



Agriculture and
Agri-Food Canada

Agriculture et
Agro-alimentaire Canada

Dir93-05

Food Production
and Inspection Branch

Direction générale,
Production et inspection des aliments

Plant Industry Directorate

Direction de l'industrie des produits végétaux

Regulatory Directive

Scheduling of Selected Pool and Spa Chemicals

The purpose of this Regulatory Directive is to exempt selected swimming pool and spa chemical products from registration as per section 5(c) of the *Pest Control Products Regulations*.

This Regulatory Directive replaces Memorandum to Registrants R92-01.

(publié aussi en français)

February 18, 1993

This document is published by the Submission Management and Information Division, Pest Management Regulatory Agency. For further information, please contact:

Publications Coordinator
Pest Management Regulatory Agency
Health Canada
2250 Riverside Drive
A.L. 6606D1
Ottawa, Ontario
K1A 0K9

Internet: pmra_publications@hc-sc.gc.ca
www.hc-sc.gc.ca
Facsimile: (613) 736-3798
Information Service:
1-800-267-6315 or (613) 736-3799

Canada

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1.0 Background Information

Scheduling allows a reduction in paper burden for both industry and government while at the same time allowing a degree of control of products being marketed. It does, however, place greater responsibility on industry to ensure that products marketed meet certain basic standards.

Section 5(1)(c)(i) of the *Regulations* allows exemption from registration of specific kinds and types of products, provided they meet all the applicable conditions set out in Schedule II of the *Pest Control Products Regulations*.

Products which meet the conditions of Schedule II of the *Regulations* remain under the authority of the *Pest Control Products Act* and are subject to routine sampling and enforcement programs. However, provided they comply with all the terms and conditions set out in Schedule II, they are exempt from the registration process including documentation and renewals.

2.0 Products

The amendment to the *Regulations* will schedule approximately 500 selected Domestic Class products currently registered for the control of bacteria and/or algae, in residential swimming pools and spas. Any additional products, marketed after the publication of this Regulatory Directive, which meet the conditions outlined below will also be subject to Schedule II.

Products that contain concentrations, mixtures or active ingredients other than those listed in the schedule, and commercial class/category products will be subject to the normal registration review process. See Regulatory Directive Dir93-06 for conditions and model labels.

3.0 Terms and Conditions of the Schedule

To be subject to scheduling, rather than registration, products must meet the following conditions:

- 3.1 The product is represented or sold as a domestic class swimming pool or spa product to control bacteria and/or algae. All sources of the technical active ingredient used in the product must be registered under the *Pest Control Products Act* and *Regulations*. The active ingredients must be listed in item 5 of this Regulatory Directive.
- 3.2 Appropriate contents, use instructions, limitations, precautionary statements and hazard symbols must appear on the product label; and
- 3.3 Prescribed limitations on the concentration of registered active ingredient and the amount of available chlorine content must be followed.

4.0 Active Ingredients

The following is a list of the active ingredients used in the scheduled swimming pool and spa products:

SWIMMING POOL ACTIVE INGREDIENTS	Concentration*	Available Chlorine (%)
a) sodium hypochlorite	10.8	10.3
b) calcium hypochlorite	65	65
c) calcium hypochlorite	70	70
d) lithium hypochlorite	29	35
e) trichloro-s-triazinetrione	100	90
f) sodium dichloro-s-triazinetrione	100	62
g) sodium dichloro-s-triazinetrione dihydrate	100	56
SPA ACTIVE INGREDIENTS		
a) lithium hypochlorite	29	35
b) sodium dichloro-s-triazinetrione	100	62
c) sodium dichloro-s-triazinetrione dihydrate	100	56
d) sodium bromide	35	-
e) potassium monopersulphate	32	-

*Weight of active ingredient as a percentage of product weight.

5.0 Considerations

- 5.1 The amendment to Schedule II meets the requirements of the *Pest Control Products Act* for safe and functional products based on familiarity with these formulation types and many years of registration experience with these products;
- 5.2 This amendment reduces administrative costs for industry and the federal government;
- 5.3 The amendment provides a continuing regulatory control mechanism based on the requirement for registration of the technical active ingredient in these formulations, and does not remove the authority for enforcement of other sections of the *Pest Control Products Regulations*;
- 5.4 This change provides the consumer with increased opportunity for a less complicated choice in the marketplace through standardized label claims regarding product performance;
- 5.5 The amendment does not expand the use pattern for these active ingredients.

