BEFORE THE UNITED STATES
ENVIRONMENTAL PROTECTION AGENCY
REGION 4

IN THE MATTER OF:	)	
	)	IF&R No. 04-98F040-C
Bio-Lab, Inc.,	)	
Respondent.	)	CONSENT AGREEMENT
	)	AND
	)	CONSENT ORDER

CONSENT AGREEMENT AND CONSENT ORDER

This administrative proceeding for the assessment of a civil penalty was initiated pursuant to Section 14(a) of the Federal Insecticide, Fungicide, and Rodenticide Act (hereinafter FIFRA), 7 U.S.C. § 136*l*(a). The action was instituted by a Complaint and Notice of Opportunity for Hearing, Docket No. IF&R 04-98F040-C, which was filed simultaneously with this Consent Agreement and Consent Order (CACO). This CACO is the result of negotiations between the parties to settle the allegations contained in said Complaint. The parties hereby agree as follows:

CONSENT AGREEMENT

1. Respondent BioLab, Inc., (hereinafter Respondent) admits the jurisdictional allegations contained in the Complaint.

2. Respondent neither admits nor denies the specific factual allegations alleged in the Complaint.

3. In its Answer to the Complaint, Respondent denies the violations of FIFRA alleged in the Complaint.

4. Respondent hereby expressly waives any right to a hearing in this action on the specific matters alleged in the Complaint.

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5. Complainant, U.S. Environmental Protection Agency (hereinafter "Complainant" or "U.S. EPA"), alleges the possible presence of unregistered products in the channels of trade and under the control of Respondent, and Respondent, without admitting such allegations, has agreed to and shall take the actions to register these products with the U.S. EPA as set forth below:

A. Respondent shall submit to U.S. EPA, Antimicrobial Division, within 90 days from the filing of this CACO (the "Filing Date"), registration applications covering the products that were subject to the Stop Sale, Use and Removal Orders of April 27, 1998 ("Shock Plus 4-in-1 Pool Shock" and "BioGuard Lite Oxidizing Clarifier"), as well as the products containing the same basic formulation as Shock Plus and BioGuard Lite sold under the names, "Synergy Clear", "Simplicity Clear", "Snap Clear", "SpaGuard Enhanced Shock" and "Bermuda Blue Enhancer" (hereinafter collectively, the "Affected Products"). Each registration application will contain:

1) All materials that are specified in the application for registration package which the U.S. EPA provides to prospective pesticide applicants. The list of application materials that comprise that package and that are to be submitted in connection with each registration application is attached to this CACO as Appendix A.

2) Product chemistry data as specified in subpart C of Part 158 of 40 C.F.R. and formatted according to PR Notice 86-5.

3) Six acute toxicity studies as specified in subpart D of Part 158 of 40 C.F.R. and formatted according to PR Notice 86-5. Respondent may submit one set of acute toxicity studies for the formulation of the Affected Products that contains 0.15% blue dye to support all product registration application submittals referenced in this Consent Agreement, so long as the Confidential Statements of Formulation submitted for the products to support registration are the same as those previously supplied to U.S. EPA in support of Respondent's request that it be permitted to conduct one representative set of six acute toxicity studies. U.S. EPA may request additional information regarding the blue dye.

B. The requirement, if any, for efficacy data will be determined based on the claims made for a particular Affected Product as part of the registration application. Depending upon the claims that Respondent seeks, different types of data may be required. For example, should Respondent include any sanitizer or disinfectant claims, efficacy data would be required to be submitted with the application. Efficacy data for products with only non-public health claims, such as

algicides, would be required to be retained by the Respondent and submitted to the Agency upon request as per the regulations in 40 C.F.R. Part 158. Respondent must also demonstrate that it is using a registered source product which itself is in compliance with applicable data requirements, or identify its source and provide appropriate supporting generic data.

C. U.S. EPA will complete review of each complete registration application for the Affected Products and accompanying data according to the applicable review time period under FIFRA, unless U.S. EPA and Respondent agree to an alternative schedule.

D. Respondent will correct any deficiencies with each application within a reasonable time. If more than 30 days are required to correct any deficiency(ies), or to submit additional required information or data, Respondent and U.S. EPA will agree to a reasonable alternate review time period to accommodate any such deficiencies, or for the submission of additional information or data and their correction or review, as applicable.

E. Respondent shall submit all information, data, notices and reports required pursuant to the pesticide registration process and the provisions of this section to Mr. Robert Brennis at the address indicated below:

Mr. Robert Brennis
Mail Stop 7504C
Antimicrobial Division
U.S. EPA
PM-32
401 M Street, SW
Washington, D.C. 20460

6. Subject to Paragraph 7 of this Consent Agreement, Respondent agrees to perform the following activities in accordance with the schedules set forth within:

A. Product Status Information Through Placarding/Labeling

1) Placards: Respondent will cause the agreed-upon placards in Appendix B to this CACO for Shock Plus and use reasonable efforts to cause the agreed-upon placards in Appendix B for BioGuard Lite, to be placed on all pallet and on all shelf displays for the products in the approximately 5,000 retail stores that sell them as follows:

a) On or before September 4, 1998, Respondent shall have installed placards in all of the retail stores that sell "Shock Plus," and shall have used reasonable efforts to have the placards installed in all of the retail stores that sell "BioGuard Lite."

b) Respondent shall use reasonable efforts to maintain the placards in place at the affected retail sales establishments. Upon receipt by Respondent of notice of removal of a placard

for Shock Plus, Respondent will replace any such placard within a reasonable period of time. Likewise, upon receipt by Respondent of notice of removal of a placard for BioGuard Lite, Respondent shall use reasonable efforts to have the placards replaced within a reasonable period of time. Once the stock at any such establishment is comprised only of unregistered product bearing the agreed-upon label as set forth in paragraphs 6A2 and 6A3 below, Respondent will then be released from the obligation to maintain or replace placards for Shock Plus, and to use reasonable efforts to maintain or have placards replaced for BioGuard Lite, but shall not instruct its dealers, distributors or agents to remove the placards.

2) Placing Labels on BioGuard Lite:

On or before July 13, 1998, Respondent shall have commenced and thereafter shall continue labeling all newly produced BioGuard Lite produced by Respondent on or after that date using the agreed-upon label for the product set forth in Appendix C.

3) Placing Labels on Shock Plus:

On or before July 31, 1998, Respondent shall have commenced and thereafter shall continue labeling all one-pound bags of Shock Plus newly produced by Respondent on or after that date using the agreed-upon label for the product set forth in Appendix D.

B. Placarding/Labeling for Additional Affected Products

1) Placarding of SpaGuard: Respondent will use reasonable efforts to cause the agreed-upon placards for SpaGuard Enhanced Shock set forth in Appendix E to be placed in all pallet and shelf displays for the products in all retail stores that sell them, as follows:

a) On or before September 1, 1998, Respondent shall use reasonable efforts to have the placards installed in at least 70% of the retail stores that sell SpaGuard Enhanced Shock.

b) On or before September 18, 1998, Respondent shall use reasonable efforts to have the placards installed in at least 90% of the retail stores that sell SpaGuard Enhanced Shock.

c) On or before October 10, 1998, Respondent shall use reasonable efforts to have the placards installed in the remainder of the

retail stores that sell SpaGuard Enhanced Shock.

d) Respondent shall use reasonable efforts to maintain the placards in place at the affected retail sales establishments and, upon receipt by Respondent of notice of removal of a placard, will use reasonable efforts to have any such placard replaced within a reasonable period of time. Once the stock at any such establishment is comprised only of unregistered product bearing the agreed-upon label as set forth in paragraph 6B2 below, Respondent will then be released from the obligation to use reasonable efforts to maintain or have the placards replaced, but shall not instruct its dealers, distributors or agents to remove the placards.

2) Labeling of SpaGuard: Respondent shall place the agreed-upon labels for SpaGuard Enhanced Shock set forth in Appendix F on such products, as follows:

a) On or before August 18, 1998, Respondent shall label all new production of two-pound bottles of SpaGuard Enhanced Shock undertaken by Respondent on or after that date using the agreed-upon label for the product.

b) On or before September 5, 1998, Respondent shall commence labeling of all 1.5 ounce bags of SpaGuard Enhanced Shock produced by Respondent on or after that date using the agreed-upon label for the product.

3) Placarding of the Clear Products:

Respondent will use reasonable efforts to have the agreed-upon placards for the products "Synergy Clear," "Simplicity Clear" and "Snap Clear" (the Clear Products) set forth in Appendix G placed and maintained in all pallet and shelf displays for the products in all retail stores that sell them, as follows:

a) On or before September 1, 1998, Respondent will provide each and every one of Respondent's distributors of the Clear Products: (a) an ample supply of the agreed-upon placards, and (b) written instructions for the distributor to have each retail customer of the distributor that sells a Clear Product promptly install and maintain the placards next to every pallet or shelf display of the products in the retail customer's establishment(s).

b) Respondent shall use reasonable efforts to

(i) have its distributors ensure that the placards are maintained in place at all affected retail sales establishments and (ii) have its distributors, upon receipt by the distributor of notice of removal of a placard, to replace the placard within a reasonable period of time. Once the stock at any such establishment is comprised only of unregistered product bearing the agreed-upon label as set forth in paragraph 6B4 below, Respondent will then be released from the obligation to use reasonable efforts to have its distributors maintain and replace the placards, but shall not instruct its distributors, dealers or agents to remove the placards.

4) Labeling of the Clear Products:
On or before August 18, 1998, Respondent shall label all new production of the Clear Products undertaken by Respondent on or after that date, using the agreed-upon label for the product set forth in Appendix H.

5) Placarding of Bermuda Blue Enhancer:
Respondent will use reasonable efforts to cause the agreed-upon placards for Bermuda Blue Enhancer set

forth in Appendix I to be placed in all pallet and shelf displays for the products in all retail stores that sell them, as follows:

a) On or before August 18, 1998, Respondent shall use reasonable efforts to have the placards installed in at least 70% of the retail stores that sell Bermuda Blue Enhancer.

b) On or before September 18, 1998, Respondent shall use reasonable efforts to have the placards installed in at least 90% of retail stores that sell Bermuda Blue Enhancer.

c) On or before October 10, 1998, Respondent shall use reasonable efforts to have the placards installed in the remainder of the retail stores that sell Bermuda Blue Enhancer.

d) Respondent shall use reasonable efforts to maintain the placards in place at the affected retail sales establishments and, upon receipt by Respondent of notice of removal of a placard, will use reasonable efforts to have any such placard replaced within a reasonable period of time. Once the stock at any such establishment is composed only of unregistered product bearing the agreed-upon label as set forth in paragraph 6B6 below, Respondent will

then be released from the obligation to use reasonable efforts to maintain or have the placards replaced, but shall not instruct its dealers, distributors or agents to remove the placards.

6) Labeling of Bermuda Blue Enhancer: On or before August 18, 1998, Respondent shall label all new production of Bermuda Blue Enhancer undertaken by Respondent on or after that date, using the agreed-upon label for the product as set forth in Appendix J.

C. Internet Information

1) Within seven days after the filing of this CACO, Respondent shall add the following language to its Internet world-wide web access site, and any affected subordinate or linked pages or sites, with respect to all web pages which reference any of the Affected Products: " [name of product] has not been accepted by U.S. EPA for use as a disinfectant, sanitizer, or algicide."

2) Within seven days after the Filing Date, Respondent shall remove or correct the language identified in the web site pages presented in Appendix K, as indicated therein, in light of Complainant's allegation that the language states

or implies that the Affected Products are pesticides. Where Appendix K indicates that Respondent will submit substitute language for language that is to be removed, Respondent shall submit such language to U.S. EPA within 30 days after the Filing Date, and U.S. EPA shall review such language in accordance with the procedures set forth in paragraph 6C4.

