutralize to a non- disposal. Do not attempt to re-close broken containers the disposal area. They should be left open to disperse that may form. Material which appears undamaged exception. 	en trichloride can present extinguished, check for d or broken containers -oxidizing material for safe , even for movement to e any nitrogen trichloride cept for being damp on the
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Suitable extinguishing media Unsuitable extinguishing media	 Flood with large volumes of water. Risk of violent reaction. ABC powder Dry chemical Nitrogen trichloride can be generated slowly by the rea water with a high concentration of this product. Nitroge an explosion hazard. Immediately after a fire has been wet or damp material. Any spilled material from burned should be assumed contaminated. Neutralize to a non- disposal. Do not attempt to re-close broken containers the disposal area. They should be left open to disperse that may form. Material which appears undamaged exe outside, should be opened and inspected immediately. applicable) of the container is damaged or the material 	en trichloride can present extinguished, check for d or broken containers -oxidizing material for safe , even for movement to e any nitrogen trichloride cept for being damp on the . If the plastic liner (where l is damp, the material
Suitable extinguishing media Unsuitable extinguishing media	 Flood with large volumes of water. Risk of violent reaction. ABC powder Dry chemical Nitrogen trichloride can be generated slowly by the rea water with a high concentration of this product. Nitroge an explosion hazard. Immediately after a fire has been wet or damp material. Any spilled material from burned should be assumed contaminated. Neutralize to a non- disposal. Do not attempt to re-close broken containers the disposal area. They should be left open to disperse that may form. Material which appears undamaged exe outside, should be opened and inspected immediately. 	en trichloride can present extinguished, check for d or broken containers -oxidizing material for safe , even for movement to e any nitrogen trichloride cept for being damp on the l f the plastic liner (where l is damp, the material dizing material for safe

Special protective equipment : In the event of fire, wear self-contained breathing apparatus.

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for fire-fighters	Thoroughly decontaminate fire fighting equipment including all fire fighting wearing apparel after the incident.
TION 6. ACCIDENTAL RELE	EASE MEASURES
Environmental precautions	: Do not flush into surface water or sanitary sewer system.
Methods for containment / Methods for cleaning up	 Using appropriate protective clothing and safety equipment, contain spilled material. Do not add water to spilled material. Using clean dedicated equipment, sweep and scoop all spilled material, contaminated soil, and other contaminated material and place into clean dry containers for disposal. Do not close containers containing wet or damp material. They should be left open to disperse any hazardous gases that may form.
Additional advice	 Do not use floor sweeping compounds to clean up spills. Do not transport wet or damp material. Treat recovered material as described in the section "Disposal considerations". Do not contaminate water, food or feed by storage or disposal or cleaning of equipment.
Handling procedures	 Contains a strong oxidizing agent. Avoid contact with skin, eyes and clothing. Avoid breathing dust. Avoid breathing vapors. Do not mix with other chemicals. Mix only with water. Never add water to this product. Always add product to large quantities of water. Use only clean and dry utensils. Do not add this product to any dispensing devices containing remnants of any other product. Such use may cause a violent reaction leading to fire or explosion. Contamination with moisture, organic matter or other chemicals may start a chemical reaction and generate heat, hazardous gas, possible fire and
	explosion. In case of contamination or decomposition, do not reseal container. If possible, isolate container in open air or well ventilated area. Flood with large volumes of water. Wash hands thoroughly with soap and water after handling and before eating, drinking or using tobacco. Do not handle until all safety precautions have been read and understood.

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Requirements for storage areas and containers	: Store in original container. Keep container closed when r Store in a cool, dry, well ventil Keep out of reach of children. Keep away from animals.	lated area away from heat or open flame.	
CTION 8. EXPOSURE CONT	ROLS/PERSONAL PROTECTION		
Exposure Guidelines			
Engineering measures			
Engineering measures	: Use with adequate ventilation. Ensure that eyewash stations location.	and safety showers are close to the workstation	
Personal protective equip	ment		
Eye protection	: Safety glasses with side-shield	ds	
Hand protection	: Wear rubber gloves.		
Respiratory protection		A respiratory protection program that meets OSHA 1910.134 and ANSI Z88.2 requirements must be followed whenever workplace conditions warrant a	
Hygiene measures	: Wash contaminated clothing b	pefore reuse.	
CTION 9. PHYSICAL AND C Appearance			
Form Colour	: granules : white		
Odour	: Faint Halogen.		
Safety data			
Flash point	: Note: None.		
рН	: 4.5 Note: saturated aqueous solut	tion	
	: 464 °F (240 °C)		
Melting point/range	Note: Decomposes		

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Vapour pressure	: Note: not applicable	
Density	: 0.90 - 0.96 g/cm3	
Water solubility	: 250 g/l	
Partition coefficient: n- octanol/water	: Note: Not Available	
Relative vapour density	: Note: not applicable	
CTION 10. STABILITY AND F	REACTIVITY	
Conditions to avoid	: Remarks: Moisture/high humidity. Poor ventilation.	
	High temperatures. Contamination	
Materials to avoid	: Remarks: Avoid contact with water on concentrated material in the container. Avoid contact with easily oxidizable material; ammonia, urea, or similar nitrogen containing compounds; inorganic reducing compounds; floor sweeping compounds; calcium hypochlorite; other swimming pool/spa chemicals in their concentrated form; alkalis. Avoid contact with all other chemicals.	
Hazardous decomposition products	: Note: Halogen containing gases Carbon oxides	
Hazardous reactions	: Hazardous polymerisation does not occur.	
CTION 11. TOXICOLOGICAL	. INFORMATION	
Acute inhalation toxicity Sodium Dichloro-S- Triazinetrione	: LC50: 0.27 - 1.17 mg/l Exposure time: 4 h Species: rat	
Skin irritation	 Remarks: Causes skin burns. Direct contact with wet material or moist skin may cause severe irritation, pain and possibly burns. 	
Eye irritation	: Remarks: Causes serious eye damage.	
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ECOLOGICAL INFORMATIC	ology	