6.0 The following information must be provided on the label

6.1 The principal display panel of the label must contain:

- (a) the function of the product;
- (b) the information referred to in Schedule II of the *Regulations* in the Table following Section 9; items 1, 2, and 3 must be set out as guarantee statement in the following manner:
 - (i) the word “GUARANTEE” in upper case letters followed by
 - (ii) a colon, followed by
 - (iii) the common name of the active ingredient of the control product as set out in CSA Standard Z143-1980, *Common Names for Pest Control Chemicals*, dated January 1980, or, where no common name for the ingredient is set out in that Standard, the chemical or other name of that ingredient, followed by
 - (iv) the contents of the active ingredient expressed
 - in the case of a control product that is liquid, as a percentage by mass or as mass per unit volume, or both, or
 - in the case of a control product that is a dust, a wettable powder or other dry formulation, as a percentage by mass;
- (c) Hazard statements and warnings including:
 - (i) the appropriate precautionary symbols according to the attached model labels (primary hazard superimposed on the degree of hazard (as illustrated in Schedule III of the *Regulations*);
 - (ii) the appropriate signal words as determined by the attached model labels;
 - (iii) a statement respecting the nature of the primary hazard to which the symbol relates.
- (d) A declaration of net quantity of the control product in the package expressed
 - (i) by volume, in the case of a control product that is a liquid or gas or is viscous, or
 - (ii) by mass, in the case of a control product that is solid or pressure-packed.
- (e) The name and postal address of the Canadian agent or distributor.

- (f) The statement, “SCHEDULED UNDER THE PEST CONTROL PRODUCTS ACT”.
Do not use the original Pest Control Products Registration Number.

6.2 The secondary display panel of the label must contain:

- (a) Instructions for disposal of the control product and its empty packages as per the attached model labels;
- (b) the information referred to in the Table to Section 9, items 4, 5, 6 and 7, Schedule II of the *Regulations* as follows:
- (i) The direction for the use of the control products including dosage rates, time of application and use limitation.
- (ii) Information identifying any hazards respecting the handling, storage, display, distribution and disposal of the control products, including instructions respecting procedures to alleviate the hazards.
- (iii) Information identifying any hazards to
- things on, or in relation to which, the control product is intended to be used; and
 - public health, plants, animals or the environment.
- (iv) Instructions respecting procedures to alleviate the hazards referred to in paragraphs (iii) above.
- (v) Instructions in first aid, under the heading “FIRST AID INSTRUCTIONS” in upper case letters setting out the practical measures to be taken in the event of poisoning, intoxication or injury caused by the control product.

The registrant will find the Model Labels for Pool and Spa Chemicals (attached) useful in preparing the labels. For the use and concentration of active ingredients described in this schedule, the registrant can use the Model Labels by inserting their company’s relevant information (i.e., address, etc.).

7.0 Procedures

1. The scheduling of these pool and spa products is expected to take effect in early 1993.
2. Products that are currently registered must comply with Schedule II criteria in order to be scheduled. These products will retain their registration status until 31 December 1995; so that old stock bearing the registered label can be used. New labels will carry the message

“SCHEDULED UNDER THE PEST CONTROL PRODUCTS ACT” instead of the original PCP registration number.

3. New labels can be used for the 1993 season.
4. Registrants of the technical active ingredients are requested to inform clients of the new conditions which are set out in Schedule II of the *PCP Regulations*.

Please direct any inquiries regarding this Regulatory Directive to:

Antimicrobial Products Section
Pest Management Regulatory Agency
Health Canada
A.L. 6606D1
2250 Riverside Drive
Ottawa, Ontario
K1A 0K9

[SAMPLE LABEL]

[PRINCIPAL DISPLAY PANEL]

[SHC Sodium Hypochlorite]

YOUR BRAND DESIGNATION

[Pool Sanitizer-1]

CHLORINATING LIQUID

CONTROLS BACTERIA AND ALGAE

In
Swimming Pool Waters

DOMESTIC

GUARANTEE: Sodium Hypochlorite 10.8%
Available Chlorine Content 10.3%

SCHEDULED UNDER THE PEST CONTROL PRODUCTS ACT



WARNING CORROSIVE

Net Contents

READ THE LABEL BEFORE USING

Your Company, Your street (or P.O. Box No.)
Your city, Your province, Postal Code

[SECONDARY DISPLAY PANEL (2)]

[SHC Sodium Hypochlorite]

PRECAUTIONS

Keep out of reach of children.

Dangerous gas formed when mixed with acid.

Do not mix with any other chemical.

Avoid contact with skin and eyes.

Harmful if swallowed.

Keep container closed and store in a cool location.

Rinse container thoroughly before discarding. Do not reuse.

For information on the disposal of unused, unwanted product and on the cleanup of spills, contact your municipality, provincial Ministry of Environment or the regional office of Environment Canada.

