

SPA.GIENE

KEEPING YOUR DAY SPA SAFE



The Day Spa Industry

"Duty of Care"

HY.GIENE Australia Pty Ltd
Factory 8 /16 Macquarie Place
BORONIA VIC 3153 Australia
PHONE: 1800 616 930
www.hygieneaustralia.com.au

COMPANY and PRODUCT PROFILE

HY.GIENE Australia Pty Ltd trading as SPA.GIENE is a proudly Australian owned, family controlled company established in 1997. It is responsible for the manufacturing, marketing and distributing of SPA.GIENE and HY.GIENE products.

SPA.GIENE is a wide spectrum antimicrobial product, designed to effectively and hygienically clean the entire surface and pump system of spa baths, hydrotherapy spa baths, auto dishwashers and washing machines, by breaking down and dislodging body fats, hair, organic matter and biological waste from the pump system. It also polishes the acrylic surface and unlike other systems, SPA GIENE will not tarnish gold or chrome plated jets. It is **chlorine-free, non-toxic, non-dangerous, biodegradable** and available for commercial and domestic use.

TESTIMONIES from Australia's leading spa bath manufacturers, hotels, hospitals, brothels and hospitality industry acknowledge that this new product and it's simple application is less harmful, is a considerable improvement in terms of health and safety standards, and is more effective in extending the life of the spa equipment.

SPA.GIENE is Australian made and has a proven record as a leader in spa bath hygiene, supported by a customer base that includes almost every 4 or 5 star hotels, motel chains, nursing homes, and hospitals.

Check our Website: www.spagiene.com.au

FACT SHEET

Company Name: HY.GIENE Australia Pty. Ltd.

ABN: 34 271 614 027

Type of Goods: Chemical Manufacturer and distributor of hygiene products. SPA.GIENE is specifically produced for the total clean of spa baths and hydrotherapy baths, supplying to the commercial and wholesale market.

Postal Address: P.O. Box 910,
Bayswater, Victoria, 3153, Australia

Factory Address: Factory 8,
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Telephone: 61 3 9729 3946

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Website: www.hygieneaustralia.com.au

Distribution: Australia, New Zealand, Asia, United States, Fiji

Director: Peter Harman



SPA.GIENE TECHNICAL BULLETIN

PACKAGING: 50ml, 100ml, 500ml, 1 Litre, 5 Litre, 15 Litre, 25 Litre

UNITS PER CARTON: 50 or 200 – 50ml, 12 - 100ml, 12 - 500ml, 12 - 1 Litre

ACTIVE INGREDIENT: (Neutral pH 7.2) 80g/L Quaternary ammonium compound boosted with Non-Toxic solvent, Stabiliser and Activator for efficient cleaning

COMPATIBILITY: Not suitable with any 'alternative' spa bath chemicals. Most Chlorine/Alkaline cleaning agents tarnish or simply don't achieve the equivalent results as SPA.GIENE.
Non-toxic, chlorine free and Environmentally Friendly.
Spa Pools – Compatible with all sanitisers ie; chlorine, bromine.

AREAS OF USE: SPA.GIENE is specifically designed for the total clean of spa baths and standard baths made from acrylic, fibreglass and enamel. SPA.GIENE is also suitable on any washable surface and toilets.

BRIEF: The base quaternary ammonium component is of the highest grade available and has proven wide spectrum antimicrobial properties. Spa Baths have no filter system and just circulate the water through an unprotected pump and pipes. Body fats and water contaminants can build up in pumps and pipes over time, to eventually cause odours and health problems. This occurs in pipe work and jets that retain water after the spa has been emptied.

DOSAGE: Spa Bath 50ml per spa bath after every use.
Spa Pool 100ml to every 1000 Litres of water

FACTS:

- * Do not add more than 50ml per spa
- * Foaming does occur and areas of foam go brown (body fats)
- * After a minimum 5-10 minutes, turn off and drain the bath. As it is draining, wipe interior of the bath with a clean damp cloth. It is advisable to rinse bath with fresh water after cleaning, then dry off with a clean cloth.
- * Do not mix any detergents or other chemicals with SPA.GIENE or deactivation may occur.

SAFETY: SPA.GIENE contains 80g/L quaternary ammonium compound which is toxic if swallowed. Always store out of reach of children.
If poisoning occurs, contact a doctor or poisons information centre.
Refer material safety data sheet and application chart for medical advice.

SPA.GIENE

FEATURES

BENEFITS

| | |
|---|--|
| ➤ Simple Instructions | Simple Application Less chance of customer service problems |
| ➤ No dangerous chemicals Non-Toxic Chlorine Free Non-Hazardous Not Classified as Hazardous According to Criteria of Worksafe Australia | Hassle free for staff or home users. No freight handling or storage restrictions |
| ➤ Environmental Issues | Biodegradable and suitable for septic systems |
| ➤ Cost Effective | Used with cold water Eliminate other products No residual No re-flushing |
| ➤ Proven Reliability | Satisfied Customers |
| ➤ Quality Product | Premium Strength. Eliminates and prevents bacterial growth. |
| ➤ Competitively Priced | What price do you put on hygiene and cleanliness? |
| ➤ Promotional Material | Comprehensive range of presentation and point of sale materials, including Promotional Video, Brochures, Posters and Counter Displays. |
| ➤ No residue | The bath does not require re filling to flush out twice |
| ➤ No harmful chemicals | Will not tarnish gold chrome or brass plated jets and spa surface. Will not harm pump. |
| ➤ 8% Active quaternary ammonium compound | Proven wide spectrum antimicrobial properties |
| ➤ SPA.GIENE | Gives spa baths the total clean |
| ➤ SPA.GIENE | Will keep spa baths in a meticulous hygienic condition |

Cleaning of Spa Baths:

Information for managers of hotels, motels, cottages, B&B's, health and residential care facilities, therapeutic services, adult services and householders.

