Is Hygiene

For

HEALTH AND RESIDENTIAL CARE

The Total Clean For Hydrotherapy Spa Baths and all washable surfaces

Proudly manufactured in Australia by SPA.GIENE, A division of HY.GIENE Australia Pty Ltd.
# Contents

<table>
<thead>
<tr>
<th>Topic</th>
<th>Page</th>
</tr>
</thead>
<tbody>
<tr>
<td>Company and Product Profile</td>
<td>3</td>
</tr>
<tr>
<td>Fact Sheet</td>
<td>4</td>
</tr>
<tr>
<td>SPA.GIENE Technical Bulletin</td>
<td>5</td>
</tr>
<tr>
<td>Health and Residential Care – “hygiene for spa baths”</td>
<td>6</td>
</tr>
<tr>
<td>Aged Care Policies and Practices</td>
<td>7</td>
</tr>
<tr>
<td>Infection Control Program</td>
<td>8</td>
</tr>
<tr>
<td>Infection Control – Health Risks To Residents</td>
<td>9</td>
</tr>
<tr>
<td>SPA.GIENE – Don’t compromise</td>
<td>10</td>
</tr>
<tr>
<td>SPA.GIENE Supplier Features &amp; Benefits</td>
<td>11</td>
</tr>
<tr>
<td>Spa bath suggested cleaning schedule</td>
<td>12</td>
</tr>
<tr>
<td>Health &amp; Residential Care – Cleaners Procedure Guide</td>
<td>13</td>
</tr>
<tr>
<td>Department of Human Services – Guidelines for cleaning spa baths</td>
<td>14</td>
</tr>
<tr>
<td>Victoria Health Department Recommendations</td>
<td>15</td>
</tr>
<tr>
<td>Tasmania Health Department Recommendations</td>
<td>16</td>
</tr>
</tbody>
</table>

## Testimonials

- Kevin Nagle Hygiene Management
- Bendigo Health Care Group
- Infection Control
- Gribbles Pathology Report
- Moorfields Community Uniting Care
- Rose Lodge
- R.S.L. (Qld) War Veterans’ Homes United

Leading Hotels and Resorts that use SPA.GIENE                                         | 26   |

- Health & Residential Care – Stock Reference Guide | 27   |
- Health & Residential Care – Accessories Reference Guide | 28   |
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. – Trading as SPA.GIENE

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, 16 Macquarie Place, Boronia Victoria 3155

Telephone: 61 3 9729 3946

Fax: 61 3 9729 3942

E-Mail: sales@spagiene.com.au

Website: www.spagiene.com.au

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

Office Manager: Mish Butcher

Director: Peter Harman

Credit Facility: Nett 14 days from invoice date. Credit card facilities and Direct Credit available.

Additional Information: Refer to enclosed (Includes Staff Training Procedure and Technical Bulletins)
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.
Health and Residential Care
Hygiene for spa baths

The purpose of this presentation is for all health and residential care properties with hydrotherapy/spa baths, (including Midwifery units with baby baths) to flush clean between use.

Until now most aged care properties were not aware of the importance and need to flush clean all baths with the appropriate product to eliminate and prevent Pseudomonas Aeruginosa: and or Staphlycoccus.

Infection Control and cleaning services are the two issues that must be addressed for accreditation purposes and the safety and well being of the bath users.

The risks are so serious that the Department of Human Services has issued guidelines for the cleaning of baths.

SPA.GIENE has infection control and health authority endorsed approval, and can assist your property in the critical area of bath hygiene.

Many aged care properties throughout Australia who now use SPA.GIENE originally contacted us with the need to eliminate Pseudomonas from their standard baby baths and/or hydrotherapy spa baths.

The maintenance to prevent these infections is simple. The application of SPA.GIENE between use solves the problem.

The staff at SPA.GIENE are here to assist your compliance to provide a safe environment for residents, with the prevention of hygiene problems that previously were hard to control. Our areas of expertise are as follows:

- Aged Care Policies and Practices
  As per the Australian Standards and Guidelines Manual (4.7 and 4.8)
- Cleaning Chemical Schedule (for cleaning procedures and maintenance – hydrotherapy spa bath/standard baths)
- Material Safety Data Sheets
- Occupational Health and Safety advice regarding the maintenance and use of the baths

If you are uncertain of the maintenance required to provide a hygienically safe hydrotherapy/spa bath and baby bath, it is advisable to personally witness the free sample that we gave you and watch it flush clean a spa bath.