FIRST AID

If splashed in eyes or on skin, flush thoroughly with water for 15 minutes. For eye contact, get medical attention. If swallowed, drink one glass of milk or water. Call a physician IMMEDIATELY.

DIRECTIONS FOR USE

Maintain recommended daily levels as determined by testing kit.

Free available chlorine: 1.0 - 3.0 ppm

pH: 7.2 - 7.8

Total alkalinity: 100 - 120 ppm

Calcium hardness: 200 - 300 ppm

Initially superchlorinate pool water by adding to the pool 1 L of **[Pool Sanitizer-1]** per 10,000 L of pool water. For best results superchlorinate at dusk.

Chlorinate daily to maintain proper chlorine residual with 250 mL of **[Pool Sanitizer-1]** per 10,000 L of pool water, or as needed.

NOTE:. Hot weather, heavy pool usage, and rain may require higher usage rates to maintain proper chlorine residuals.

Superchlorinate weekly with 1 L of **[Pool Sanitizer-1]** per 10,000 L of pool water when average daily temperature is 25°C - 32°C. Otherwise, superchlorinate every other week.

For visible algae, superchlorinate using 2 L of **[Pool Sanitizer-1]** per 10,000 L of pool water. Heavy algae infestation may require dosages up to 3 L per 10,000 L. Vacuum pool when dead algae settles.

For wading pools, chlorinate daily to maintain a chlorine residual of 3-5 ppm by adding 45 mL of **[Pool Sanitizer-1]** per 1000 L of pool water, or as needed.

NOTE:. For outdoor pools, chlorine residuals can be protected from destruction by sun's rays by addition of stabilizer (cyanuric acid).

[SAMPLE LABEL]

[PRINCIPAL DISPLAY PANEL]

[CHC Calcium Hypochlorite]

YOUR BRAND DESIGNATION

[Pool Sanitizer-2]

CHLORINATING GRANULES

CONTROLS BACTERIA AND ALGAE

in

Swimming Pool Waters

DOMESTIC

GUARANTEE: Calcium Hypochlorite . . . 65%
Available Chlorine Content. 65%

(For Calcium Hypochlorite - 70%, Substitute 70% for 65%)

SCHEDULED UNDER THE PEST
WARNING

CONTROL PRODUCTS ACT

POISON



CORROSIVE

Net Contents

READ THE LABEL BEFORE USING

Your Company, Your street (or P.O. Box No.)
Your city, Your province, Postal Code

[SECONDARY DISPLAY PANELS (2)]

[CHC Calcium Hypochlorite]

PRECAUTIONS

Keep out of reach of children.

Strong oxidizing agent. May cause fire or explosion if contaminated.

Dangerous gas formed when mixed with acid.

Do not mix with any other chemical.

Avoid contact with skin and eyes.

Harmful or fatal if swallowed.

Keep container closed and store in a cool, dry location.

Rinse container thoroughly before discarding. Do not reuse.

For information on the disposal of unused, unwanted product and on the cleanup of spills, contact your municipality, provincial Ministry of Environment or the regional office of Environment Canada.

FIRST AID

If splashed in eyes or on skin, flush thoroughly with water for 15 minutes. For eye contact, get medical attention. If swallowed, drink two or three glasses of milk or water. Call a physician **IMMEDIATELY**.

DIRECTIONS FOR USE

Maintain recommended daily levels as determined by testing kit.

Free available chlorine:	1.0 - 3.0 ppm
pH:	7.2 - 7.8
Total alkalinity:	80 - 120 ppm
Calcium hardness:	200 - 300 ppm

To minimize bleaching, predissolve required amount of [**Pool Sanitizer-2**] in a plastic pail with concentration not exceeding 1 kg per 10 L of water. Always add chemical to water, **NEVER** water to chemical. Broadcast resulting slurry directly to pool water.

Initially, superchlorinate pool water with 150 g of [**Pool Sanitizer-2**] per 10,000 L of pool water. For best results, superchlorinate at dusk.

Maintain proper chlorine residual by broadcasting daily over the pool's surface, 30 g of [**Pool Sanitizer-2**] per 10,000 L of pool water, or as needed.

NOTE:. Hot weather, heavy pool usage, and rain may require higher usage rates to maintain proper chlorine residuals.

Superchlorinate weekly using 150 g of [**Pool Sanitizer-2**] per 10,000 L of pool water when average daily temperature is 25°C - 32°C. Otherwise, superchlorinate every other week.

For visible algae, superchlorinate using 350 g of [**Pool Sanitizer-2**] per 10,000 L of pool water. Heavy algae infestation may require dosages up to 500 g per 10,000 L. Vacuum pool when dead algae settles.