The Need to Clean Spa Baths

The problem:

- Spa baths circulate water through pipes with the assistance of a pump and a booster heater.
- Spa baths, unlike swimming pools or spa pools do not have a filter so any dirt that is not drained out remains within the piping system.
- Body fats, together with soap residue and other products such as aromatherapy oils become deposited on the insides of the piping system which block off the supply of water to the outlets and are also a hygiene problem.
- Apart from the grease from previous users, this debris is also a harbourage for the survival of bacteria such as Pseudomonas and Staphylococcus, which can be associated with ear, eye, hair follicle and wound infections.
- Circulating the water by itself does not usually remove this material. A degreasing solution must be used to remove these fats and oils.

The solution:

- There are commercially formulated degreasing solutions specifically manufactured for use in spas.
- When circulated according to manufacturer's directions, these should remove all fats and debris that are adhered to the piping and deposit the debris in the bath to be drained away.
- This debris is normally brown in colour, and you may be surprised when you use a spa cleaner for the first time at the amount of debris which can accumulate within the piping system.
- Choose a degreaser that also has a sanitising action so that the pipes remain hygienically clean until the bath is used again.
- Degrease your spa regularly so that your clients can be assured that their use of the spa is an enjoyable and hygienic experience. Between each client or after each room stay are suggested intervals between degreasing.

Installation of your Spa:

Spa Baths should be installed according to Australian Standard AS 3861 so that the water drains from the pump when released from the bath. This will minimise the amount of stagnant water left in the system that may support microbial growth. A degreaser is still required even if the spa is self draining.

DAY SPA INDUSTRY

Policies and Practices

Required for hydrotherapy & spa baths
As per the Australian Standards and Guidelines Manual

Infection Control

- Properties should have an effective infection control program to ensure that the Hydrotherapy and/or spa bath is fit for the purpose intended, well maintained and that staff are trained in its use.
- Management and staff should be aware that the bath is an infection risk if it is not flush cleaned with a recognised spa bath sanitiser.

Cleaning Services

- Each property must have a planned program for flush cleaning their Hydrotherapy and/or Spa Bath.
- Ensure the Hydrotherapy and/or Spa bath is fit for the purpose intended and well maintained and that staff are trained in its use.

DAY SPA INDUSTRY Infection Control Program

YOUR DUTY OF CARE !

The main goal of employers and employees in infection control is to have an effective infection control program in place to prevent cross infection, thereby protecting all personnel and guests from acquiring a serious or fatal disease.

WHY?

To prevent litigation – negligence = disease = law suit

To prevent properties from closure or loss of revenue.
Closure = loss of revenue = loss of jobs = your jobs.

To give action instead of reaction – prevention instead of a problem.

POLICY

A written statement about a course of action your establishment is committed to:

eg: a spa bath cleaning policy
an infection control policy
a non-smoking policy

PROCEDURE

A document of how something is to be performed a list of steps to take to perform and complete a job

eg; procedure on how you clean a spa bath in a guest room as per following Spa.Giene generic cleaning schedule

DON'T COMPROMISE

SPA.GIENE is a unique product specifically manufactured for use in spa baths. **SPA.GIENE** is more effective and powerful than similar products on the market in its ability to breakdown and dislodge the body fat and hair that builds up in the pipes, jets and pump after each use as well as excellent anti microbial activity. **SPA.GIENE** is an easy one-step system that totally cleans and disinfects the entire spa bath system.

Disinfectants, bleaches and alkaline degreasers which are cheaper in price do not effectively eliminate and prevent the harborage of bacteria such as Pseudomonas and/or Staphylococcus which can be associated with ear, eye, and hair follicle and wound infections.

The unique properties that make up the **SPA.GIENE** product produce a sanitizing action so that the pipes remain hygienically clean until the bath is used again.

SPA.GIENE is a high quality Australian made product far more effective in use than alternative products, these being hospital grade disinfectants, bleaches, alkaline degreasers and others.



Deposits of body fats, skin, hair and other foreign matter rapidly build up in the jets, pipes and inside the pump.

We would like to point out that the antimicrobial properties of **SPA.GIENE** are excellent and have proven test results that demonstrate activity against bacteria such as Pseudomonas aeruginosa, Acinetobacter anitratus and bacillus.

SPA.GIENE Total Clean system is an easy one-step system that cleans the jets, pipes and pump in one application, leaving your spa bath sparkling clean and fresh.

The base quaternary ammonium component is of the highest grade available and has proven wide spectrum antimicrobial properties. Other quaternary ammonium bases used in the market are far cheaper. The cost is associated with the molecular weight - the higher grades have a lower molecular weight and are far more costly to produce but are more effective soil removers as well as being far more effective as an antimicrobial agent.