3) Respondent will use reasonable efforts to add the language set forth in paragraph 6C1 to the web sites of its customers whose web sites reference any Affected Product and to have removed or corrected from such customers' web sites the language set forth in Appendix K to the extent such language is contained in such web sites.

4) Should Respondent decide that it wishes to include on its web site(s) after the Filing Date additional or different language from that in existence immediately prior to the Filing Date pertaining to the Affected Products, Respondent shall first submit the additional or different language to U.S. EPA. U.S. EPA will use its reasonable efforts to complete within fourteen (14) working days the review of such submission, and then either approve or disapprove the additional or

different language. Any disapproval of such additional or different language shall be based on the U.S. EPA's determination that the additional or different language makes express or implied pesticidal claims. If U.S. EPA fails to decide on the proposed additional or different language within 14 working days, Respondent shall be permitted to include such additional or different language on its web site until receipt of notification from U.S. EPA of its decision to approve or disapprove said language. Within seven working days of receipt from U.S. EPA of its written disapproval of the additional or different language, Respondent shall remove said language. Unless otherwise agreed by the parties in writing, such notice shall be provided to Mr. Kirk Mitchell, Vice President, Technology and Development, BioLab Inc., P.O. Box 1489, Decatur, GA 30031-1489.

D. Marketing and Advertising Information

1) Any sales brochures, advertisements, and any other marketing information which as of the Filing Date is in the possession or control of Respondent or any of Respondent's agents and is yet to be sent out into the channels of trade, and which contains any information concerning or referring to any of

the Affected Products, shall, before the material is sent out into the channels of trade, be stickered (with respect to written material) with, or modified (with respect to radio, television or other non-written material) to include, the following language: "[name of product] has not been accepted by U.S. EPA for use as a disinfectant, sanitizer, or algicide."

2) With respect to any sales brochures, advertisements and other marketing information undertaken by Respondent after the Filing Date, Respondent shall also add the approved language of paragraph 6D1.

3) Should Respondent decide that it wishes to include additional or different language from that in existence immediately prior to the Filing Date in any brochures, advertisements or other marketing information undertaken by Respondent after the Filing Date, Respondent shall first submit such additional or different language to U.S. EPA. U.S. EPA will use its reasonable efforts to complete within fourteen (14) working days the review of such submission and then either approve or disapprove the additional or different language. Any disapproval of such additional or different

language shall be based on the U.S. EPA's determination that the additional or different language makes express or implied pesticidal claims. If U.S. EPA fails to decide on the proposed additional or different language within 14 working days, Respondent shall be permitted to include such additional or different language in any brochures and advertisements or other marketing information until receipt of notification from U.S. EPA of its decision to approve or disapprove said language. Within seven working days of receipt from U.S. EPA of its written disapproval of the additional or different language, Respondent shall remove said language. Unless otherwise agreed by the parties in writing, such notice shall be provided to Mr. Kirk Mitchell at the address listed in paragraph 6C4 above.

4) Respondent will use reasonable efforts to have its customers include the approved language set forth in paragraph 6D1 in any brochures, advertisements. and other marketing material referencing any of the Affected Products.

E. In the event that U.S. EPA approves Respondent's application for registration of Shock Plus, Respondent shall cause the removal of placards for Shock Plus from all

establishments in which Respondent installed them pursuant to paragraph 6A1, provided that the establishment has first replaced part or all of its stock with the registered version of Shock Plus. Likewise, in the event that U.S. EPA approves Respondent's application for registration of any of the other Affected Products, Respondent shall use reasonable efforts to have the placards for such Affected Product removed from all establishments in which they were installed pursuant to paragraphs 6A1, 6B1, 6B3, and/or 6B5, provided that the establishment has replaced part or all of its stock with the registered version of the Affected Product.

F. Reporting Requirements

1) Notice of all activities which must be reported to EPA for review or approval, as indicated in paragraphs 6A-E above and 6F2 and 6F3 below shall be provided in duplicate to Ms. Cheryn Jones and Mr. Philip J. Ross at the following addresses, via regular mail:

Ms. Cheryn Jones
Pesticides Section
U.S. EPA - Region 4
61 Forsyth Street, S.W.
Atlanta, Georgia 30303

Mr. Philip J. Ross
U.S. Environmental Protection Agency
Office of General Counsel
Mail Code 2333, 511E West Tower
401 M Street, S.W.
Washington, D.C. 20460

2) Respondent shall report on the progress of all activities required to be performed under paragraphs 6A-E within 30 days of the filing of this CACO. Such report shall contain the following information: (a) with respect to all Affected Products except the Clear Products, the locations of marketplace establishments in which placards have been installed by Respondent or provided by Respondent to the retailer for installation, as well as the locations of establishments which do not yet have the placards installed by Respondent or provided by Respondent to retailers for installation, and the schedule for completion of this activity; (b) with respect to the Clear Products, the name and address of every distributor of any Clear Product that has received the materials set forth in paragraph 6B3a, as well as the name and address of every distributor of any Clear Product that has not received said materials; (c) with respect to all Affected Products, the status of all other activities required pursuant to paragraphs 6A-E of this CACO; and (d) such other relevant information that Complainant may request pertaining to the activities required pursuant to paragraphs 6A-E of this CACO.

3) Respondent shall continue to submit progress reports at 30 day intervals through the running of this CACO. Respondent shall continue to report on the progress of the projects for the Affected Products until such time as U.S. EPA informs Respondent that such status reports are no longer necessary or that Respondent has fulfilled its obligations under this CACO. Within 30 days of the registration by U.S. EPA of any Affected Product, Respondent shall submit a progress report describing the schedule for cessation of sales of such unregistered Affected Product (as detailed in paragraph 7, below), the amount of remaining inventory of such Affected Product in Respondent's possession or control, and the schedule for removing (in the case of Shock Plus), or using reasonable efforts to cause the removal of (in the case of other Affected Products), placards for such Affected Product.

7. Respondent agrees, upon receipt of written notification from U.S. EPA that U.S. EPA has granted registration of an Affected Product, to stop selling or distributing any unregistered containers of the Affected Product under the control of Respondent, except that Complainant agrees to allow Respondent to sell or distribute stocks of the Affected Product existing as of

30 days after the date of receipt of notification of registration. Existing stocks are those Affected Products for which all steps of formulation, packaging and labeling have been completed, but which have not been released for shipment from the producing establishment. Complainant will allow Respondent to sell or distribute such existing stocks of Affected Products, subject to the applicable requirements of paragraphs 6A-E above, until such stocks are exhausted, or for 90 days following receipt by Respondent of notice from U.S. EPA that the Affected Product has been accepted for registration, whichever period of time is shorter. Should U.S. EPA notify Respondent in writing of a final Agency decision not to accept the application for registration of an Affected Product for any reason, including because U.S. EPA has concluded that any part or all of the application for registration of an Affected Product is deficient and Respondent has failed to correct the deficiency(ies) within such time period as may be established pursuant to paragraphs 5C and 5D above, then, after the exhaustion by Respondent of any available administrative and judicial appeal of said final decision, none of the provisions of paragraphs 6A-E, and none of the provisions of this paragraph or of the rest of the CACO authorizing any continued sale or distribution of new or existing stocks of the Affected Product shall apply to that Affected Product, and both parties shall retain all the authorities and defenses that they possessed prior to the effective date of this CACO with respect to any subsequent

sale or distribution of the Affected Product. In order for the provisions of this CACO identified in the previous sentence to remain in effect pending exhaustion by Respondent of any available judicial appeal of an Agency decision to deny registration of an Affected Product, Respondent must file its judicial appeal within 60 days of the filing of said Agency decision, or within 60 days of the filing of a final Agency order denying Respondent's administrative appeal of said decision, whichever occurs later.

8. Respondent consents to the payment of a civil penalty of Three hundred nineteen thousand dollars ($319,000.00) to Complainant, in settlement of the violations of FIFRA alleged in the Complaint. The Respondent shall pay to the Treasurer, United States of America, by certified or cashier's checks, the total amount of $327,200.00, which includes interest, in accordance with the schedule set forth below:

DATE	AMOUNT
30 Days from entry of CACO	$100,000.00
180 Days from entry of CACO	$113,600.00
365 Days from entry of CACO	$113,600.00

9. In the event that Respondent fails to comply with any term of this Consent Agreement other than the miscellaneous registration provisions of paragraphs 5B-E, Respondent agrees to pay stipulated penalties to Complainant as specified and under the conditions set forth in paragraph 5 of the Consent Order.

10. Respondent represents by its signature below that it will meet all the requirements of this Consent Agreement, or where such standard is noted, shall exercise reasonable efforts. Where any Consent Agreement requirement refers to a past accomplishment date, Respondent represents by its signature that it has met such requirement(s).

11. Complainant agrees not to issue any additional Stop Sale, Use or Removal Orders, or assess any administrative penalties other than those specified in this CACO, against Respondent for sale or distribution of the Affected Products, so long as Respondent complies with and does not materially breach the terms of this CACO. If Respondent should fail so to comply with any term of this CACO, including but not limited to making revisions to any of the labels of the Affected Products subject to this CACO without the prior review and approval of U.S. EPA, Complainant reserves the right to utilize any and all enforcement authorities conveyed to Complainant under FIFRA. Likewise, once there has been a final action by U.S. EPA concerning the registration of any of the Affected Products, and Respondent has exhausted any available administrative and judicial appeals of said action, Complainant reserves the right, subject to the terms of this CACO, to utilize any and all authorities conveyed to Complainant under FIFRA with respect to the acts or omissions of Respondent pertaining to said Affected Product occurring after receipt by Respondent of such final action by U.S. EPA, and

exhaustion by Respondent of any available administrative and judicial appeals of said action. Respondent reserves all of its defenses in connection therewith.

12. Complainant and Respondent, desiring to terminate these proceedings without further litigation, have agreed to resolve these matters without resorting to a hearing. Therefore, Complainant and Respondent have each consented to the making and entry of this Consent Agreement and Consent Order.

CONSENT ORDER

NOW, pursuant to the authority of Section 14(a) of FIFRA, 7 U.S.C. § 136*l*(a), upon information contained in the Consent Agreement, and after taking into account the gravity of the alleged violations, it is hereby ordered and adjudged as follows:

1. This Agency has jurisdiction of the subject matter of these administrative proceedings.

2. Respondent shall take action to apply for registration of the Affected Products and shall take action to register the Affected Products in accordance with the schedule set forth in paragraph 5 of the Consent Agreement, and in accordance with the FIFRA regulations promulgated at 40 C.F.R. Part 150 *et seq.*, and with the Federal Insecticide, Fungicide, and Rodenticide Act, 7 U.S.C. § 136 *et seq.*

3. Respondent shall comply with the schedules and requirements in paragraphs 5, 6 and 7 of the Consent Agreement.

4. The Respondent shall pay to the Treasurer, United States of America, by cashier's checks, a total amount of Three hundred twenty-seven thousand two hundred dollars ($327,200.00) pursuant to the schedule described in paragraph 8 of the Consent Agreement. The checks shall be mailed to the following lockbox address:

U.S. EPA, Region 4
(Regional Hearing Clerk)
Post Office Box 100142
Atlanta, Georgia 30384

5. Stipulated Penalties

A. Respondent acknowledges that failure to comply with any term of this CACO other than the miscellaneous registration provisions of paragraph 5B-E of the Consent Agreement and those portions of paragraphs 2 and 3 of the Consent Order incorporating such provisions, except as noted below in paragraph 5B, will result in stipulated penalties and interest due to Complainant according to the following rate schedule:

Compliance Delay	Stipulated Penalty
1- 30 days	$1,000 per day
31 - 60 days	$2,000 per day
Over 60 days	$10,000 per day

B. Respondent also acknowledges that failure to comply with paragraphs 6A1, 6B1, 6B3 or 6B5 of the Consent Agreement, or failure to comply with the terms or actions required under paragraph 6F of the Consent Agreement, will result in

stipulated penalties and interest due to Complainant according to the following rate schedule:

Compliance Delay	Stipulated Penalty
1- 30 days	$100 per day
31 - 60 days	$500 per day
Over 60 days	$1,000 per day

C. It shall be a defense in any proceeding to enforce the stipulated penalties specified in paragraph 5A and 5B that the action(s) or omission(s) at issue constituted an isolated, unintentional failure to comply in which Respondent acted in good faith and has acted promptly to mitigate the violation upon notice or knowledge thereof, it being understood, however, that BioLab shall bear the burden of establishing the defense by a preponderance of the evidence provided. The parties recognize that any shipment, however limited, of an Affected Product that is not properly labeled as provided in paragraphs 6A2, 6A3, 6B2, 6B4, or 6B6 (as applicable), would constitute a violation for which stipulated penalties would apply, unless Complainant, in its discretion, chose to waive or reduce the penalties in light of extenuating or mitigating circumstances.