NOTE:. For outdoor pools, chlorine residuals can be protected from destruction by sun's rays by addition of stabilizer (cyanuric acid).

[SAMPLE LABEL ONLY]

[PRINCIPAL DISPLAY PANEL]

[CHC Calcium Hypochlorite Tablets]

YOUR BRAND DESIGNATION

[Pool Sanitizer-3]

CHLORINATING TABLETS

CONTROLS BACTERIA AND ALGAE

in

Swimming Pool Waters

DOMESTIC

GUARANTEE: Calcium Hypochlorite . . . 65%
Available Chlorine Content 65%

[For Calcium Hypochlorite - 70%, Substitute 70% for 65%]

SCHEDULED UNDER THE PEST CONTROL PRODUCTS ACT

WARNING

POISON



CORROSIVE

Net Contents

READ THE LABEL BEFORE USING

Your Company, Your street (or P.O. Box No.)
Your city, Your province, Postal Code

[SECONDARY DISPLAY PANELS (2)]

[CHC Calcium Hypochlorite Tablets]

PRECAUTIONS

Keep out of reach of children.

Dangerous gas formed when mixed with acid.

Do not mix with any other chemical.

Strong oxidizing agent. May cause fire or explosion if contaminated.

Avoid contact with skin and eyes.

Harmful if swallowed.

Keep container closed and store in a cool, dry location.

Rinse container thoroughly before discarding. Do not reuse.

For information on the disposal of unused, unwanted product and on the cleanup of spills, contact your municipality, provincial Ministry of Environment or the regional office of Environment Canada.

FIRST AID

If splashed in eyes or on skin, flush thoroughly with water for 15 minutes. For eye contact, get medical attention. If swallowed, drink two or three glasses of milk or water. Call a physician IMMEDIATELY.

DIRECTIONS FOR USE

Weight per Tablet __g.

WARNING

Direct Tablet Contact May Cause Bleaching of Vinyl or Painted Pool Surfaces

Automatic Feeding Devices Employing These Tablets Must be Totally Free from Traces of other Pool Sanitizers To Avoid the Probability of an Explosion

Maintain proper daily levels as determined by testing kit.

Free available chlorine: 1.0 - 3.0 ppm
pH: 7.2 - 7.8
Total alkalinity: 80 - 120 ppm
Calcium hardness: 200 - 300 ppm

To minimize bleaching, predissolve required amount of [**Pool Sanitizer-3**] in a plastic pail with concentration not exceeding 1 kg per 10 L of pool water. Always add chemical to water, **NEVER** water to chemical. Dissolution time is approximately 4 hours. Add resulting slurry directly to pool water.

Initially, superchlorinate pool water by adding 150 g of [**Pool Sanitizer-3**] per 10,000 L of pool water. For best results superchlorinate at dusk.

Maintain proper chlorine residual by broadcasting daily over the pool's surface, 30 g of the [**Pool Sanitizer-3**] tablets per 10,000 L of pool water, or as needed. For automatic feeding devices, adjust flow rate, according to manufacturer's recommendations, to maintain proper chlorine residual.

NOTE:. Hot weather, heavy pool usage, and rain may require higher usage rates to maintain proper chlorine residuals.

Superchlorinate weekly with 150 g of the [**Pool Sanitizer-3**] tablets per 10,000 L of pool water when average daily temperature is 25°C - 32°C. Otherwise, superchlorinate every other week.

For visible algae, superchlorinate using 350 g of the [**Pool Sanitizer-3**] tablets per 10,000 L of pool water. Heavy algae infestation may require dosages up to 500 g per 10,000 L. Vacuum pool when dead algae settles.

NOTE:. For outdoor pools, chlorine residuals can be protected from destruction by sun's rays by addition of stabilizer (cyanuric acid).

[SAMPLE LABEL]

[PRINCIPAL DISPLAY PANEL]

[LHC Lithium Hypochlorite-Pool]

YOUR BRAND DESIGNATION

[Pool Sanitizer-4]

CHLORINATING GRANULES

CONTROLS BACTERIA AND ALGAE

in

Swimming Pool Waters

DOMESTIC

GUARANTEE: Lithium Hypochlorite 29%
 Available Chlorine Content 35%

SCHEDULED UNDER THE PEST CONTROL PRODUCTS ACT
WARNING

POISON



CORROSIVE

Net Contents

READ THE LABEL BEFORE USING

Your Company, Your street (or P.O. Box No.)
Your city, Your province, Postal Code

[SECONDARY DISPLAY PANELS (2)]

[LHC Lithium Hypochlorite-Pool]

PRECAUTIONS

Keep out of reach of children.

Dangerous gas formed when mixed with acid.

Do not mix with any other chemical.

Strong oxidizing agent.