To compromise on the cost of the cleaning reagents used is to compromise on the effectiveness of the clean and subsequent health risks.

We are aware of alternative cheaper products being marketed against **SPA.GIENE** but we are confident our product will remain the market leader simply because it works.

SPA.GIENE

LEADING THE WAY IN SPA BATH HYGIENE TECHNOLOGY

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SPA.GIENE

**The efficacy of SPA.GIENE has now
been tested in a accredited
NATA Laboratory**

(National Association Of Testing Authorities, Australia)

This is evidence that SPA.GIENE will kill the bacteria
'Pseudomonas Aeruginosa' found in Spa Baths.

The purpose of using a Spa Bath Flush Cleaner is to
effectively break down and dislodge body fats, hair,
bacterial growth, bio-film and micro organisms that build
up in the pump, pipes and jets in spa baths.

**The efficacy of a spa bath cleaning product
must ensure it eliminates the bacteria**

PSEUDOMONAS AERUGINOSA

**(A major cause of potential infection from
"dirty" spa baths)**

To compromise on the cost of the cleaning products
used, is to compromise on the effectiveness of the clean
and subsequent health risks.

Please consider your guests safety first - we do !

SPA.GIENE

**Is the only spa bath cleaner
guaranteed to work!**

For further information please contact:
Customer Service : 1800 616 930
Email : info@spagiene.com.au
Web : www.spagiene.com.au



EML Ref No: 93268

Report Date: 27 August 2003

Hy.Giene Australia Pty Ltd
Factory 8, 16 Macquaries Place
BORONIA VIC 3155Attention: **Mr Peter Harman**

Certificate of Analysis

Sample received: 22 August 2003 Testing commenced: 25 August 2003

The test parameters were as follows:

| | |
|----------------------|--|
| Product Description: | Spa Giene, Sterile Water, Clean conditions |
| Test dilution: | 50mL / 200L sterile water ratio |
| Validation Method: | Nutrient Broth + 3% Tween 80 |
| Test temperature: | 22°C |
| Organic soil: | Not incorporated |
| Test organism: | Pseudomonas aeruginosa NCTC 10332 |
| Contact time: | 5 minutes |
| Test Method: | BS 3286 Challenge Test |

| EML Sample No | Test Organism | Contact time | Initial cfu/mL of reaction mixture | Initial Log ₁₀ | cfu / mL reaction mixture at recovery times | | Log reduction |
|---------------|-----------------------------------|--------------|------------------------------------|---------------------------|---|-------------------|---------------|
| | | | | | After contact time | Log ₁₀ | |
| 93268 | Pseudomonas aeruginosa NCTC 10332 | 5 minutes | 1.2×10^6 | 6.07 | 20 | 1.30 | 4.77 |

~ = approximately < = less than > = greater than

For a satisfactory Biostatic performance the Kill rate must exceed 10^4 .

Validation conformed to the requirements of the test.

Yours faithfully
EML CONSULTING SERVICES PTY LTD**Carmen Gurney, B.Sc MASM AAIFST**
Microbiologist



**DEPARTMENT of HEALTH
and HUMAN SERVICES**

*Health Advancement Division
Public & Environmental Health Service*

File:
Contact: Scott Burton
Phone: 03 6233 3772
Facsimile 03 6233 6620
E-mail: scott.burtin@dchs.tas.gov.au

1 December 1999

Mr Peter Harman
Spa.Giene
PO Box 122
KILSYTH VIC 3137

Dear Sir

Spa.Giene Cleaning Product for Spa Baths

Further to your recent correspondence relating to the above, I wish to advise that officers from the Public and Environmental Health Branch have trialled the sample product provided, and assessed the product's supporting documentation.

Product Test

The product was tested in a domestic spa bath in accordance with the labelled directions for use.

The assessing officer noted that the product appeared to efficiently remove fats and grease from the test spa's pipe and jet system.

Active Ingredient

The product's active ingredient (neutral pH quarternary ammonia), is a recognised sanitising agent.

Given the above observations, the Department of Health and Human Services considers the product in question as suitable for the purposes of enhancing general spa hygiene management practices.

Yours faithfully

Dr Mark Jacobs
Director of Public and Environmental Health



28th August 2002

SPA.GIENE
PO Box 122
KILSYTH VIC 3137

Att: Peter Harman

Dear Peter,

We have had several requests from our clients to test the water in their spas and hydrotherapy pools for bacteria. When developing our test method we looked at a number of possible test methods and found that most testing agencies such as local councils, chemical and equipment suppliers etc, swab the surface of the baths when looking for possible contamination. We consulted with colleagues who specialise in microbiology and believe this method to be unsuitable for determining whether a spa bath is contaminated.

The reason for this is because the surface and surrounds of a spa can be easily contaminated by environmental influences, by cleaning processes, by the user of the spa, and by the flora of the person taking the test. In many cases a false report will occur due to the swab picking up this bacteria and the blame being attributed to the water being reticulated through the pumping system, which gives the testing agency the false impression that the spa pump and piping is contaminated.

A rigorous test of the reticulated water in the spa is the only possible way to gain a true indication of whether or not the spa pumping system is contaminated. For this reason we prefer to use the Colilert product, which is one of the worlds leading testing procedures, used in most of the major laboratories in the USA and Australia. Colilert™ (manufactured by Idexx Laboratories) is a very sensitive test and detects minute amounts of E.coli and other coliforms. Colilert™ is not a quantitative test but rather an indicator test and was invented to determine if the water tested is clean enough for human consumption.