D. Complainant shall provide notice to Respondent of any failure by Respondent to comply with this CACO promptly upon Complainant first becoming aware of such noncompliance. No stipulated penalties for noncompliance shall be assessed

against Respondent for the period between the date Complainant first becomes aware of such noncompliance and receipt by Respondent of notice from Complainant of such noncompliance.

E. Any notice, written or otherwise, required under paragraph 5D of this Consent Order to be submitted to Respondent shall be sent to either of the following individuals:

Mr. Kirk Mitchell
Vice President, Technology & Development
BioLab, Inc.
P.O. Box 1489
Decatur, Georgia 30031-1489
Telephone: 404-378-1753

James P. Rathvon, Esquire
Piper & Marbury, L.L.P.
1200 Nineteenth Street, N.W.
Washington, D.C. 20036-2430
Telephone: 202-861-3848

F. Pursuant to Section 11 of the Debt Collection Act of 1982, 31 U.S.C. § 3717, the interest rate assessed will be based on the current value of funds to the United States Treasury at the time this Order is issued, and such rate will remain in effect until full payment is received. In addition, an administrative handling charge of $15.00 will be assessed if payment is not received by the due date, with an additional charge of $15.00 for each subsequent 30-day period. A six percent per annum late payment penalty will

also be applied on any principal amount not paid within 90 days of the due date.

6. Respondent also acknowledges that failure to pay the full amount due, together with any accrued interest, administrative handling charges, and late payment penalties, may result in further action by the Complainant. Such action may include referral of this matter to a credit reporting agency, a collection agency, and/or the United States Attorney for commencement of a civil action in the United States District Court. (*See*, Section 14(a) of FIFRA, 7 U.S.C. § 136*l*(a), and 40 C.F.R. Part 13).

7. Any material violation of the terms of this CACO by Respondent may subject Respondent to additional enforcement action pursuant to FIFRA. Such action may include, but is not limited to, the issuance of a Stop Sale, Use or Removal Order pursuant to Section 13 of FIFRA, 7 U.S.C. § 136k, or an administrative penalty action pursuant to Section 14 of FIFRA, 7 U.S.C. § 136*l*.

8. The terms of this CACO shall be binding upon Respondent and its directors, officers, employees, agents, successors and assigns. The undersigned representative of each party to this CACO certifies that he or she is duly authorized by the party whom he or she represents to enter into the terms of this CACO and to bind that party.

9. This CACO resolves and discharges Respondent, its directors, officers, employees and agents from all civil liability

arising from only those violations alleged in the Complaint, and those violations that could have been alleged in the Complaint with respect to the Affected Products under the civil enforcement provisions of FIFRA through the filing date of this CACO, as well as with respect to sales and distribution of Affected Products that may be authorized under this CACO. This CACO shall not otherwise affect any liability of Respondent to the United States, nor does it have any bearing on any future bases for liability that may arise. Except as provided above, U.S. EPA does not waive any right to bring an enforcement action against Respondent for violation of any federal statute, regulation or permit.

10. For purposes of state and federal income taxation, Respondent's payment shall be deemed a civil penalty payment.

11. Each party shall bear its own costs and attorney's fees in connection with these actions.

12. This CACO shall terminate when (a) Respondent has paid the full penalty in accordance with the schedule in paragraph 8 of the Consent Agreement; (b) Respondent has complied with all the terms of Paragraphs 5, 6 and 7 of the Consent Agreement; (c) final U.S. EPA action has been taken on Respondent's registration applications for Affected Products and Respondent has exhausted any available administrative and judicial appeals of any denial of registration; and (d) Respondent has paid all stipulated penalties and late fees that may be due in accordance with paragraph 5 of the Consent Order.

CONSENTED TO:

ENVIRONMENTAL PROTECTION AGENCY, Complainant

BY: Winston A. Smith
Winston A. Smith, Director
Air, Pesticides and Toxics
Management Division

DATE: SEP 14 1998

Bio-Lab, Inc., Respondent

BY: Larry K Bloom
Larry Bloom
President
Bio-Lab, Inc.

DATE: 9/9/98

APPROVED AND SO ORDERED:

John H. Hankinson, Jr.
Regional Administrator
Environmental Protection Agency
Region 4

DATE: 9/14/98

Attachment: Appendix A-K

A

ALL-STATE LEGAL 800 222-0510 FORM RECYCLED

APPENDIX A

Materials to be Included in Each BioLab Application for Registration of the Affected Products in Addition to Required Data

Cover Letter
Application (EPA Form 8570-1)
Confidential Statement of Formula (EPA Form 8570-4)
Formulator's Exemption Statement (EPA Form 8570-27)
Certification of Child Proof Packaging
Five Copies of Draft Label

B

ALL-STATE LEGAL 800-222-0510 EDS11 RECYCLED

• BioGuard Lite™ Placard

BioGuard Lite™ has not been accepted by the U.S. EPA for use as a disinfectant, sanitizer or algicide.

JUN 22 1993

• Shock Plus™ Placard

Shock Plus™ has not been accepted by the U.S. EPA for use as a disinfectant, sanitizer or algicide.

C

ALL STATE LEGAL 800 222 0510 (DS11 RECYCLED

BioGuard®

OXIDIZER

Lite™

STEP 2

Once-a-week oxidizing clarifier for sparkling water.

ONCE-A-WEEK PREMIUM APPLICATION

This product has not been accepted by the U.S. EPA for use as a disinfectant, sanitizer or algicide.

KEEP OUT OF REACH OF CHILDREN

DANGER **(See back panel for additional precautionary statements.)**

FIRST AID: ***If in eyes:*** *Hold eyelids open and flush with a steady, gentle stream* of water for 15 minutes. Get medical attention. **If on skin:** Wash with plenty of soap and water. Get medical attention if irritation persists. **If inhaled:** Remove victim to fresh air. If not breathing, give artificial respiration, preferably mouth to mouth. Get medical attention. **If swallowed:** Drink large amounts of water. Do not induce vomiting. Avoid alcohol. Never give anything by mouth to an unconscious person. Call a physician or poison control center. **NOTE TO PHYSICIAN:** Probable mucosal damage may contraindicate the use of gastric lavage.
IN CASE OF MEDICAL EMERGENCY CALL **1-303-623-5716.**

MANUFACTURED BY: **BIO-LAB, INC., Decatur, Georgia 30031 USA**

NET WEIGHT: 2 Lbs. (.91 Kg)

This product is specially formulated to eliminate eye irritating chloramines, musty odors, correct most cloudy conditions and restore pool water sparkle. Special agents aid the filter in removing small suspended particles to further enhance water clarity.

This product dissolves quickly and completely. (Under cold water conditions, brush after application to speed dissolving. Do not allow undissolved material to lie in contact with bleachable surfaces such as vinyl or paint.) No premixing is required and no undissolved solids remain. May be used with chlorine, ozone and ionization systems. It is formulated for use with all types of pool surfaces. DO NOT use in pools sanitized with biguanides.

DIRECTIONS FOR USE: Read entire label before applying product and use strictly in accordance with directions and hazard warnings.

With the pump in operation; apply the entire treatment dosage at one time. Broadcast evenly around edges with special attention to areas of the pool where water circulation is the poorest. Apply directly to pool water only. Do not add through a skimmer or any automatic dispensing device. This product is pH neutral and usage will not upset pool water balance.

For best results, test and adjust pool water pH to 7.2-7.6 prior to application. Apply product when pool is not in use. Swimming may resume in 15 minutes.

ROUTINE MAINTENANCE: To maintain a sparkling clear fresh pool, add one pound of product for up to 12,000 gallons of water each week.

ADDITIONAL TREATMENTS: Additional applications may be required after periods of extremely heavy pool usage, significant rainfall or the appearance of cloudy water. Apply additional treatments at the rate of one pound of product for up to 12,000 gallons.

OFF SEASON MAINTENANCE: Heated pools which are kept circulating during the winter season require less frequent additions. Apply product approximately once each month at the rate of one pound of product for up to 12,000 gallons.

STORAGE: Keep this product dry in original tightly closed container until use. Store in a cool, dry, well ventilated area away from heat or open flame. Do not reuse container, but place in trash collection. Rinse thoroughly before discarding in trash.

HAZARD WARNINGS: Contains chlorinated isocyanurates.

DANGER: Corrosive. Causes irreversible eye damage. Harmful if swallowed. Do not get in eyes, on skin or on clothing. Wear safety glasses or protective goggles and rubber gloves when handling this product. Harmful if inhaled. Avoid breathing dust. Remove and wash contaminated clothing before use. This product contains OXIDIZING AGENTS. Do not mix with other chemicals. Never add water to this product. Always broadcast directly into the pool. Contamination of this product may start a chemical reaction and generate heat, hazardous gas, possible fire and explosion. In case of contamination or decomposition, do not reseal container. Isolate container in open air or well ventilated area. Flood area with large volumes of water.

NOTE: Buyer assumes all responsibility for safety and use not in accordance with directions.

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Interim language and sign and placement acceptable.

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Additional Treatments

1. Sunlight, wind, rain, water temperature and the number and frequency of bathers all affect the rate at which undesirable water conditions develop. Apply additional applications of Shock Plus accordingly.
2. Apply additional treatments at the rate of 1lb. of Shock Plus per 12,000 gallons of pool water.

STORAGE AND DISPOSAL: Keep this product dry in original tightly closed container until use. Store in a cool, dry, well ventilated area away from heat or open flame. Do not reuse container, but place in trash collection. Rinse thoroughly before discarding in trash.

HAZARD WARNINGS: Contains chlorinated isocyanurates.

DANGER: Corrosive. Causes irreversible eye damage. Harmful if swallowed. Do not get in eyes, on skin or on clothing. Wear safety glasses or protective goggles and rubber gloves when handling this product. Harmful if inhaled. Avoid breathing dust. Remove and wash contaminated clothing before use. This product contains OXIDIZING AGENTS. Do not mix with other chemicals. Never add water to this product. Always broadcast directly into the pool. Contamination of this product may start a chemical reaction and generate heat, hazardous gas, possible fire and explosion. In case of contamination or decomposition, do not reseal container. Isolate container in open air or well ventilated area. Flood area with large volumes of water.

Questions or comments call 1-800-252-POOL.

Note: Buyer assumes all responsibility for safety and use not in accordance with directions.

MANUFACTURED FOR:
Recreational Water Products
Pool Time Division
Scottdale, GA 30079

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SHOCK PLUS™

4-IN-1 POOL SHOCK

Shock, Buffer, Clarifier and Flocculant

- No pre-dissolving
- Produces super clear water
- Shock and swim immediately
- Reduces need for other pkgs

This product has not been accepted by the U.S. EPA for use as a disinfectant, sanitizer or algicide.