Avoid contact with skin and eyes.

Harmful if swallowed.

Keep container closed and store in a cool, dry location.

Rinse container thoroughly before discarding. Do not reuse.

For information on the disposal of unused, unwanted product and on the cleanup of spills, contact your municipality, provincial Ministry of Environment or the regional office of Environment Canada.

FIRST AID

If splashed in eyes or on skin, flush thoroughly with water for 15 minutes. For eye contact, get medical attention. If swallowed, drink one glass of milk or water. Call a physician IMMEDIATELY.

DIRECTIONS FOR USE

Maintain recommended daily levels as determined by testing kit.

Free available chlorine:	1.0 - 3.0 ppm
pH:	7.2 - 7.8
Total alkalinity:	80 - 120 ppm
Calcium hardness:	200 - 300 ppm

Superchlorinate pool water initially by broadcasting over the pool's surface, 275 g of **[Pool Sanitizer-4]** per 10,000 L of pool water. For best results, superchlorinate at dusk.

Maintain proper chlorine residual by broadcasting daily over the pool's surface, 50 g of **[Pool Sanitizer-4]** per 10,000 L of pool water, or as needed.

NOTE:. Hot weather, heavy pool usage, and rain may require higher usage rates to maintain proper chlorine residuals.

Superchlorinate weekly by adding 275 g of **[Pool Sanitizer-4]** per 10,000 L of pool water when average daily temperature is 25°C - 32°C. Otherwise, superchlorinate every other week.

For visible algae, superchlorinate with 450 g of **[Pool Sanitizer-4]** per 10,000 L of pool water. Heavy algae infestation may require dosages up to 850 g per 10,000 L. Vacuum pool when dead algae settles.

NOTE:. For outdoor pools, chlorine residuals can be protected from destruction by sun's rays by addition of stabilizer (cyanuric acid).

[SAMPLE LABEL]

[PRINCIPAL DISPLAY PANEL]

[TST Trichloro-s-triazinetriene Tablets]

YOUR BRAND DESIGNATION

[Pool Sanitizer-5]

STABILIZED CHLORINATING TABLETS

CONTROLS BACTERIA AND ALGAE

in

Swimming Pool Waters

DOMESTIC

GUARANTEE: Trichloro-s-triazinetriene 100%
Available Chlorine Content 90%

SCHEDULED UNDER THE PEST CONTROL PRODUCTS ACT

CAUTION



POISON



CORROSIVE

Net Contents

READ THE LABEL BEFORE USING

Your Company, Your street (or P.O. Box No.)
Your city, Your province, Postal Code

[SECONDARY DISPLAY PANEL (2)]

[TST Trichloro-s-triazinetriene Tablets]

PRECAUTIONS

Keep out of reach of children.

Dangerous gas formed when mixed with acid.

Do not mix with any other chemical.

Strong oxidizing agent. May cause fire or explosion if contaminated.

Avoid contact with skin and eyes.

Harmful if swallowed.

Keep container closed and store in a cool, dry location.

Rinse container thoroughly before discarding. Do not reuse.

For information on the disposal of unused, unwanted product and on the cleanup of spills, contact your municipality, provincial Ministry of Environment or the regional office of Environment Canada.

FIRST AID

If splashed in eyes or on skin, flush thoroughly with water for 15 minutes. For eye contact, get medical attention. If swallowed, drink one glass of milk or water. Call a physician IMMEDIATELY.

DIRECTIONS FOR USE

Weight per Tablet __g.

WARNING

Direct Tablet Contact May Cause Bleaching of Vinyl or Painted Pool Surfaces

Automatic Feeding Devices Employing These Tablets Must be Totally Free from Traces of other Pool Sanitizers To Avoid the Probability of an Explosion

Maintain recommended daily levels as determined by testing kit.

Free available chlorine:	1.0 - 3.0 ppm
pH:	7.2 - 7.8
Total alkalinity:	100 - 120 ppm
Calcium hardness:	200 - 300 ppm

For outdoor pools, chlorine residuals can be protected from destruction by the sun's rays by adding 300 g of stabilizer [cyanuric acid] per 10,000 L of pool water to yield the required initial concentration of 30 ppm.

If using an automatic chlorinator, fill the chamber[s] with tablets and adjust flow rate, according to manufacturer's recommendations, to maintain proper chlorine residual. Adding tablets to the pool's skimmer basket is an alternative chlorine feed method. Daily usage should approximate 25 g of **[Pool Sanitizer-5]** per 10,000 L of pool water.

NOTE:. Hot weather, heavy pool usage, and rain may require higher usage rates to maintain proper chlorine residuals.

Periodic superchlorination of pool water is recommended. Follow label instructions of superchlorination product being employed.