As you are aware, E. coli is faecal bacteria found mainly in the anal area but is often found on many other parts of the body depending on a person's hygiene. After a person has used a spa or a bath, they will have a very fine layer of E. coli bacteria over their body, which by the way is not harmful to a normal healthy person, even if it does sound rather repulsive. Colilert™ is sensitive enough to pick up one microorganism of E.Coli.

We have tested many spa baths that use your product for disinfection. We are happy to report that we have not had one positive test for E.coli from these baths after they have been cleaned with Spa.Giene products. The sensitivity of the Colilert™ product is completely reliable and this result gives our clients assurance that your product is working as specified. As specialists in the area of hygiene management we have complete confidence in recommending your products to our clients.

Kind regards,

A handwritten signature in black ink, appearing to read 'Kevin Nagle', written in a cursive style.

General Manager

USING SPA.GIENE to clean and sanitise your FOOT SPA and PEDICURE BASIN OR BOWL will ensure that your customers are protected from this.....

Paula Abdul Testifies At State Capitol



SACRAMENTO — Singer Paula Abdul's testimony Monday about a flesh-eating fungus that landed her in the emergency room gave a new perspective on legislation aimed at getting nail salons to clean up their act.

Abdul, who is also a judge on "American Idol," said a trip in April 2004 to a Studio City nail shop that used unclean manicure equipment became a yearlong ordeal that sent her in and out of the hospital, and made her the butt of late-night talk show jokes.

"What I saw fly out of my thumb was a green and yellow thick substance that smelt foul, and then blood, blood, blood," Abdul told the California Senate Business and Professions Committee in Sacramento. "Being a professional dancer, I'm no stranger to pain, but this time the pain was so excruciating that even my hair touching my thumb caused me to scream."

The legislation, sponsored by Assemblyman Leland Yee, D-San Francisco, would establish safety standards for manicure and pedicure equipment and rewrite state regulations mandating that nail shops follow sanitary practices.

Customers are vulnerable to bacterial infections if manicurists do not properly sanitize their tools between jobs. There are approximately 290,000 manicurists and cosmetologists operating in California, and health inspectors lack the manpower to pursue all complaints.

In 2004, some 120 people in San Jose were infected in unsanitary nail shops. Workers can also be injured if they're exposed to fine particles of acrylic dust without proper ventilation.

"What this measure will do is provide a safety measure for individuals who go to salons," Yee said. "This is a public health issue."

Committee members took up the line of questioning. P> "When you went in they obviously looked clean to you, right?" Sen. Liz Figueroa, D-Sunol, asked Abdul.

A second witness, Brittany Welby, said she was scarred "inside and out" by her injury at a San Jose nail shop that had already received a warning from state officials.

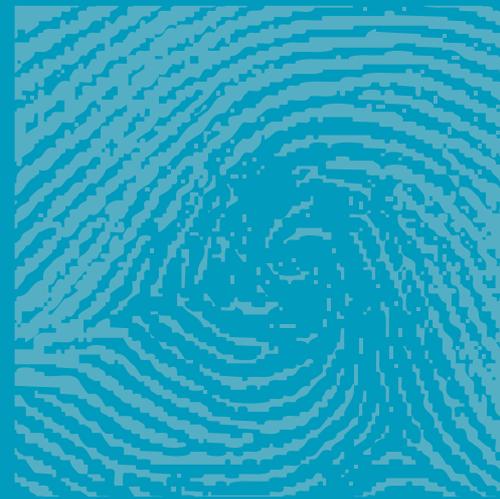
Testimony in support of the bill lasted 15 minutes. Amerispa, a Rancho Cordova-based company that manufactures whirlpool pedicure equipment, sponsored the bill, which was expected to pass in committee.

If that occurs, the legislation will likely come before the full Senate in the next two weeks.

"I was publicly humiliated," Abdul said in her closing statement. "That is why with an open heart and a selfless agenda, I implore you to pass this bill."

Manicure, pedicure and facials

Client health information



Manicures, pedicures, nail treatments and facials are common beauty treatments. While the risk of infection from these procedures is low, there are a few points you should keep in mind when undergoing these treatments.

What to look for

- Look for a 'certificate of premises registration' from the local council, displayed in the shop.
- Look for clean hygienic premises, such as benches, sinks and other facilities.
- Ask the therapist if they use clean or new equipment each time. If they reuse, how do they sterilise/disinfect their equipment?
- Mobile beauty therapists must also have a 'certificate of registration' from the local council.

What you should know

- Paronychia (infection of the nail folds) can be caused by *Candida albicans* (a fungal infection) or by bacteria, such as *Staphylococcus aureus* and *Streptococcus pyogenes*. If the bacterium produces a cellulitis (a spreading infection), this can very quickly become serious.
- Toenails are more commonly infected by fungi than fingernails. Less than 10% of nail infections involve fingernails.
- You should not get a manicure or pedicure if your nails are abnormal in appearance or have any evidence of infection (redness, pus, tenderness, swelling). If any of your nails have these signs you should consult a doctor.