CAUTION: REACH OF CHILDREN

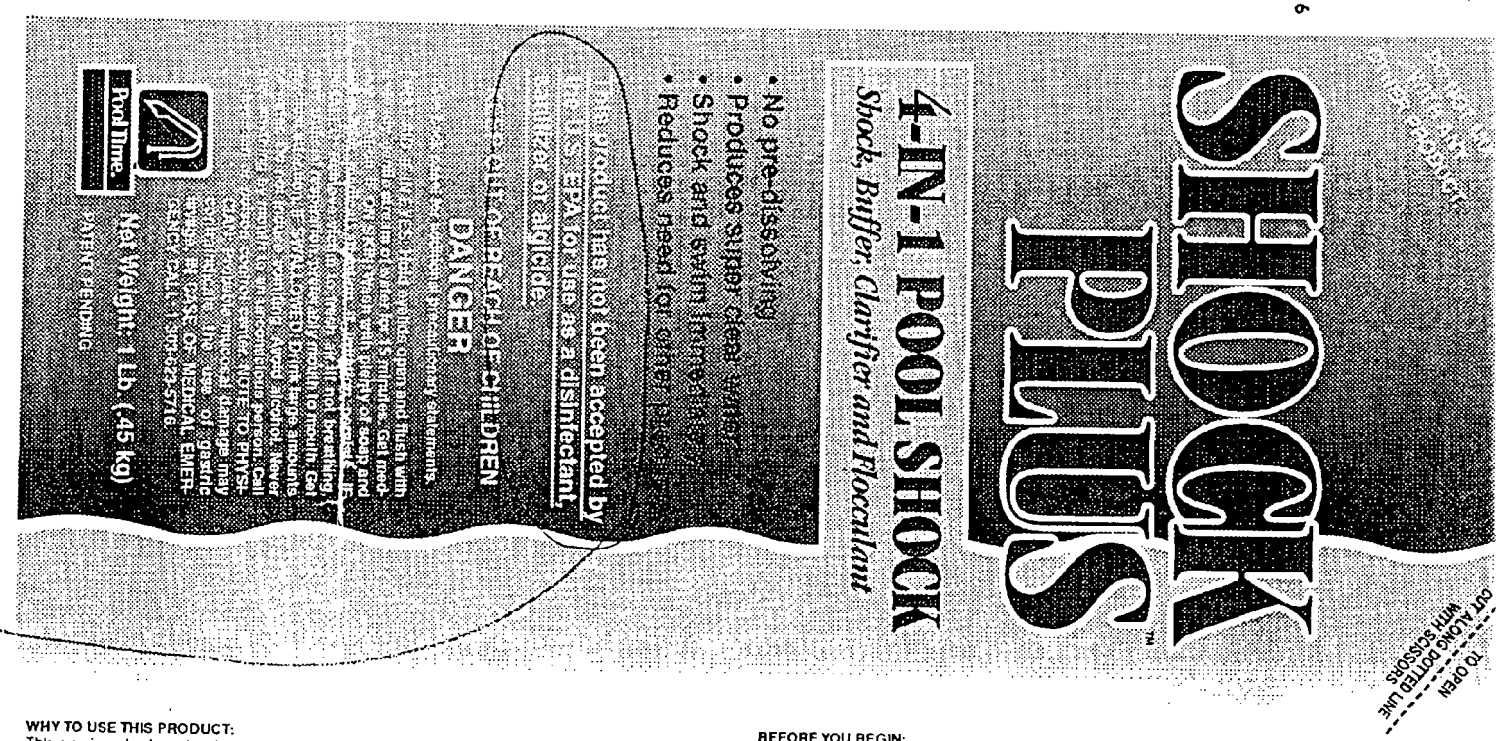
DANGER

Pool Time

Net Weight: 1 Lb. (.45 kg)

PATENT PENDING

TO OPEN CUT ALONG DOTTED LINE WITH SCISSORS



WHY TO USE THIS PRODUCT:

This premium shock product is easier to use and performs more important functions than ordinary pool shocks. Shock Plus™ effectively destroys swimmer wastes that cause cloudy water, musty odors and eye irritation by utilizing advanced patented technology. This technology combines shocks, water clarifiers, flocculants and buffers to provide super clear water with no cloudy residue and, with no increase in pH like ordinary shock products.

Shock Plus is safe for all pool types and should be added directly to the pool without pre-dissolving. Because it dissolves immediately and performs multiple functions, it works faster and more effectively, allowing swimming to resume within 15 minutes. Shock Plus is ideal for both last minute treatments and routine maintenance applications.

IMPORTANT NOTES:

1. DO NOT mix this product with any other shock, or pool chemical product, as violent reactions could occur.
2. When using other products, as outlined in directions for Pool Time Shock Plus, always follow label directions for those products. Use entire bag at one application.
3. As with other shock products, this product may promote metal stains on pool surfaces. Always check water for metal content and if present, remove with a Stain & Scale Inhibitor prior to the addition of this product.
4. For removal of black, green or mustard algae, use a corresponding Pool Time Algicide.

BEFORE YOU BEGIN:

1. Make sure all pool equipment is working properly, including pump, filter, skimmer and heater. Backwash filter following manufacturer's directions.
2. Check Alkalinity, pH and Calcium Hardness with a test kit. Adjust Alkalinity to 80 - 125 ppm for plaster pools, 125 - 150 for vinyl or fiberglass pools. Adjust pH to 7.2 - 7.6 by adding a pH decreaser or pH increaser. Adjust Calcium Hardness to 200 - 275 ppm for plaster pools, 175 - 225 for vinyl or fiberglass pools. Be sure to follow label directions.

NOW USE SHOCK PLUS:

Routine Maintenance

1. With pump running, broadcast 1lb. of Shock Plus per 12,000 gallons of pool water, directly into pool around edges. As with other shock products, DO NOT apply through skimmer or feeding device.
2. Keep circulation system on for 4-8 hrs. after addition.
3. For best results, apply product weekly as part of your maintenance routine.

6/26/98

Interim language & size of placement acceptable.

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DO NOT MIX WITH ANY OTHER PRODUCT.

TO OPEN CUT ALONG DOTTED LINE WITH SCISSORS

SHOCK PLUS™

4-IN-1 SHOCK PRODUCT

Shock, Buffer, Clarifier and Flocculant

No pre-dissolving

Produces super clear water

Shock and swim immediately

Reduces need for other products

This product has not been accepted by the U.S. EPA for use as a disinfectant, sanitizer or algicide.

KEEP OUT OF REACH OF CHILDREN

DANGER

See back panel for additional precautionary statements.

FIRST AID: IF IN EYES: Hold eyelids open and flush with a steady, gentle stream of water for 15 minutes. Get medical attention. IF ON SKIN: Wash with plenty of soap and water. Get medical attention if irritation persists. IF INHALED: Remove victim to fresh air. If not breathing, give artificial respiration, preferably mouth to mouth. Get medical attention. IF SWALLOWED: Drink large amounts of water. Do not induce vomiting. Avoid alcohol. Never give anything by mouth to an unconscious person. Call a physician or poison control center. NOTE TO PHYSICIAN: Probable mucosal damage may contraindicate the use of gastric lavage. IN CASE OF MEDICAL EMERGENCY CALL: 1-303-623-5716.

Net Weight: 1 Lb. (.45 kg)

PATENT PENDING

AQUA CHEM

BALANCED FOR CLEAN POOLS & SPAS

K60218
22816 AQU

MANUFACTURED FOR:
Recreational Water Products
AQUA CHEM DIVISION
Scottdale, GA 30079

Additional Treatments

1. Sunlight, wind, rain, water temperature and the number and frequency of bathers all affect the rate at which unusable water conditions develop. Apply additional applications of Shock Plus accordingly.
2. Apply additional treatments at the rate of 1 lb. of Shock Plus per 12,000 gallons of pool water.

STORAGE AND DISPOSAL: [illegible]

[illegible]

WHY TO USE THIS PRODUCT:

This premium shock product is easier to use and performs more important functions than ordinary pool shocks. Shock Plus™ effectively destroys swimmer wastes that cause cloudy water, musty odors and eye irritation by ultra-fast oxidation. Shock Plus™ also contains Aqua Chem's patented Clarifier Technology. This technology clarifies shocks, water clarifiers, flocculants and buffers to provide super clear water with no cloudy residue and with no increase in pH like ordinary shock products.

Shock Plus is safe for all pool types and should be added directly to the pool without pre-dissolving. Because it dissolves immediately and contains no chlorine, it works faster than other products, allowing swimming to resume within 15 minutes. Shock Plus is ideal for: spa sanitizer maintenance and routine maintenance applications.

IMPORTANT NOTES:

1. DO NOT mix this product with any other shock, or pool chemical product, as violent reactions could occur.
2. When using other products, as outlined in directions for Aqua Chem Shock Plus, always follow label directions on those products. Use entire bag in one application.
3. As with other shock products, this product may promote metal stains on pool surfaces. Always check water for metal content and if present, remove with a Chan & Scale inhibitor prior to the addition of this product.
4. For removal of black, green or mustard algae, use a corresponding Aqua Chem Algicide.

BEFORE YOU BEGIN:

1. Make sure all pool equipment is working properly, including pump, filter, skimmer and heater. Backwash filter following manufacturer's directions.
2. Check Alkalinity, pH and Calcium Hardness with a test kit. Adjust Alkalinity to 80-125 ppm for plaster pools, 125 - 150 for vinyl or fiberglass pools. Adjust pH to 7.2 - 7.6 by adding a pH decreaser or pH increaser. Adjust Calcium Hardness to 200 - 275 ppm for plaster pools, 175 - 225 for vinyl or fiberglass pools. Be sure to follow label directions.

NOW USE SHOCK PLUS:

Routine Maintenance

1. With pump running, broadcast 1 lb. of Shock Plus per 12,000 gallons of pool water, directly into pool around edges. As with other shock products, DO NOT apply through skimmer or floating device.
2. Keep circulation system on for 4-8 hrs. after addition.
3. For best results, apply product weekly as part of your maintenance routine.

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Interim language and size and placement acceptable.

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Additional Treatments

1. Sunlight, wind, rain, water temperature and the number and frequency of bathers all affect the rate at which undesirable water conditions develop. Apply additional applications of Shock Plus accordingly.
2. Apply additional treatments at the rate of 1 lb. of Shock Plus per 12,000 gallons of pool water.

STORAGE AND DISPOSAL: Keep this product dry in original tightly closed container until use. Store in a cool, dry, well ventilated area away from heat or open flame. Do not reuse container, but place in trash collection. Rinse thoroughly before discarding in trash.

HAZARD WARNINGS: Contains chlorinated compounds.

DANGER: Corrosive. Causes irreversible eye damage. Harmful if swallowed. Do not get on eyes, on skin or on clothing. Wear safety glasses or protective goggles and rubber gloves when handling this product. Harmful if inhaled. Avoid breathing dust. Remove contaminated clothing before use. This product contains: 3,3-dichloro-2,4,5,6-tetrachloroisophthalonitrile. Do not mix with other chemicals when pool water is this product. Always broadcast directly into the pool. Contamination of this product may start a chemical reaction and generate heat, hazardous gas, or explosive fire and explosion. In case of contamination or decomposition, do not reopen container, isolate container in open air or in well ventilated area. Flood area with large volumes of water.

Questions or comments call 1-800-253-POOL

Note: Dover assumes all responsibility for safety and use not in accordance with directions.