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Additional ecological	: Toxic to aquatic organisms.
information	Toxic to fish.
	Do not discharge effluent containing this product into lakes,
	streams, ponds or estuaries, oceans, or other waters unless in
	accordance with the requirements of a National Pollutant Discharge Elimination System (NPDES) permit and the permitting
	authority has been notified in writing prior to discharge. Do not
	discharge effluent containing this product to sewer systems
	without previously notifying the local sewage treatment plant
	authority. For guidance contact your State Water Board or
	Regional Office of the EPA.
CTION 13. DISPOSAL CONSID	ERATIONS
Further information	: Dispose of waste material in compliance with all federal, state, and
	local regulations. Contact with incompatible materials could cause a reaction or fire.
	If these wastes cannot be disposed of by use according to label
	instructions, contact your Environmental Control Agency or the
	Hazardous Waste Representative at the nearest EPA Regional
	Office for guidance. For registered pesticides, contact your State
	Pesticide Agency.
	Do not contaminate ponds, waterways or ditches with chemical or
	used container.
	Do not put product, spilled product, or filled or partially filled
	containers into the trash or waste compactor. Improper disposal of excess product, spray mixture or rinsate is a
	violation of Federal Law.
Contaminated packaging	: Do not re-use empty containers.
	Rinse thoroughly before discarding in trash.
	Offer rinsed packaging material to local recycling facilities.
CTION 14. TRANSPORT INFOR	RMATION
DOT	
UN-Number	÷ 1759
Description of the goods	Corrosive solids, n.o.s.
	: (SODIUM DICHLORO-S-TRIAZINETRIONE)
Class	: 8
Packing group	: 11
ERG Code	: 154
<u>IATA</u> UN-Number	: 1759
	Corrosive solid, n.o.s.
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Class Packing group	(SODIUM DICHLORO-S-TRIAZINETRIONE) 8 111
IMDG UN-Number Description of the goods Class Packing group EmS Letter 1 EmS Letter 2	 1759 CORROSIVE SOLID, N.O.S. (SODIUM DICHLORO-S-TRIAZINETRIONE) 8 III F-A S-B
Marine pollutant	¹ yes SODIUM DICHLORO-S-TRIAZINETRIONE
Not recommended for s Limited Quantity exemp ORM-D Consumer Com	tion possible modity exemption possible
Limited Quantity exemp ORM-D Consumer Com	tion possible modity exemption possible
Limited Quantity exemp ORM-D Consumer Com	tion possible modity exemption possible FORMATION : This material is hazardous under the criteria of the Federal OSHA Hazard
Limited Quantity exemp ORM-D Consumer Com CTION 15. REGULATORY IN OSHA Hazards SARA 311/312 Hazards	tion possible modity exemption possible FORMATION : This material is hazardous under the criteria of the Federal OSHA Hazard Communication Standard 29CFR 1910.1200. : Acute Health Hazard
Limited Quantity exemp ORM-D Consumer Com CTION 15. REGULATORY IN OSHA Hazards SARA 311/312 Hazards	 tion possible modity exemption possible FORMATION This material is hazardous under the criteria of the Federal OSHA Hazard Communication Standard 29CFR 1910.1200. Acute Health Hazard Reactivity Hazard oduct are reported in the following inventories:
Limited Quantity exemp ORM-D Consumer Com CTION 15. REGULATORY IN OSHA Hazards SARA 311/312 Hazards The components of this pr EINECS	 tion possible modity exemption possible FORMATION This material is hazardous under the criteria of the Federal OSHA Hazard Communication Standard 29CFR 1910.1200. Acute Health Hazard Reactivity Hazard oduct are reported in the following inventories: On the inventory, or in compliance with the inventory
Limited Quantity exemp ORM-D Consumer Com CTION 15. REGULATORY IN OSHA Hazards SARA 311/312 Hazards The components of this pr EINECS TSCA	tion possible imodity exemption possible FORMATION : This material is hazardous under the criteria of the Federal OSHA Hazard Communication Standard 29CFR 1910.1200. : Acute Health Hazard Reactivity Hazard oduct are reported in the following inventories: On the inventory, or in compliance with the inventory On TSCA Inventory
Limited Quantity exemp ORM-D Consumer Com CTION 15. REGULATORY IN OSHA Hazards SARA 311/312 Hazards SARA 311/312 Hazards The components of this pr EINECS TSCA AICS	 tion possible modity exemption possible FORMATION This material is hazardous under the criteria of the Federal OSHA Hazard Communication Standard 29CFR 1910.1200. Acute Health Hazard Reactivity Hazard oduct are reported in the following inventories: On the inventory, or in compliance with the inventory On TSCA Inventory On the inventory, or in compliance with the inventory

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KECI	On the inventory, or in compliance with the inventory		
PICCS	On the inventory, or in compliance with the inventory		
IECSC	On the inventory, or in compliance with the inventory		
SECTION 16. OTHER INFORI Further information HMIS Classification	MATION : Health hazard: 3 Flammability: 0 Physical hazards: 1 PPI:Ask supervisor or safety specialist for handling instruct	ctions	
NFPA Classification	: Health hazard: 3 Fire Hazard: 0 Reactivity Hazard: 1 Specific hazards: OX Class 2 Oxidizer.		

Other Emergency Phone Number

Latin America:	Brazil	+52 113 711 91 44
	All other countries	+44 (0)208 762 8322
Mexico:		+52 555 004 87 63

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.