[Pool Sanitizer-5] contains stabilizer which can accumulate in pool water. Keep stabilizer within the range of 30 - 100 ppm by dilution with fresh water.

[SAMPLE LABEL]

[PRINCIPAL DISPLAY PANEL]

[SDT Sodium Dichloro-s-triazinetriene-Pool]

YOUR BRAND DESIGNATION

[Pool Sanitizer-6]

STABILIZED CHLORINATING GRANULES

CONTROLS BACTERIA AND ALGAE

in

Swimming Pool Waters

DOMESTIC

GUARANTEE:	Sodium Dichloro-s-Triazinetrione...	100%
	Available Chlorine Content	62%

[or]

[GUARANTEE:. Sodium Dichloro-s-triazinetriene Dihydrate ... 100%]
[Available Chlorine Content ... 56%]

SCHEDULED UNDER THE PEST CONTROL PRODUCTS ACT

CAUTION



POISON



CORROSIVE

Net Contents

READ THE LABEL BEFORE USING

Your Company, Your street (or P.O. Box No.)
Your city, Your province, Postal Code

[SECONDARY DISPLAY PANEL (2)]

[SDT Sodium Dichloro-s-triazinetriene-Pool]

PRECAUTIONS

Keep out of reach of children.

Dangerous gas formed when mixed with acid.

Do not mix with any other chemical.

Strong oxidizing agent. May cause fire or explosion if contaminated.

Avoid contact with skin and eyes.

Harmful if swallowed.

Keep container closed and store in a cool, dry location.

Rinse container thoroughly before discarding. Do not reuse.

For information on the disposal of unused, unwanted product and on the cleanup of spills, contact your municipality, provincial Ministry of Environment or the regional office of Environment Canada.

FIRST AID

If splashed in eyes or on skin, flush thoroughly with water for 15 minutes. For eye contact, get medical attention. If swallowed, drink one glass of milk or water. Call a physician IMMEDIATELY.

DIRECTIONS FOR USE

Maintain proper daily levels as determined by testing kit.

Free available chlorine:	1.0 - 3.0 ppm
pH:	7.2 - 7.8
Total Alkalinity:	80 - 120 ppm
Calcium Hardness:	200 - 300 ppm

For outdoor pools, chlorine residuals can be protected from destruction by the sun's rays by adding 300 g of stabilizer [cyanuric acid] per 10,000 L of pool water to yield the required initial concentration of 30 ppm.

Maintain proper chlorine residual by broadcasting daily over the pool's surface, 40 g of **[Pool Sanitizer-6]** per 10,000 L of pool water, or as needed.

NOTE:. Hot weather, heavy pool usage, and rain may require higher usage rates to maintain proper chlorine residuals.

Periodic superchlorination of pool water is recommended. Follow label instructions of superchlorination product employed.

[Pool Sanitizer-6] contains stabilizer which can accumulate in pool water. Keep stabilizer within the range of 30 -100 ppm by dilution with fresh water.

While **[Pool Sanitizer-6]** can be used for superchlorination, using 180 g per 10,000 L of pool water, care must be taken to avoid excessive accumulation of stabilizer.

[SAMPLE LABEL]

[PRINCIPAL DISPLAY PANEL]

[LHC Lithium Hypochlorite-Spa]

YOUR BRAND DESIGNATION

[Spa Sanitizer-1]

CHLORINATING GRANULES

CONTROLS BACTERIA AND ALGAE

in
Spa Waters

DOMESTIC

GUARANTEE: Lithium Hypochlorite 29%
Available Chlorine Content 35%

SCHEDULED UNDER THE PEST CONTROL PRODUCTS ACT

WARNING

POISON



CORROSIVE

Net Contents

READ THE LABEL BEFORE USING

Your Company, Your street (or P.O. Box No.)
Your city, Your province, Postal Code

[SECONDARY DISPLAY PANELS (2)]

[LHC Lithium Hypochlorite-Spa]

PRECAUTIONS

Keep out of reach of children.

Strong oxidizing agent.

Dangerous gas formed when mixed with acid.

Do not mix with any other chemical.

Avoid contact with skin and eyes.

Harmful if swallowed.

Keep container closed and store in a cool, dry location.

Rinse container thoroughly before discarding. Do not reuse.

For information on the disposal of unused, unwanted product and on the cleanup of spills, contact your municipality, provincial Ministry of Environment or the regional office of Environment Canada.

FIRST AID

In case of contact in eyes or on skin, flush thoroughly with water for 15 minutes. For eye contact, get medical attention. If swallowed, drink one glass of milk or water. Call a physician IMMEDIATELY.