MANUFACTURED FOR:
Recreational Water Products
Pool Time Division
Scottdale, GA 30079

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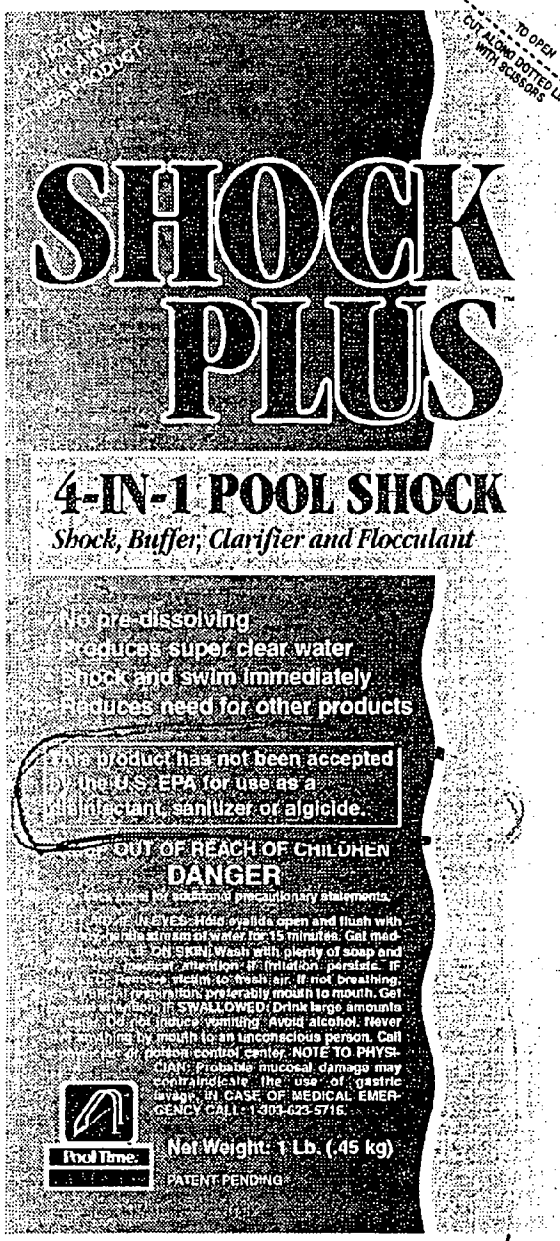

TO OPEN CUT ALONG DOTTED LINE WITH SCISSORS

WHY TO USE THIS PRODUCT:

The 4-in-1 Shock product is easier to use and performs more important functions than ordinary pool shocks. Shock Plus shock product is a powerful oxidizer that clarifies cloudy water, removes odors and prevents algae growth by utilizing advanced patented technology. This technology combines shock, water clarifiers, flocculants and buffers to provide super clear water with no cloudy residue and, with no increase in pH like ordinary shock products.

Shock Plus is safe for all pool types and should be added directly to the pool without pre-dissolving. Reduces disinfectant demand, prevents algae, improves clarity, allows swimming immediately and performs multiple functions, it works faster and more effectively, allowing swimming to resume within 15 minutes. Shock Plus is ideal for both last minute treatments and routine maintenance applications.

IMPORTANT NOTES:

1. DO NOT mix this product with any other shock, or pool chemical product, as violent reactions could occur.
2. When using other products, as outlined in directions for Pool Time Shock Plus, always follow label directions for those products. Use entire bag at one application.
3. As with other shock products, this product may promote metal stains on pool surfaces. Always check water for metal content and if present, remove with a Stain & Scale inhibitor prior to the addition of this product.
4. For removal of black, green or mustard algae, use a compounding Pool Time Algicide.

BEFORE YOU BEGIN:

1. Make sure all pool equipment is working properly, including pump, filter, skimmer and hunter. Backwash filter following manufacturer's directions.
2. Check Alkalinity, pH and Calcium Hardness with a test kit. Adjust Alkalinity to 80 - 125 ppm for plaster pools, 125 - 151 for vinyl or fiberglass pools. Adjust pH to 7.2 - 7.6 by adding a pH decreaser or pH increaser. Adjust Calcium Hardness to 200 - 275 ppm for plaster pools, 175 - 225 for vinyl or fiberglass pools. Be sure to follow label directions.

NOW USE SHOCK PLUS:

Routine Maintenance

1. With pump running, broadcast 1lb. of Shock Plus per 12,000 gallons of pool water, directly into pool around edges. As with other shock products, DO NOT apply through skimmer or feeding device.
2. Keep circulation system on for 4-8 hrs. after addition.
3. For best results, apply product weekly as part of your maintenance routine.

7/15/98
Interch language & sign & placement acceptable.
Joe Brenna.

ALL-STATE® LEGAL 800-222-0510 EDS11 RECYCLED

• SpaGuard Placard

SpaGuard® Enhanced Shock has not been accepted by the U.S. EPA for use as a disinfectant, sanitizer or algicide.

7/2/98
Interim language and placard size acceptable.

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ALL-STATE LEGAL 800-222-0510 EDS11 REC-CLEF

SpaGuard®

OXIDIZER

Enhanced Shock

For Spas & Hot Tubs

Oxidizes and clarifies for beautiful water.

This product has not been accepted by the U.S. EPA for use as a disinfectant, sanitizer or algicide.

KEEP OUT OF REACH OF CHILDREN

DANGER

CAUSES IRREVERSIBLE EYE DAMAGE.

(See back panel for additional precautionary statements.)

FIRST AID: If in eyes: Hold eyelids open and flush with a steady, gentle stream of water for 15 minutes. Get medical attention. **If on skin:** Wash with plenty of soap and water. Get medical attention if irritation persists. **If inhaled:** Remove victim to fresh air. If not breathing, give artificial respiration, preferably mouth to mouth. Get medical attention. **If swallowed:** Drink large amounts of water. Do not induce vomiting. Avoid alcohol. Never give anything by mouth to an unconscious person. Call a physician or poison control center. **NOTE TO PHYSICIAN:** Probable mucosal damage may contraindicate the use of gastric lavage.

IN THE EVENT OF A MEDICAL EMERGENCY CALL 1-303-623-5716.

MANUFACTURED BY:
BIO-LAB, INC., Decatur, Georgia 30031 USA

BioGuard

NET WEIGHT: 2 Lbs. (.9 Kg)

This product is specially formulated to eliminate eye irritating chloramines, musty odors, to correct most cloudy conditions and to restore spa water sparkle. Special ingredients aid the filter in removing small suspended particles to further enhance water clarity.

This product dissolves quickly and completely. (Under cold water conditions, brush after application to speed dissolving.) Do not allow undissolved material to lie in contact with bleachable surfaces such as vinyl or paint. No premixing is required and no undissolved solids remain. May be used with chlorine, ozone, bromine, and ionization systems. It is formulated for use will all types of spa surfaces. DO NOT use in spas sanitized with biguanides.

MEASUREMENT AND DOSING: Use all level measurements. 3 tablespoons per 500 gallons.

DIRECTIONS FOR USE: Read entire label and use strictly in accordance with precautionary statements and directions.

1. Test and adjust spa water pH to 7.2 - 7.6 prior to application of SPAGUARD® ENHANCED SHOCK.
2. Apply product when spa is not in use.
3. With pump in operation, apply the entire treatment dosage at one time. Broadcast across water's surface.
4. Apply directly to spa water only. Do not add through a skimmer or any automatic dispensing device.
5. This product is pH neutral and usage will not upset spa water balance.
6. Spa use can resume when your test kit reading indicates a sanitizer level of 3.0 ppm or less.
7. Add SPAGUARD ENHANCED SHOCK once a week. Additional applications are required after periods of extremely heavy spa usage, significant rainfall or the appearance of cloudy water.

STORAGE: Keep this product dry in original tightly closed container until use. Store in a cool, dry, well ventilated area away from heat or open flame. Do not reuse container, but place in trash collection. Rinse thoroughly before discarding in trash.

HAZARD WARNINGS: Contains chlorinated isocyanurates.

DANGER: Corrosive. Causes irreversible eye damage. Harmful if swallowed. Do not get in eyes, on skin or on clothing. Wear safety glasses or protective goggles and rubber gloves when handling this product. Harmful if inhaled. Avoid breathing dust. Remove and wash contaminated clothing before use. This product contains OXIDIZING AGENTS. Do not mix with other chemicals. Never add water to this product. Always broadcast directly into the spa. Contamination of this product may start a chemical reaction and generate heat, hazardous gas, possible fire and explosion. In case of contamination or decomposition, do not reseal container. Isolate container in open air or well ventilated area. Flood area with large volumes of water.

NOTE: Buyer assumes all responsibility for safety and use not in accordance with directions.

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Interim language and size and placement acceptable.
Bob Brown
by

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ALL-STATE LEGAL 800-222-0510 EDS11 RECYCLED

• SIMPLICITY Placard

Simplicity® Clear has not been accepted by the U.S. EPA for use as a disinfectant, sanitizer or algicide.

7/2/98
Interim language and placard size acceptable.

• Synergy Placard

Synergy® Clear has not been accepted by the U.S. EPA for use as a disinfectant, sanitizer or algicide.

7/2/98
Interim language and placard size acceptable.

• SNAP Placard

Snap® Clear has not been accepted by the U.S. EPA for use as a disinfectant, sanitizer or algicide.

7/2/98
Interim language and placard size acceptable.

ANDREWS OFFICE PRODUCTS CAPITOL HEIGHTS, MD (K)

HYDROTECH
POOL & SPA PRODUCTS

CLEAR

Exclusively designed for use with the Simplicity System.

Patented Technology* Broadcast over the water surface, at the deep end of the pool. Once a week application.

This product has not been accepted by the U.S. EPA for use as a disinfectant, sanitizer or algicide.

FIRST AID: IF IN EYES: Hold eyelids open and flush with a steady, gentle stream of water for 15 minutes. Get medical attention. IF ON SKIN: Wash with plenty of soap and water. Get medical attention if irritation persists. IF INHALED: Remove victim to fresh air. If not breathing, give artificial respiration, preferably mouth to mouth. Get medical attention. IF SWALLOWED: Drink large amounts of water. *Do not induce vomiting.* Avoid alcohol. Never give anything by mouth to an unconscious person. Call a physician or poison control center. NOTE TO PHYSICIAN: Probable mucosal damage may contraindicate the use of gastric lavage. IN THE EVENT OF A MEDICAL EMERGENCY CALL 1-303-623-5716.

NOTE: Buyer assumes all responsibility for safety and use not in accordance with directions.

KEEP OUT OF REACH OF CHILDREN

DANGER

NET WEIGHT 1 Lb. (.45 kg)

Made exclusively for use with the SIMPLICITY SYSTEM, SIMPLICITY CLEAR® replaces several products with one convenient premeasured product. This specially formulated product, a blend of multiple oxidizers, clarifiers and water enhancing buffers, keeps your pool water sparkling clear. SIMPLICITY CLEAR provides superb water clarity, improved swimmer comfort, and convenient "Once A Week" application. Designed for use with all types of pool surfaces, SIMPLICITY CLEAR allows swimming 15 minutes after application.

DIRECTIONS FOR USE: Read entire label and use strictly in accordance with hazard warnings and directions.

INITIAL START-UP AND SPRING OPENING: Bring a water sample to your SIMPLICITY SYSTEM dealer for initial testing and start-up procedures.

Superchlorinate pool water using Hydrotech® HydroShock 60 at a dosage rate of 1 lb. for every 10,000 gallons of pool water. Test for free chlorine 24 hours after shocking. If your test results do not read at least 2 ppm of chlorine, repeat the superchlorination procedure. After initial start-up, follow the Routine Maintenance instructions below for your SIMPLICITY CLEAR applications.

ROUTINE MAINTENANCE: Apply SIMPLICITY CLEAR weekly at a dosage rate of one-half container for every 10,000 gallons of pool water. Turn on the pump before adding SIMPLICITY CLEAR and allow pool to circulate for 4-6 hours after application for best results. Broadcast the SIMPLICITY CLEAR dosage over the water surface at the deep end of the pool. To prevent possible damage to pool surface, use a pool brush to disperse any granules which may have settled to the bottom of the pool.