Operator requirements

Current best practice guidelines for manicure, pedicure and facial procedures recommend that:

- Client's hands and/or feet should be cleaned by the operator (at the premises) before a manicure or pedicure is performed.
- Any instrument, or part of an instrument used on a client should be washed with detergent and warm water, dried and thermally disinfected before using on another client. If an instrument penetrates the skin it requires cleaning and sterilisation. Single use instruments are recommended and should be discarded after each use.
- In attaching acrylic nails and similar products to normal nails, care should be taken to avoid the formation of spaces between the two which provides the perfect environment for microorganisms to grow.
- Single use chamois buffers should be used for each client.
- Reusable cuticle sticks and cutters should be washed and disinfected between clients and stored dry. Disposable cuticle sticks are recommended for use.
- Nail brushes should be cleaned and dried between clients.
- Burrs used for buffing should be cleaned and disinfected between clients.
- Single use nail files are recommended. Reusable nail files should be cleaned and thermally disinfected between clients.

- The client's face should be cleaned prior to any facial procedures or the application of lotions, creams, moisturisers or make up.
- Clean towels, face washers or other linen type products should be used for each client.
- To avoid contamination the therapist must ensure that any make up, fluid, cream, ointment or similar substance is removed from its original container/tube, including self-dispensing pumps, using a clean disposable applicator.
- Leftover creams, ointments or similar substances must not be returned to the original container and must not be used on other clients.
- Applicators used for dispensing must not be redipped into the original container and must not be used on any other client.
- Pump outlets, bottles and nozzles are a potential source of contamination due to the build up of contents around the outlet. Nozzles should therefore be cleaned frequently and dried before being replaced.

If you have any concerns about the equipment or policies and procedures outlined above you should discuss this with the operator before commencing with the treatment.

For further information contact your local council health department or the Communicable Diseases Section of DHS on (03) 9616 7777.

www.health.vic.gov.au/ideas

May 2004

NEO QI CLEANING PROCEDURE USING SPA.GIENE



Disinfection System

Disinfection cycle is activated from the Control Panel B of equipment. (Recommended after each use)

NB! Disinfection cycle activates only if the procedures tub is filled with water. There is no need after procedures to empty the tub. Water level should remain 1 cm above the back massage jets.

Warning: It is prohibited to use disinfection function while the client is within the equipment!

Fill the disinfection tank by pouring the disinfection liquid into the tank through an inlet on tub edge marked as “**DISINFECTION**” (see Figure 5). Use special funnel added to the appliance kit to do that.

To activate the Disinfection function, press the DISINFECTION button and hold it down for 2 seconds. Indicator light will turn on and the disinfection process starts.

250 ml of disinfection liquid is dispersed into the tub water and pump activates for ~10 minutes.

To enable all the jets to be disinfected, please make sure to work through all 5 massage areas of the tub:

- position 1 - back massage jets
- position 2 - side massage jets
- position 3 - feet massage jets
- position 4 - tub bottom massage jets
- position 5 - Vichy shower jets

by switching the **MASSAGE DIVERTER** position after every 2 minutes. Eventually divert the disinfection water mix to Vichy Shower jets for two minutes session by turning the MASSAGE DIVERTER to appropriate position and closing the cover of the cocoon.

After ~10 minutes pump will automatically shut off. Equipment sound system starts beeping, now is the right time to empty the tub by turning the drain valve clockwise.

Equipment system will automatically activate blower when there is left ~ 1 cm of water in the tub. After ~ 4 minutes blower will automatically shut off – this will end equipment’s disinfection process.

Wipe off any residue left on the surfaces with soft clout. If required use **SPA.GIENE** spray and wipe.

It is prohibited to use other abrasive materials for cleaning purposes of the equipment surfaces.

END OF DAY PROCEDURES - AUTO FLUSH CLEANS ARE RECOMMENDED AFTER EVERY USE.

1. A manual flush is required to ensure complete surface area, fittings and pipe work are hygienically clean and safe ready for the next day.

Manual flush:

- Fill bath with cold water above the jets.
 - Measure the required dose of SPA.GIENE into your 1 litre auto measure bottle.
 - Turn on all jets and air bubbles and add SPA.GIENE to the water.
 - Run for 5 minutes. (If you have a exhaust fan, turn it on during this time). Foaming will occur. You will see areas of brown on the foam (body fats).
 - Turn off pump/air and drain the bath.
 - Whilst draining the bath, with a pair of gloves on, wipe the excess scum from the surface of the bath with a damp cloth and rinse with the tap running.
 - Wipe surface of bath dry with a separate clean and dry cloth.
2. Turn off NeoQi Cocoon bath using switch located at the side of bath, on opposite end of the bath to the controls.
 3. Refill reservoir when required with SPA.GIENE mix as per above dosage rate.
 4. The reservoir is located at the head of the bath.

All other functions of equipment are blocked during the active disinfection cycle.

Disinfection process will not activate unless the disinfection tank is full. If the tank is empty, **DISINFECTION TANK** indicator lights up.



Manufacturer recommends to use the following disinfection liquid with the appliance:

Product - SPA.GIENE
Manufacturer - HY.GIENE Australia
Factory 8 /16 Macquaire Place
BORONIA VIC 3155

The disinfection liquid consumption per one disinfection cycle is 12.5% of the disinfection liquid tank. The liquid tank capacity is 2 litres (this enables you to disinfect your machine 8 times).