DIRECTIONS FOR USE

Maintain recommended daily levels as determined by testing kit.

Free available chlorine:	3.0 - 5.0 ppm
pH:	7.2 - 7.8
Total alkalinity:	100 - 120 ppm
Calcium hardness:	150 - 200 ppm

Superchlorinate a freshly filled spa by adding 35 g of **[Spa Sanitizer-1]** per 1000 L of spa water. Maintain water circulation at least 15 minutes before using. Repeat superchlorination procedure after each use period.

Maintain proper chlorine residual by adding 15 g of [**Spa Sanitizer-1**] per 1000 L of spa water, daily or as needed.

Persistent foam formation, turbid, or malodorous water are indicators of inadequate sanitizer levels. To correct such conditions, superchlorinate spa water by adding 50 g of [**Spa Sanitizer-1**] per 1000 L of spa water. Maintain circulation at least 30 minutes and wait four hours before using.

For proper sanitation, spa must be completely drained periodically. The number of days between COMPLETE SPA DRAINAGE is equal to the volume of spa water in litres, divided by 10 times the maximum number of daily spa users. Refill spa with water and repeat DIRECTIONS FOR USE.

Maximum spa water usage temperature is 40°C. Duration in spa water at 40°C should not exceed 15 minutes.

[SAMPLE LABEL]

[PRINCIPAL DISPLAY PANEL]

[SDT Sodium Dichloro-s-triazinetrione-Spa]

YOUR BRAND DESIGNATION

[Spa Sanitizer-2]

STABILIZED CHLORINATING GRANULES

CONTROLS BACTERIA AND ALGAE

in
Spa Waters

DOMESTIC

GUARANTEE: Sodium Dichloro-s-Triazinetrione 100%
Available Chlorine Content 62%

[OR]

GUARANTEE: Sodium Dichloro-s-triazinetrione
Dihydrate ... 100%
[Available Chlorine Content ... 56%]

SCHEDULED UNDER THE PEST CONTROL PRODUCTS ACT

CAUTION



POISON CORR

OSIVE

Net Contents

READ THE LABEL BEFORE USING

Your Company, Your street (or P.O. Box No.)
Your city, Your province, Postal Code

[SECONDARY DISPLAY PANELS (2)]

[SDT Sodium Dichloro-s-triazinetriene-Spa]

PRECAUTIONS

Keep out of reach of children.

Strong oxidizing agent. May cause fire or explosion if contaminated.

Dangerous gas formed when mixed with acid.

Do not mix with any other chemical.

Avoid contact with skin and eyes.

Harmful if swallowed.

Keep container closed and store in a cool, dry location.

Rinse container thoroughly before discarding. Do not reuse.

For information on the disposal of unused, unwanted product and on the cleanup of spills, contact your municipality, provincial Ministry of Environment or the regional office of Environment Canada.

FIRST AID

In case of contact in eyes or on skin, flush thoroughly with water for 15 minutes. For eye contact, get medical attention. If swallowed, drink one glass of milk or water. Call a physician IMMEDIATELY.

DIRECTIONS FOR USE

Maintain recommended daily levels as determined by testing kit.

Free available chlorine:	3.0 - 5.0 ppm
pH:	7.2 - 7.8
Total alkalinity:	100 - 120 ppm
Calcium hardness:	150 - 200 ppm

Superchlorinate a freshly filled spa by adding 20 g of **[Spa Sanitizer-2]** per 1000 L of spa water. Maintain water circulation at least 15 minutes before using. Repeat superchlorination procedure after each use period.

Maintain proper chlorine residual by adding 10 g of [**Spa Sanitizer-2**] per 1000 L of spa water, daily or as needed.

Persistent foam formation, turbid, or malodorous water are indicators of inadequate sanitizer levels. To correct such conditions, superchlorinate spa water by adding 30 g of [**Spa Sanitizer-2**] per 1000 L of spa water. Maintain circulation at least 30 minutes and wait four hours before using.

[**Spa Sanitizer-2**] contains stabilizer [cyanuric acid] which will accumulate in spa water. Keep stabilizer within 30-100 ppm range by dilution with fresh water.

For proper sanitation, spa must be completely drained periodically. The number of days between COMPLETE SPA DRAINAGE is equal to the volume of spa water in litres, divided by 10 times the maximum number of daily spa users. Refill spa with water and repeat DIRECTIONS FOR USE.

Maximum spa water usage temperature is 40°C. Duration in spa water at 40°C should not exceed 15 minutes.