Do not apply SIMPLICITY CLEAR through a skimmer or any automatic dispensing device. Swimming may be resumed 15 minutes after applying SIMPLICITY CLEAR.

OFF SEASON MAINTENANCE: Unheated pools which are kept circulating during the Winter season require less frequent additions of SIMPLICITY CLEAR. Apply product every three weeks following instructions and dosage for routine maintenance.

IMPORTANT: Only a SIMPLICITY SYSTEM dealer can test for all components and proper balance of a SIMPLICITY SYSTEM. Be sure to have your water tested by a SIMPLICITY SYSTEM dealer and add recommended products following label directions on each product.

STORAGE: Keep this product dry in original tightly closed container until use. Store in a cool, dry, well ventilated area away from heat or open flame. Do not reuse container, but place in trash collection. Rinse thoroughly before discarding in trash.

HAZARD WARNINGS: Contain: chlorinated Isocyanurates.

DANGER: Corrosive. Causes irreversible eye damage. Harmful if swallowed. Do not get in eyes, on skin or on clothing. Wear safety glasses or protective goggles and rubber gloves when handling this product. *Harmful if inhaled. Avoid breathing dust. Remove and* wash contaminated clothing before use. This product contains OXIDIZING AGENTS. Do not mix with other chemicals. Never add water to this product. Always broadcast directly into the pool. Contamination of this product may start a chemical reaction and generate heat, hazardous gas, possible fire and explosion. In case of contamination or decomposition, do not reseal container. Isolate container in open air or well ventilated area. Flood area with large volumes of water.

*The Simplicity System is a patented method for treatment of swimming pools. Additional patents pending.

Manufactured for: ASEPSIS
Hydrotech Division, Avondale Estates, GA 30002

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7/2/98
Interim language and size and placement acceptable.
Bob Brennis

SPARKLING CLEAR WATER

SYNERGY.

Clear™

Exclusively designed for use with the Synergy System.

*Patented technology.**
Broadcast over the water surface at the deep end of the pool.
Once a week application.

This product has not been accepted by the U.S. EPA for use as a disinfectant, sanitizer or algicide.

OMNI

KEEP OUT OF REACH OF CHILDREN

DANGER

(See back panel for additional precautionary statements.)

FIRST AID: IF IN EYES: Hold eyelids open and flush with a steady, gentle stream of water for 15 minutes. Get medical attention. IF ON SKIN: Wash with plenty of soap and water. Get medical attention if irritation persists. IF INHALED: Remove victim to fresh air. If not breathing, give artificial respiration, preferably mouth to mouth. Get medical attention. IF SWALLOWED: Drink large amounts of water. Do not induce vomiting. Avoid alcohol. Never give anything by mouth to an unconscious person. Call a physician or poison control center. NOTE TO PHYSICIAN: Probable mucosal damage may contraindicate the use of gastric lavage. IN THE EVENT OF A MEDICAL EMERGENCY CALL 1-303-623-5716.

NOTE: Buyer assumes all responsibility for safety and use not in accordance with directions.

NET WEIGHT 1 Lb. (.45 kg)

Made exclusively for use with the SYNERGY SYSTEM, SYNERGY CLEAR™ replaces several products with one convenient premeasured product. This specially formulated product, a blend of multiple oxidizers, clarifiers and water enhancing buffers, keeps your pool water sparkling clear. SYNERGY CLEAR provides superb water clarity, improved swimmer comfort, and convenient "Once A Week" application. Designed for use with all types of pool surfaces, SYNERGY CLEAR allows swimming 15 minutes after application.

DIRECTIONS FOR USE: Read entire label and use strictly in accordance with hazard warnings and directions.

INITIAL START-UP AND SPRING OPENING: Bring a water sample to your SYNERGY SYSTEM dealer for initial testing and start-up procedures. Superchlorinate pool water using OMNI® BREAKOUT 60 at a dosage rate of 1 lb. for every 10,000 gallons of pool water, following label directions. Test for free chlorine 24 hours after shocking. If your test results do not read at least 2 ppm of chlorine, repeat the superchlorination procedure. After initial start-up, follow the Routine Maintenance instructions below for your SYNERGY CLEAR applications.

ROUTINE MAINTENANCE: Apply SYNERGY CLEAR weekly at a dosage rate of one-half container for every 10,000 gallons of pool water. Turn on the pump before adding SYNERGY CLEAR and allow pool to circulate for 4-8 hours after application for best results. Broadcast the SYNERGY CLEAR dosage over the water surface at the deep end of the pool. To prevent possible damage to pool surface, use a pool brush to disperse any granules which may have settled to the bottom of the pool. Do not apply SYNERGY CLEAR through a skimmer or any automatic dispensing device. Swimming may be resumed 15 minutes after applying SYNERGY CLEAR.

OFF SEASON MAINTENANCE: Unheated pools which are kept circulating during the Winter season require less frequent additions of SYNERGY CLEAR. Apply product every three weeks following instructions and dosage for routine maintenance.IMPORTANT: Only a SYNERGY SYSTEM dealer can test for all components and proper balance of a SYNERGY SYSTEM. Be sure to have your water tested by a SYNERGY SYSTEM dealer and add recommended products following label directions on each product.

STORAGE: Keep this product dry in original tightly closed container until use. Store in a cool, dry, well ventilated area away from heat or open flame. Do not reuse container, but place in trash collection. Rinse thoroughly before discarding in trash.

HAZARD WARNINGS: Contains chlorinated isocyanurates

DANGER: Corrosive. Causes irreversible eye damage. Harmful if swallowed. Do not get in eyes, on skin or on clothing. Wear safety glasses or protective goggles and rubber gloves when handling this product. Harmful if inhaled. Avoid breathing dust. Remove and wash contaminated clothing before use. This product contains OXIDIZING AGENTS. Do not mix with other chemicals. Never add water to this product. Always broadcast directly into the pool. Contamination of this product may start a chemical reaction and generate heat, hazardous gas, possible fire and explosion. In case of contamination or decomposition, do not reseal container. Isolate container in open air or well ventilated area. Flood area with large volumes of water.

*The Synergy System is a patented method for treatment of swimming pools. Additional patents pending.

Manufactured for: ASEPSIS
Omni Division
Avondale Estates, GA 30002

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7/2/98
Interim language and size and placement acceptable.
Bob Brennan
KZG

Guardex

SNAP CLEAR™

Exclusively designed
for use with the SNAP* System.

Patented technology * Broadcast over the water surface at the deep end of the pool
Once a week application

This product has not been accepted by the U.S. EPA for use as a disinfectant, sanitizer or algicide.

KEEP OUT OF REACH OF CHILDREN

DANGER

(See back panel for additional precautionary statements.)

FIRST AID: IF IN EYES: Hold eyelids open and flush with a steady, gentle stream of water for 15 minutes. Get medical attention. IF ON SKIN: Wash with plenty of soap and water. Get medical attention if irritation persists. IF INHALED: Remove victim to fresh air. If not breathing, give artificial respiration, preferably mouth to mouth. Get medical attention. IF SWALLOWED: Drink large amounts of water. Do not induce vomiting. Avoid alcohol. Never give anything by mouth to an unconscious person. Call a physician or poison control center. NOTE TO PHYSICIAN: Probable mucosal damage may contraindicate the use of gastric lavage. IN THE EVENT OF A MEDICAL EMERGENCY CALL 1-303-623-5716.

NOTE: Buyer assumes all responsibility for safety and use not in accordance with directions.

Manufactured for: ASEPSIS Guardex Division,
Avondale Estates, GA 30002

NET WEIGHT 1 Lb. (.45 kg)

Made exclusively for use with the SNAP SYSTEM, SNAP CLEAR[60] replaces several products with one convenient premeasured product. This specially formulated product, a blend of multiple oxidizers, clarifiers and water enhancing buffers, keeps your pool water sparkling clear. SNAP CLEAR provides superb water clarity, improved swimmer comfort, and convenient "Once A Week" application. Designed for use with all types of pool surfaces, SNAP CLEAR allows swimming 15 minutes after application.

DIRECTIONS FOR USE: Read entire label and use strictly in accordance with hazard warnings and directions.

INITIAL START-UP AND SPRING OPENING: Bring a water sample to your SNAP SYSTEM dealer for initial testing and start-up procedures. Superchlorinate pool water using Guardex[90] Super Chlorinator 60 at a dosage rate of 1 lb. for every 10,000 gallons of pool water. Test for free chlorine 24 hours after shocking. If your test results do not read at least 2 ppm of chlorine, repeat the superchlorination procedure. After initial start-up, follow the Routine Maintenance instructions below for your SNAP CLEAR applications.

ROUTINE MAINTENANCE: Apply SNAP CLEAR weekly at a dosage rate of one-half container for every 10,000 gallons of pool water. Turn on the pump before adding SNAP CLEAR and allow pool to circulate for 4-8 hours after application for best results. Broadcast the SNAP CLEAR dosage over the water surface at the deep end of the pool. To prevent possible damage to pool surface, use a pool brush to disperse any granules which may have settled to the bottom of the pool.

Do not apply SNAP CLEAR through a skimmer or any automatic dispensing device. Swimming may be resumed 15 minutes after applying SNAP CLEAR.

OFF SEASON MAINTENANCE: Unheated pools which are kept circulating during the Winter season require less frequent additions of SNAP CLEAR. Apply product every three weeks following instructions and dosage for routine maintenance.

IMPORTANT: Only a SNAP SYSTEM dealer can test for all components and proper balance of a SNAP SYSTEM. Be sure to have your water tested by a SNAP SYSTEM dealer and add recommended products following label directions on each product.

STORAGE: Keep this product dry in original tightly closed container until use. Store in a cool, dry, well ventilated area away from heat or open flame. Do not reuse container, but place in trash collection. Rinse thoroughly before dis-carding in trash.

HAZARD WARNINGS: Contains chlorinated isocyanurates.

DANGER: Corrosive. Causes irreversible eye damage. Harmful if swallowed. Do not get in eyes, on skin or on clothing. Wear safety glasses or protective goggles and rubber gloves when handling this product. Harmful if inhaled. Avoid breathing dust. Remove and wash contaminated clothing before use. This product contains OXIDIZING AGENTS. Do not mix with other chemicals. Never add water to this product. Always broadcast directly into the pool. Contamination of this product may start a chemical reaction and generate heat, hazardous gas, possible fire and explosion. In case of contamination or decomposition, do not reseal container. Isolate container in open air or well ventilated area. Flood area with large volumes of water.

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*The SNAP System is a patented method for treatment of swimming pools. Additional patents pending.

7/2/98
Interim language and size and placement acceptable.

Bill Brennan

ALL STATE-TRIAL REGISTRATION EDSIT MISCELLE

• Bermuda Blue Enhancer™ Placard

Bermuda Blue Enhancer™ has not been accepted by the U.S. EPA for use as a disinfectant, sanitizer or algicide.

7/2/95

Interim language & disclaimer acceptable.

Bob Brown

ALL-STATE® LEGAL 800-222-0510 EDS11 RECYCLED

BERMUDA BLUE™

Enhancer

Restores sparkle to pool water.

~~Part 4: Once-a-month~~

This product has not been accepted by the U.S. EPA for use as a disinfectant, sanitizer or algicide.

7/2/98
Interim language and size and placement acceptable.
Bob Brennis
by

KEEP OUT OF THE REACH OF CHILDREN

DANGER: CAUSES SKIN AND EYE BURNS
MAY BE FATAL IF SWALLOWED
(See back panel for additional precautionary statements.)

NET WEIGHT: 5 Lbs. (2.27 kg)

MANUFACTURED BY: BIO-LAB, INC., Decatur, Georgia 30030 USA

BioGuard.

PART 4

Once-A-Month

Bermuda Blue™ Enhancer™ is a specially formulated oxidizer and clarifier which eliminates organic contaminants which accumulate from swimmer wastes and environmental sources. Bermuda Blue Enhancer keeps the swimming environment clean and clear for the optimum Bermuda Blue experience.