We would like to point out that the antimicrobial properties of **SPA.GIENE** are excellent and have proven test results that demonstrate activity against bacteria such as *Pseudomonas aeruginosa*, *Acinetobacter anitratus* and *bacillus*. The base quaternary ammonium component is of the highest grade available and has proven wide spectrum antimicrobial properties.



Hydrotherapy Bath Cleaning Procedure HYDROTONE X (by HydroCo)

1. Hydrotone X tub must firstly be drained of all water with the drain in open position.
- 1a. Locate and put on rubber gloves and protective glasses. Locate cleaning cloths and SPA.GIENE **Multi-Purpose Cleaner** from cleaning chemical storage area.
2. Hydrotone X tub surface to be rinsed with retractable hand shower, paying special attention in and around jets and fittings. This is to remove sediment and residue.
3. Tub surface and fittings to be thoroughly sprayed/squirted with disinfectant using specially prepared SPA.GIENE **Multi-Purpose Cleaner**. Please ensure you pay special attention in and around the jet area.
4. All fittings and tub surface to be thoroughly wiped with a soft cloth, and if required SPA.GIENE **Multi-Purpose Cleaner** to remove residue. **NB. Do not use abrasive scourer on bath surface**
5. Thoroughly rinse tub surface and fittings with fresh water using the retractable hand shower, ensuring all debris is removed from tub.
6. Press RINSE button to activate the rinse cycle.
7. After rinse cycle is completed (approx. 6 minutes) repeat steps 4 & 5, thoroughly spray/squirt surface and fittings with SPA.GIENE **Multi-Purpose Cleaner**. Rinse tub surface with fresh water using retractable hand shower.
8. During rinse cycle, observe and tend to any cleaning needs not directly related to the Hydrotone Tub, eg. Walls, Shower Area, Bench and Window. Sills to be sprayed/squirted with SPA.GIENE **Multi-Purpose Cleaner**, rinsed and wipe with clean cloth.
9. Final check that everything is in readiness for the next session, ensuring room is in a clean hygienic condition.

AUTO RINSE SYSTEMS – DOSAGE RATE:

1.5lt reservoir - 500ml of SPA.GIENE and 1litre water, which gives you approximately 8 – 10 cleans.
For a 2litre reservoir – 400ml of SPA.GIENE to 1.6litre of water.

END OF DAY PROCEDURES - AUTO FLUSH CLEANS ARE RECOMMENDED AFTER EVERY USE.

1. A manual flush is required to ensure complete surface area, fittings and pipe work are hygienically clean and safe ready for the next day.

Manual flush:

- Fill bath with cold water above the jets.
 - Measure the required dose of SPA.GIENE into your 1 litre auto measure bottle.
 - Turn on all jets and air bubbles and add SPA.GIENE to the water.
 - Run for 5 minutes. (If you have a exhaust fan, turn it on during this time). Foaming will occur. You will see areas of brown on the foam (body fats).
 - Turn off pump/air and drain the bath.
 - Whilst draining the bath, with a pair of gloves on, wipe the excess scum from the surface of the bath with a damp cloth and rinse with the tap running.
 - Wipe surface of bath dry with a separate clean and dry cloth.
2. Turn off Hydrotone bath using switch located at the side of bath, on opposite end of the bath to the controls.
 3. Refill reservoir when required with SPA.GIENE mix as per above dosage rate.
 4. The reservoir is located at the head of the bath.



VICHY SHOWER SYSTEM CLEANING PROCEDURES

1. Locate gloves, goggles, **SPA.GIENE** Multi-purpose cleaner and cleaning cloths from cleaning chemical storage area.
2. Wipe the mattress and wet table with a small quantity of clear, mild detergent and warm water to remove any residue from the treatment. Be sure to clean both sides of the mattress.
3. Rinse all detergent from the mattress and wet table using the hand held shower.
4. Remove and wipe the mattress and wet the table with **SPA.GIENE** Multi-purpose cleaner. Wipe both sides of the mattress and rinse once again with cold water.
5. Dry both the mattress and wet table with a dry cloth, towel and chamois.
6. Place the mattress upright beside the wet table to air before next treatment.
7. Wipe the rain bar and shower heads and fittings using **SPA.GIENE** Multi-purpose cleaner to remove streaks and shine with a dry cloth.
8. Locate mop and bucket and mop the floor and wipe any condensation of residue from the walls with **SPA.GIENE** Multi-purpose cleaner. Wet areas often become breeding grounds for mildew and **SPA.GIENE** will prevent this. Ensure the area is well ventilated between treatments.

IMPORTANT NOTES.

1. Removing product residue after each treatment is important as body oils, mask and massage oils will harden the surface of the mattress, in addition harsh detergent and disinfectants should be avoided.
2. Removing the mattress between clients and at the end of the day and placing it upright against the wet table will allow it to dry completely, eliminating odour and mildew.
3. Resist the temptation to use the wet table as a work bench. Do not place heavy items on your mattress as these will leave indentations that may be permanent or take months to lift out. Sharp objects should also be avoided as they may cut the mattress or scratch the surface of the table.