[SAMPLE LABEL]

[PRINCIPAL DISPLAY PANEL]

[SBR Sodium Bromide]

YOUR BRAND DESIGNATION

[Spa Sanitizer-3A]

PART A OF A TWO PRODUCT SANITIZER SYSTEM

Provides Bromine Sanitation When
Used with [Spa Sanitizer-3B]

CONTROLS BACTERIA AND ALGAE
in
Spa Waters

DOMESTIC

GUARANTEE: Sodium Bromide 35%

SCHEDULED UNDER THE PEST CONTROL PRODUCTS ACT

NET CONTENTS

READ THE LABEL BEFORE USING

Your Company, Your street (or P.O. Box No.)
Your city, Your province, Postal Code

[SECONDARY DISPLAY PANELS [2]]

[SBR Sodium Bromide]

PRECAUTIONS

Keep out of reach of children.

Avoid contact with skin and eyes.

Harmful if swallowed.

For information on the disposal of unused, unwanted product and on the cleanup of spills, contact your municipality, provincial Ministry of Environment or the regional office of Environment Canada.

FIRST AID

In case of contact in eyes or on skin, flush thoroughly with water for 15 minutes. For eye contact, get medical attention. If swallowed, drink one glass of milk or water. Call a physician IMMEDIATELY.

DIRECTIONS FOR USE

[SPA SANITIZER-3A] MUST BE USED IN COMBINATION WITH [SPA SANITIZER-3B] TO EFFECT BROMINE SANITATION IN SPA WATERS

INITIAL DOSAGE: Add 125 mL of [**Spa Sanitizer-3A**] per 1000 L of spa water.

WEEKLY DOSAGE: Add 30 mL of [**Spa Sanitizer-3A**] per 1000 L of spa water.

Add [**Spa Sanitizer-3B**] as directed.

[SAMPLE LABEL]

[PRINCIPAL DISPLAY PANEL]

[KMP Potassium Monopersulphate]

YOUR BRAND DESIGNATION

[Spa Sanitizer-3B]

PART B OF A TWO PRODUCT SANITIZER SYSTEM

Provides Bromine Sanitation When
Used with [Spa Sanitizer-3A]

CONTROLS BACTERIA AND ALGAE
in
Spa Waters

DOMESTIC

GUARANTEE: Potassium Monopersulphate 32%

SCHEDULED UNDER THE PEST

CONTROL PRODUCTS ACT

CAUTION



CORROSIVE

Net Contents

READ THE LABEL BEFORE USING

Your Company, Your street (or P.O. Box No.)
Your city, Your province, Postal Code

[SECONDARY DISPLAY PANELS [2]]

[KMP Potassium Monopersulphate]

PRECAUTIONS

Keep out of reach of children.

Strong oxidizing agent. May cause fire or explosion if contaminated.

Do not mix with any other chemical.

Avoid contact with skin and eyes.

Harmful if swallowed.

Keep container closed and store in a cool, dry location.

Rinse container thoroughly before discarding. Do not reuse.

For information on the disposal of unused, unwanted product and on the cleanup of spills, contact your municipality, provincial Ministry of Environment or the regional office of Environment Canada.

FIRST AID

In case of contact in eyes or on skin, flush thoroughly with water for 15 minutes. For eye contact, get medical attention. If swallowed, drink two or three glasses of milk or water. Call a physician IMMEDIATELY.

DIRECTIONS FOR USE

[SPA SANITIZER-3B] MUST BE USED IN COMBINATION WITH [SPA SANITIZER-3A] TO EFFECT BROMINE SANITATION IN SPA WATERS

Maintain recommended daily levels as determined by testing kit.

Bromine:	3.0 - 5.0 ppm
pH:	7.2 - 7.8
Total alkalinity:	100 - 120 ppm
Calcium hardness:	150 - 200 ppm

Add [**Spa Sanitizer-3A**] to spa water as directed.

Treat a freshly filled spa by adding 125 g of [**Spa Sanitizer-3B**] per 1000 L of spa water to release bromine sanitizer from the bromide salt solution of [**Spa Sanitizer-3A**]. Maintain water circulation at least 30 minutes before using.

Maintain the proper bromine residual by adding 30 g of [**Spa Sanitizer-3B**] per 1000 L of spa water, daily or as needed.

Persistent foam formation, turbid, or malodorous water, are indicators of inadequate sanitizer levels. To correct such conditions, shock spa water by adding 125 g of [**Spa Sanitizer-3B**] per 1000 L of spa water. Maintain circulation at least 30 minutes and wait four hours before using.

For proper sanitation, spa must be completely drained periodically. The number of days between COMPLETE SPA DRAINAGE is equal to the volume of spa water in litres, divided by 10 times the maximum number of daily spa users. Refill spa with water and repeat DIRECTIONS FOR USE.

Maximum spa water usage temperature is 40°C. Duration in spa water at 40°C should not exceed 15 minutes.