Bermuda Blue Enhancer utilizes advanced patented technology. It is specially formulated to eliminate eye irritating elements and musty odors, to correct most off-color greenish or cloudy conditions and to restore pool water sparkle. Special agents aid the filter in removing small suspended particles to further enhance water clarity.

This product dissolves quickly and completely. No premixing is required and no undissolved solids remain. It is formulated for use with all types of pool surfaces.

DIRECTIONS FOR USE: Read entire label before applying product and use strictly in accordance with directions and hazard warnings.

With the pump in operation, apply the entire treatment dose at one time. Broadcast evenly around edges in deep end of pool with special attention to areas of the pool where water circulation is the poorest. Apply directly to pool water only. Do not add through any automatic dispensing device. This product is pH neutral and usage will not upset pool balance.

For best results, test and adjust pool water pH to 7.2-7.6 prior to application. Apply product when pool is not in use.

ROUTINE MAINTENANCE: To maintain a sparkling clear fresh pool, add 2.5 pounds of product per 10,000 gallons of water once a month.

NOTE: This product should be added first and allowed to circulate for 12 hours before adding the Bermuda Blue Extender™ Under cold water conditions, brush after application to speed dissolving. Do not allow undissolved materials to lie in contact with bleachable surfaces such as vinyl or paint.

ADDITIONAL TREATMENTS: Additional applications may be required after periods of extremely heavy pool usage, significant rainfall or the appearance of off-color greenish or cloudy water. Apply additional treatments at the rate of 2.5 pounds per 10,000 gallons.

FIRST AID: IF IN EYES: Hold eyelids open and flush with a gentle steady stream of water for 15 minutes. Get medical attention. **IF ON SKIN:** Brush off excess and wash with plenty of soap and water. Get medical attention if irritation persists. **IF INHALED:** Remove victim to fresh air. If not breathing, give artificial respiration, preferably mouth to mouth. Get medical attention. **IF SWALLOWED:** Drink large amounts of water. Do not induce vomiting. Avoid alcohol. Never give anything by mouth to an unconscious person. Call a physician or poison control center. **NOTE TO PHYSICIAN:** Probable mucosal damage may contraindicate the use of gastric lavage. **IN THE EVENT OF A MEDICAL EMERGENCY CALL 1-303-623-5716.**

STORAGE AND DISPOSAL: Keep this product dry in original tightly closed container until used. Store in a cool, dry, well ventilated area away from heat or open flame. Do not reuse container, but place in trash collection. Rinse thoroughly before discarding in trash.

HAZARD WARNINGS: Contains chlorinated isocyanurates, boron salts, and sulfates. **DANGER:** Highly corrosive. Causes skin and eye burns. May be fatal if swallowed. Do not get in eyes, on skin or on clothing. Wear safety glasses or protective goggles and rubber gloves when handling this product. Harmful if inhaled. Irritating to nose and throat. Avoid breathing dust and fumes. Remove and wash contaminated clothing before use. **STRONG OXIDIZING AGENT:** Do not mix with other chemicals. Never add water to this product. Always broadcast directly into the pool. Contamination of this product may start a chemical reaction and generate heat, hazardous gas, possible fire and explosion. In case of contamination or decomposition, do not reseal container. Isolate container in open air or well ventilated area. Flood area with large volumes of water.

NOTE: Buyer assumes all responsibility for safety and use not in accordance with directions.

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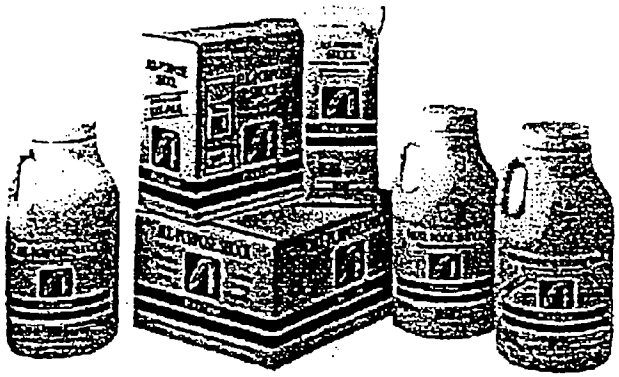
ALL-STATE® LEGAL 800-222-0510 E0511 RECYCLED

Pool Time.

Product Information

Shock Treatments



Removes Swimmer Wastes
Restores Water Sparkle

Cosmetics, suntan lotion, perspiration and other swimmer wastes cannot be filtered out of pool water~~, and are resistant to normal levels of chlorine~~. Shock treatment chemicals ~~boost the chlorine level temporarily to remove swimmer wastes and restore water sparkle.~~

Serve to oxidize and remove these materials.

BALANCERS | SANITIZERS | SHOCK TREATMENT | ALGICIDES | SPECIALTY PRODUCTS | SPA PRODUCTS | HOME PAGE

| Balancers | Sanitizers | Shock Treatment |
| Algicides | Specialty Products | Spa Products |
| PoolTime Homepage |

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Product Information

Pool Time.

Sanitizers

Bacteria enters pool water continuously from many sources ~~- fill water, swimmer wastes, rain and other environmental factors~~. The most widely used pool sanitizer to combat this situation is chlorine. Pool Time offers a wide range of various forms of chlorine to meet all your preferences and needs: GRANULARS, 1" TABLETS AND 3" TABLETS.

GRANULAR DRY CHLORINATOR

Fast dissolving chlorine granules provide effective chlorination at economical prices. Can be hand-fed by broadcasting over the pool surface or predissolved in a bucket of pool water and added when temperature is below 70 degrees.

Clarity - GRANULAR CHLORINATING CONCENTRATE

Benefits Include:

- Costs up to half as much as other leading granulars over a season
- No pre-dissolving
- Contains a stabilizer - lasts longer
- Easy to handle and store
- Dissolves "instantly" and completely
- No scaling
- Safe for all pools

1" TABLETS

Slow-dissolving, stabilized chlorine tablets work in floaters and most automatic chlorinators. They are highly compressed to dissolve slowly, releasing the right amount of chlorine into the water. No gummy binders or release agents to clog feeders and equipment. Sizes to fit every need.

FLOATER

as an oxidizer, clarifier and flocculant

AQUA CHEM

New Products

Shock Plus™ is a revolutionary, new patented shock product from Recreational Water Products. It stores and works better than other shock products. Shock Plus offers many benefits when compared to Calcium Hypochlorite based shocks.

Consumer Benefits	Shock Plus	Cal Hypo Shocks
No predissolving, add directly to pool	Yes	No
Shock that produces clearest water the fastest and stays clearer longer*	Yes	No
After treatment, wait before entering pool	15 minutes	8 hours
Contains built in clarifiers	Yes	No
Reduces need for clarifiers and pH adjusters	Yes	No

* Laboratory test proves that Shock Plus reduces turbidity more, faster and longer than calcium hypochlorite shocks.

This exciting, patented, safe, and friendly product is only available from Recreational Water Products. Shock Plus is the first product in a complete line of safer (storage) swimming pool products.

Sign Up!!

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AQUA CHEM

Shock Treatment

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To supplement routine chlorination, periodic superchlorination by Shock Treatment is always advisable, especially under conditions of elevated temperature, heavy rains and high usage. Shock Treatment chemicals quickly and temporarily raise the chlorine level to destroy the organisms resistant to levels of available chlorine in the pool or spa.

Aqua Chem Shock Treatment chlorinators come in both liquid and dry forms, in a wide selection of container sizes for pools and spas of all volumes. They are non-stabilized and lower in cost, making them suitable also for routine sanitization by budget-minded consumers.

A related product, Shock and Swim, regenerates chlorine by shocking without adding new chlorine, which allows immediate pool or spa use. Regular shock treatment products do not allow for immediate use of the pool or spa.

A new product, Vinyl Pool Shock is specifically formulated for vinyl pools. It does not require pre-dissolving and will not bleach vinyl-lined surfaces. And, regular use of this product will not add calcium to the water.

NEW!! Shock Plus

NOTE: Not all sizes are available at all loactions.

Product Description	Unit Weight
Shock Treatment	1.0 lb.
Shock Treatment	4.0 lb.
Shock Treatment	8.0 lb.
Vinyl Pool Shock	10 oz.
Granular Chlorinizor	25 lb.
Granular Chlorinizor	75 lb.
Liquid Chlorinizor	1 gal.
Shock & Swim	4.0 lb.

AQUA CHEM

Specialty Chemicals

To make every pool and spa invitingly clean and sparkling, the Aqua Chem line includes its own specialty chemicals. Clarifier removes small particulate impurities. Stabilizer reduces chlorine loss from decomposition when non-stabilized chlorine products are used. Stain and Scale Inhibitor ties up iron, copper and manganese, as well as calcium to prevent staining and scaling of pool surfaces and equipment. Filter Aid, a pure diatomaceous earth (D.E.), improves filtering efficiency.

Total alkalinity is the key to water balance; it is the water's ability to resist dramatic changes in pH. Alkalinity Plus raises low alkalinity levels to avoid these problems. This product helps keep the pH within the proper range.

Calcium hardness is an important water balance level; low levels cause etching of plaster surfaces and corrosion of equipment. Calcium Hardness Increaser raises low levels and keeps your pool surfaces and equipment healthy.

BioLab will remove this language

Yellow or mustard colored spots on pool surfaces can be almost impossible to remove with normal algaecides. However, Mustard Free, when combined with Shock Treatment, will clean up the problem.

You will appreciate the one-stop shopping these specialties provide for your total pool product needs.

Product Description	Package Sizes
Stabilizer	3.0 lb.
Stain & Scale Inhibitor	1 qt.
Calcium Hardness Increaser	4 lb.
Clarifier	1 qt.
Clarifier	1 gal.
D. E. Flter Aid	24 lb.
D. E. Flter Aid	10 lb.
Alkalinity Plus	4 lb.

pH - A measure of acidity or basicity in your water, on a scale of 0 to 14, 7 being neutral.

PPM - Parts per million, the standard measure of any chemical's concentration in your water.

ROUTINE CHLORINATION - The practice of continuously adding small amounts of chlorine to your pool or spa, whether by hand or by using a floater or feeder, to meet its chlorine demands.

SCALE - White, gray or brownish spots on surfaces or equipment caused by water that's out of balance-that is, high pH, high total alkalinity or water that's too hard.

SHOCK OR SHOCKING - The practice of periodically adding supplemental chlorine, or other chemicals, to ~~break up or~~ oxidize chloramines ~~and allow free chlorine to appear again~~.

STABILIZED CHLORINE - Chlorine that contains cyanuric acid to condition it against the adverse effects of the sun. Lasts up to 5 times longer than unstabilized chlorine.

STABILIZER - A supplement that must be added to all pools once each summer, and regularly to pools that use unstabilized chlorine, to help condition the chlorine against the adverse effects of the sun.

TEST KIT - An easy-to-use kit used to test various factors in your pool water. Just fill the appropriate test tube with a sample of your water, then follow directions, usually adding a few drops of a specified solution. The water will change colors, indicating the result of the test.

TEST STRIPS - Easy-to-use strips used to test various balancing factors in your water. Just follow directions and dip one into your water, then wait a few seconds-the color on the strip indicates the result of the test. Test strips are the most accurate way to test for free chlorine.

TOTAL CHLORINE - The total amount of chlorine in your water-combination of chlorine in the form of chloramines and free chlorine.

UNSTABILIZED CHLORINE - Chlorine that does not contain cyanuric acid to condition it against adverse effects of the sun. Lasts as little as one fifth as long as stabilized chlorine.

WINTERIZING - The act of closing your pool for the winter months. Taking a few, simple steps to winterize your pool will protect it as well as make it easier to open your pool when the weather warms up.