Pedicure Equipment Cleaning & Disinfecting Procedures

For all pedicure equipment such as whirlpool pedicure foot spas, self-contained foot basins, sinks and pedicure bowls:

1. After each client:

- a. Drain all water from the foot spa, pedicure basin or bowl
- b. Clean the interior surfaces and walls of the foot spas or basin with SPA.GIENE spray & wipe to remove all visible debris; rinse with clean, clear water
- c. Fill the basin with warm/cold clean water and add 20ml SPA.GIENE using the auto measure bottle, turn the system on and flush the spa system for 2 minutes, then rinse and drain.
- d. Empty spa and rinse with clean water
- e. Wipe dry
- f. Make a record of the date and time of this cleaning and disinfecting. Ensure that the records for the last 90 days are readily accessible and available upon client or inspector request.

2. At the end of every day, and after the last client of the day:

- a. Remove the screen from whirlpool basin. Remove all debris trapped behind the screen of each foot spa with a brush and SPA.GIENE spray & wipe.
- b. Clean the screen and the inlet with SPA.GIENE spray & wipe
- c. Before replacing the screen, totally immerse the screen in 1:4 dilution of SPA.GIENE
- d. Fill the basin with warm/cold clean water and add 20ml SPA.GIENE using the auto measure bottle, turn the system on and flush the spa system for 2 minutes, then rinse and drain.
- e. Make a record of the date and time of this cleaning and disinfecting. Ensure that the records for the last 90 days are readily accessible and available upon client or inspector request.

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Infosafe No. 6AC8E Issue Date : April 2005 ISSUED by HYGIENEA

Product Name : SPA.GIENE

Not classified as hazardous according to criteria of NOHSC

1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND COMPANY/UNDERTAKING

Product Name SPA.GIENE
Product Code SG
Product Use Premium strength anti-microbial cleaner.
Company Name HY.GIENE AUSTRALIA PTY LTD (ABN 34 271 614 027)
Address Factory 8, 16 Macquarie Place Boronia
Vic 3155 Australia
Telephone Number/Fax Tel: (03) 9729 3946 Fax: (03) 9729 3942

2. COMPOSITION/INFORMATION ON INGREDIENTS

Information on Composition This product contains quaternary ammonium compounds, fragrance and water.

| Ingredients | Name | CAS | Proportion |
|--------------------|--|--------------|-------------------|
| | Ingredients determined not to be hazardous | Not required | 100 % |

3. HAZARDS IDENTIFICATION

Not classified as hazardous according to the criteria of NOHSC.
Not classified as a dangerous good according to the ADG Code.

Risk phrases:
None applicable.

Safety phrases: None applicable.

4. FIRST AID MEASURES

Inhalation Remove the source of contamination or move the victim to fresh air. Ensure airways are clear and have qualified person give oxygen through a face mask if breathing is difficult. If symptoms develop seek medical attention.

Ingestion Do NOT induce vomiting. Wash out mouth with water. If symptoms develop seek medical attention.

Skin Wash affected area thoroughly with soap and water. Remove contaminated clothing and wash before reuse or discard. If symptoms develop seek medical attention.

Eye If contact with the eye(s) occur, wash with running water holding eyelid(s) open. Take care not to rinse contaminated water into the non-affected eye. Continue flushing until advised to stop by the Poisons Information Centre or a doctor, or for at least 15 minutes. In all cases of eye contamination it is a sensible precaution to seek medical advice.

First Aid Facilities Eye wash and normal washroom facilities.

Advice to Doctor Treat symptomatically or consult a Poisons Information Centre (Phone 131 126).

5. FIRE FIGHTING MEASURES

Extinguishing Media Use extinguishing media suitable for surrounding environment.

Specific Hazards This product is non-flammable. However, following evaporation of aqueous component, the dried residue may burn if ignited.

Hazardous Combustion Products Under fire conditions, following evaporation of the aqueous component, this product may emit toxic and/or irritating fumes including carbon monoxide, carbon dioxide, amines and oxides of nitrogen.

Precautions in connection with Fire Fire-fighters should wear full protective clothing and self contained breathing apparatus (SCBA) operated in positive pressure mode.

6. ACCIDENTAL RELEASE MEASURES

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| Infosafe No. | 6AC8E | Issue Date : April 2005 | ISSUED by HYGIENEA |
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Product Name : **SPA.GIENE**

Not classified as hazardous according to criteria of NOHSC

Slippery when spilt - avoid accidents. Increase ventilation. Evacuate all unnecessary personnel. Wear protective clothing to minimise skin and eye exposure. If possible contain large spills, absorb with inert absorbent such as vermiculite and place in suitably labelled steel container. Mop up material and place into the same container. Hose down residues or minor spills with excess water. If large quantities of this material enter the waterways contact the Environmental Protection Authority, or your local Waste Management Authority.

7. HANDLING AND STORAGE

Handling Use in a well ventilated area. Build up of mists or vapours in the atmosphere should be prevented. Avoid breathing in mists or vapours. When dealing with large quantities, repeated or prolonged skin exposure without protection should be prevented in order to lessen the possibility of skin disorders. It is essential that all who come into contact with this material maintain high standards of personal hygiene ie. washing hands prior to eating, drinking, smoking or using toilet facilities.

Storage Store in a cool, dry, well-ventilated area, out of direct sunlight. Keep containers closed when not in use. Store in suitable, labelled containers, away from oxidising agents. Inspect periodically for deficiencies such as damage or leaks.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

National Exposure Standards No exposure standards have been established for this material by the National Occupational Health And Safety Commission (NOHSC).