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So, as crazy as it sounds, when your pool smells strongly of chlorine, what's actually needed is more chlorine. Because what you're smelling are chloramines, and raising the chlorine level will break them up.

Shocking your pool does just that. Shocking refers to adding chlorine (or, in some cases, other chemicals) in much larger than routine amounts. The effect is to break up or oxidize chloramines and allow free chlorine to appear again.

Shocking also eliminates and prevents algae and cloudy water. The bottom line is this. In addition to routinely chlorinating your pool, you must also shock it to keep the free or available chlorine level up. The point here is to realize the importance of free chlorine (as opposed to total chlorine) and how shocking affects it. See Testing and Adjusting the Water for specific shocking instructions.

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inconvenient and less cost-effective in the long run.

Aqua Chem **Clarity Stabilized Granules** are a perfect example of the benefits of stabilized chlorine. They're faster dissolving than unstabilized granules (Calcium Hypochlorite). And they dissolve completely, which means there's no residue. Clarity Stabilized Granules will have less effect on your pH. Plus, they just plain last longer, up to five times longer. So you can see why we say stabilized chlorine is the best. And Aqua Chem has several forms of this long-lasting routine chlorinator to choose from.

We've already discussed Clarity Stabilized Granules. To use them, you just scatter or broadcast the granules over the deep end of your pool.

1" and 3" Stabilized Tablets are two of the easiest ways to routinely chlorinate your pool. 1" Tablets are great for floaters and feeders and 3" Tablets are perfect for skimmer application, feeders and floaters.

Finally, our **Stabilized Floater** has several small nubs on each side that correspond to your pool size. You just cut off the correct nubs to release a just-right flow of chlorine into your pool. When the floater flips on its side, you know it needs replacing. It's that simple.

Shock Plus is for Shocking

routine shocking is an integral part of proper pool maintenance.

As you surely know by now, ~~when it's time to raise your free chlorine level, it's time to shock.~~ And you can use any of the Aqua Chem products listed below.

Shock Plus, **Shock Treatment** and **Liquid Chlorinizer** are chlorine products that will oxidize or break down chloramines and bring up your free chlorine level. Shock Plus is highly recommended because it is a granular 4-in-1 shock product that is pH balanced (unlike other shock products) and contains clarifiers and flocculants to help clear up water fast. You can also swim 15 minutes after applying Shock Plus! Shock Plus can be used in any type of pool and requires no pre-dissolving! It is available in convenient 1# bags which treat 12,000 gallons of water.

It is important to remember that Shock Plus, like other shock products, should be ~~works most effectively when~~ used in conjunction with a stabilized sanitizer (1" or 3" tablets, Clarity™, Floaters or automatic chlorinators) as part of a regular maintenance program. It is also recommended that 10% or 60% algaecide be used to prevent the formation of algae.

Sometimes, no matter how well you take care of your pool water, algae sneaks up on you. So Aqua Chem offers four products to help you control algae.

Algaecide Liquid and **Algaecide Liquid Concentrate** are effective at preventing algae infestations. They will help prevent black, green and mustard colored algae.

Black-Out is specially designed to kill black and green algae in white plaster pools. And **Vinyl Pool Algae Killer** is specifically designed to do the same in vinyl pools. To treat mustard colored algae, use our specialty product, **Mustard Free.**

Guidelines for Specialty & Accessory Products

Within the specialty products category you'll find some products we've mentioned already and others that are new to you.

You may remember that **Alkalinity Plus** is what you use to raise your total alkalinity, which can be so important in adjusting your pH and, therefore, overall water balance. Alkalinity Plus is considered a specialty item because total alkalinity is checked and adjusted so seldom during the summer season - only once a month.

Stabilizer is also considered a specialty product. Again, this is because it's not one of the main things you'll need to worry about during the season. Just check stabilizer once at the beginning of summer (assuming you use stabilized chlorine for routine chlorination) and adjust as necessary.

Calcium Hardness is another level tested infrequently, once or twice per season. Aqua Chem's **Calcium Hardness Increaser** will raise your hardness to the desired range.

Another item, somewhat related to calcium hardness, is Aqua Chem **Stain & Scale Inhibitor**. It helps tie up scale causing agents that scale up equipment and make your pool cloudy. But primarily Stain & Scale is used to tie up metals in your pool water so they don't stain your surfaces.

There's also **Clarifier**, which binds dirt particles that are normally too small for your filtering system. Clarifier brings the sparkle back to cloudy or hazy water.

A unique specialty product is Aqua Chem **Mustard Free**. When used in conjunction with Aqua Chem's ~~**Shock Plus,**~~ **Shock Treatment** or **Vinyl Pool Shock**, it rids pools of mustard colored spots. Other Aqua Chem specialty products include **Filter Aid**, for diatomaceous earth filters, and **3-Way Test Kits**, **6-Way Test Kits**, and **4-Way Test Strips**. Also, look for a variety of Aqua Chem accessories including thermometers, floating chlorine dispensers, vacuum heads, brushes, skimmers, hoses and vinyl repair kits.

It's all because, at Aqua Chem, we know how wonderful a pool can be. How beautiful. How rewarding. And we know how important clean, healthy water is. Which is why we sponsor the U. S. Swim Team. We're proud to be the company to bring clean, healthy water to the athletes who could bring home the gold.

Sign up!

Stabilizer X

Adjusting pH

As we mentioned earlier, pH is a measure of acidity or basicity in your pool water. And what you want is a pH level between 7.2 and 7.6. Test your pH twice a week. If your pH is too low, add Aqua Chem **pH Add**.

If your pH is too high, add Aqua Chem **pH Decreaser** (for minimum effect on total alkalinity, use the granular form and broadcast it evenly over your entire pool). You'll find details on the dosage chart.

Adjusting Total Akalinity

Many pool owners, through lack of knowledge, forgo alkalinity testing altogether. This is a mistake, as unbalanced alkalinity promotes equipment and surface corrosion, and destabilizes pH. To insure normal equipment life and stable pH levels, we recommend testing for total alkalinity about once a month.

Total alkalinity should be between 80 and 125 ppm for plaster pools and 125-150 ppm for vinyl, fiberglass and painted pools. If it's too low, add Aqua Chem **Alkalinity Plus**. You'll find details on the dosage chart. If it's too high, add pH Decreaser. (For maximum effect use the liquid form, if it's available, and pour it into one area in the deep end of your pool.)

Adjusting Water Hardness

In most areas of the country, you only need to test your water's hardness once all summer, and the desired range is between 200 and 250 parts per million (ppm) for plaster pools, and 175-225 ppm for vinyl, fiberglass and painted pools. If your water is above 500, simply drain some water from the pool and replace it with new water from a garden hose. There is an exception to this rule, however, since high water hardness is really only a problem in combination with high pH and high total alkalinity. So, if pH and total alkalinity are on the low side, water hardness up to 500 or 600 ppm may not be a problem.

If your calcium is low, add Aqua Chem **Calcium Hardness Increaser**.

Adjusting Free Chlorine

By now you know that free chlorine is really the critical chlorine measurement-much more so than total chlorine. Because your free chlorine level is what reflects your pool's ability to keep sanitizing.

But you must do bi-weekly tests for both free and total chlorine, then compare the two measurements, before you can tell what's really going on in your pool and make any adjustments.

For example, if your free chlorine is low (below 1.0 ppm) but your total chlorine is high (over 2.0), you know there's plenty of chlorine in your pool-but it's there in the undesirable form of chloramines. Which means

it's time to shock to ~~raise free chlorine.~~ oxidize and destroy the chloramines.

On the other hand, if both your free and total chlorine levels are low (below 1.0), you know that your pool just isn't getting enough chlorine on a routine basis. So you need to raise your routine chlorination dosages until ~~total~~ free chlorine is up to 1.0 to 3.0 parts per million (ppm). Then test free chlorine and shock if necessary.

Aqua Chem 4-Way Test Strips are the most accurate way to measure free chlorine. Details and dosages for routine chlorination, adjusting free chlorine and shocking are on the dosage chart.

Shocking

~~To supplement shocking as just described above,~~ We recommend shocking every two weeks and after heavy pool use or rainstorms ~~to keep your pool clean and algae free.~~ You'll find details on the dosage chart.

Adjusting Stabilizer

In the next section where different types of chlorine are discussed, we will explain unstabilized and stabilized chlorine. And we'll recommend you use stabilized chlorine-the more convenient, one-step sanitizer.

But even then,just once during the season (ideally when you open your pool), use a 6-Way Test Kit to determine your stabilizer level. It should be between 30 and 40 parts per million (ppm). If it's not, add Aqua Chem Stabilizer following the dosage chart.

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	Frequently used spa	Infrequently used spa
Alkalinity	Weekly	Monthly
pH	Daily	Weekly
Calcium hardness	Fresh fill water	Fresh fill water

2. SANITIZE

The second step in Aqua Chem's easy three step program is to sanitize your spa. Proper sanitation plays a very important part in keeping your spa or hot tub free of algae and bacteria. Due to its role in keeping everything clean, sanitizers should be tested and adjusted several times a week to maintain a healthy, clean spa. This routine should be followed whether the spa is in use or not.

Bromination

The preferred form of sanitation for spas and hot tubs is bromine. The key reason is that bromine kills more bacteria and algae at higher temperatures than does chlorine. In addition, unlike chlorine, bromine spas produce much less odor.

Keep your bromine level between 2.0 and 4.0 ppm. If your bromine level should fall below 2.0 ppm, add more Aqua Chem **Brominating Tablets**, or add a self dispensing Aqua Chem **Brominating Floater** (color coded green).

Chlorination

An excellent form of sanitation for spas and hot tubs is chlorine. Keep chlorine levels at 1 .0 - 3.0 ppm. If your chlorine level should fall below 1.0 ppm, add Aqua Chem **Stabilized Granules** (color coded yellow).

3. SHOCK

BioLab will remove this language and propose substitute language

Superchlorination or shock treatment is a procedure designed to raise the sanitizer level of your spa to a range that will kill or oxidize the contaminants which are resistant to normal bromine or chlorine levels.

Shock treatments should be performed every two to four weeks depending on spa temperature and usage. If temperatures are high and your spa is used frequently, shock every two weeks. If spa temperatures are kept low and usage is infrequent, every four weeks is fine. We also recommend shocking your spa after heavy bather loads, or (if it is outside) after heavy rains.

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| Maintenance Troubleshooting |

AQUA CHEM

Using the Right Products for the Job

Glossary

Aqua Chem spa products are designed for maximum efficiency with a minimum of effort. So you can spend less time maintaining your spa or hot tub, and more time soaking in it.

Each product is color coded so it's easy to know you're using the right product for the job. Some products needed, but not carried in the spa line of chemicals, can be obtained through Aqua Chem's pool line, most likely found in the same aisle at your local retailer.

Red is for pH Adjusters

You will find Aqua Chem **pH Decreaser** and **pH Add** in our spa line of chemicals.

Green is for Sanitizing Chemicals

Aqua Chem **Stabilized Granules** for spas come in fast dissolving granular form, perfect for your hot water needs. The preferred sanitation method for spas, bromine, is found under the green color code.

Orange is for Shocking

When you need to shock your spa, look for Aqua Chem **Shock Treatments** in the orange color code. ~~We recommend using Shock-Plus™ because it dissolves quickly, and a 1 lb. bag treats 12,000 gallons.~~

Look for Aqua Chem's **Algaecide** for spas. Its quaternary ammonium formulation destabilizes the cell wall of algae, allowing bromine or chlorine to kill the algae.

Green is for Specialty & Accessory Products

This color code is made of specialty items for your spa, no less important than the previous four categories, but essentially a catch all for other products.

This color code includes bromine, the preferred form of sanitation for spas and hot tubs. Aqua Chem **Brominating Tablets** or the self dispensing **Brominating Floater** allow odor-free sanitation of your