Respiratory Protection If engineering controls are not effective in controlling airborne exposure then respiratory protective equipment should be used suitable for protecting against airborne contaminants. Final choice of appropriate breathing protection is dependant upon actual airborne concentrations and the type of breathing protection required will vary according to individual circumstances. Expert advice may be required to make this decision. Reference should be made to Australian Standards AS/NZS 1715, Selection, Use and maintenance of Respiratory Protective Devices; and AS/NZS 1716, Respiratory Protective Devices.

Eye Protection Safety glasses with side shields, goggles or full-face shield as appropriate recommended. Final choice of appropriate eye/face protection will vary according to individual circumstances i.e. methods of handling or engineering controls and according to risk assessments undertaken. Eye protection should conform with Australian/New Zealand Standard AS/NZS 1337 - Eye Protectors for Industrial Applications.

Hand Protection Wear gloves of impervious material. Final choice of appropriate gloves will vary according to individual circumstances i.e. methods of handling or according to risk assessments undertaken. Reference should be made to AS/NZS 2161.1: Occupational protective gloves - Selection, use and maintenance.

Body Protection Wear appropriate clothing including chemical resistant apron where clothing is likely to be contaminated. It is advisable that a local supplier of personal protective clothing is consulted regarding the choice of material.

Eng. Controls Use with good general ventilation. If mists or vapours are produced local exhaust ventilation should be used.

Other Information Biological Limit Values: No biological limit allocated.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance Clear liquid with slight ammonia odour and tooti-fruitti fragrance.

Melting Point -10°C

Boiling Point Approx. 100°C

Solubility in Water Soluble

Specific Gravity (H2O=1) 0.985

pH Value 7.2

Vapour Pressure Not Available

Vapour Density (Air=1) Not available

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Product Name : **SPA.GIENE**

Not classified as hazardous according to criteria of NOHSC

| | |
|-----------------------------|--|
| Flash Point | Not applicable |
| Flammability | This product is non-flammable. However, following evaporation of aqueous component, the dried residue may burn if ignited. |
| Ignition Temperature | Not applicable |
| Flammable Limits | Not applicable |
| LEL | |
| Flammable Limits | Not applicable |
| UEL | |

10. STABILITY AND REACTIVITY

| | |
|---|---|
| Stability | Stable under normal conditions of storage and handling. |
| Hazardous Polymerization | Will not occur. |
| Materials to Avoid | Avoid contact with strong oxidising agents and strong reducing agents. |
| Hazardous Decomposition Products | Thermal decomposition may result in the release of toxic and/or irritating fumes including carbon monoxide, carbon dioxide, amines, oxides of nitrogen and hydrogen chloride. |
| Hazardous Reaction | May react with strong oxidising agents and strong reducing agents. |
| Conditions to Avoid | Avoid sources of heat. |

11. TOXICOLOGICAL INFORMATION

| | |
|-------------------------------|--|
| Toxicology Information | No toxicity data is available for this product. |
| Inhalation | Inhalation of product vapours may cause irritation of the nose, throat and respiratory system. |
| Ingestion | Ingestion of this product may irritate the gastric tract causing nausea and vomiting. |
| Skin | May cause redness, itching and irritation. |
| Eye | May cause eye irritation, tearing, stinging, blurred vision, and redness. |
| Chronic Effects | Prolonged or repeated exposure will cause drying/defatting of skin and may lead to dermatitis. |

12. ECOLOGICAL INFORMATION

| | |
|------------------------------------|--|
| Environ. Protection | Do not allow product to enter drains, waterways or sewers. |
| Mobility | No data is available for this material. |
| Persistence / Degradability | No data is available for this material. |
| Ecotoxicity | No data is available for this material. |

13. DISPOSAL CONSIDERATIONS

Dispose of waste according to federal, EPA and state regulations.

14. TRANSPORT INFORMATION

| | |
|-----------------------------|--|
| | Not classified as a Dangerous Good according to the Australian Code for the Transport of Dangerous Goods by Road and Rail. |
| U.N. Number | None Allocated |
| Proper Shipping Name | None Allocated |
| DG Class | None Allocated |
| Hazchem Code | None Allocated |
| Packing Group | None Allocated |

15. REGULATORY INFORMATION

| | |
|-------------------------|----|
| Poisons Schedule | S5 |
|-------------------------|----|

16. OTHER INFORMATION

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Product Name : **SPA.GIENE**

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Contact Person/Point Phone: 1 800 616 930
The product contained in this material safety data sheet is supplied by the manufacturer as a guide to handling the product SPA.GIENE, and is believed to be correct in regard to normal conditions of use.
Water conditions do, however, vary greatly and abnormal conditions may affect the recommendations and product performance.
Whilst HY.GIENE AUSTRALIA PTY LTD will endeavour to assist with any particular problem (and, of course, hold to its Money Back Guarantee as specified): the manufacturer accepts no responsibility in respect of the recommendations contained herein, and their said applications.
Similarly, Safety and First aid instructions are not covered in this folder, but are specified on each individual SPA.GIENE label, according to Federal and State laws. The appropriate manufacturer indemnities are also printed on each label where necessary.

SDS History
MSDS Review: April 2005
Supersedes: November 2001
...End Of MSDS...