1. *Pseudomonas*, a genus of gram-negative bacteria that includes several free-living species of soil and water and some opportunistic pathogens, as *Pseudoma aeruginosa*, isolated from wounds, burns, and infections of the urinary tract. Pseudomonads are notable for their fluorescent pigments and their resistance to disinfectants and antibiotics.
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 and 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.
SPA BATH
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 attached Spa.Giene generic cleaning schedule
SPA BATHS AND HEALTH RISKS TO RESIDENTS

Growing awareness of health risks
Staff, residents and their families are becoming increasingly aware of the health hazards related to the use of spa baths/hydrotherapy baths in Residential Aged Care facilities.

Without proper treatment of spa baths, the risk of cross-infection from one resident to another is high. This particularly applies to infection by dangerous microbes such as Pseudomonas aeruginosa, Acinetobacter antiratus and Staphylococcus, which can cause skin and soft tissue diseases and eye and ear infections. There is also a risk of contracting Legionnaires’ disease or Pontiac fever.

The risks are so serious that authorities such as the Victorian Department of Human Services have issued guidelines for the cleaning of spa baths. Leading aged care facilities in major cities have instituted management practices to ensure that spa baths do not pose a risk to the health of their residents.

Cause of the problem
Spa bath/hydrotherapy bath water is re-circulated through pipes, a pump and jets. The water is also normally passed through a supplementary heater.

The problem is that body fats, skin tissues, soap residues and other deposits accumulate inside the “plumbing” of the spa bath. The deposits and their aqueous surroundings form ideal traps and breeding grounds for bacteria. The water may look clean but a resident using an untreated spa bath will risk relaxing in water that is constantly circulating through a dirty unhygienic environment.

The deposits also reduce the efficiency of the spa bath and lead to higher energy and maintenance costs.

The cause of the problem is not eradicated through the use of traditional cleaners based on ammonia, chlorine or other bleaching or disinfecting agents. Moreover, most of these chemicals are not “environmentally” friendly.

The solution
To safeguard the health of residents, spa baths need to be “flush cleaned” after each use.

To ensure that spa baths are properly flush-cleaned, consumers need to establish:
- A policy of flush-cleaning spa baths after each use;
- Procedures for procuring the right materials and information; and
- Cleaning procedures and training programs for staff.

During the past six years Hy.Giene Australia has developed, field tested and supplied SPA.GIENE as the solution to the problem of spa bath hygiene. Its application has been subjected to microbiological testing and it has also been tested, proven and implemented by health care facilities, leading hotel groups, and many smaller hospitality establishments around Australia.

SPA.GIENE is not only an effective flush-cleaning agent. It is backed by training materials and cleaning procedures to ensure that it is used safely and economically. Another feature of SPA.GIENE is that it will also polish the bath without tarnishing the fittings. No other cleaning products are required

The cost of maintaining spa baths in a hygienic condition and therefore safeguarding the health of residents is minimal (from only 45 cents per clean) and as a result of saving in staff time, some users have reported virtually no increase in the cost of flush-cleaning compared to other methods.

For further information on SPA.GIENE telephone toll free 1800 616 930.

HOW CLEAN IS YOUR HYDROTHERAPY/SPA BATH?
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 antimicrobial 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
### SPA.GIENE

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

**Date:** ___________________

### Daily/Weekly

<table>
<thead>
<tr>
<th>ITEM</th>
<th>WHO</th>
<th>WHEN</th>
<th>APPLICATION</th>
<th>WHAT WITH</th>
<th>M</th>
<th>T</th>
<th>W</th>
<th>T</th>
<th>F</th>
<th>S</th>
<th>S</th>
</tr>
</thead>
<tbody>
<tr>
<td>Spa Bath Hygiene Flush</td>
<td>Cleaning Staff Or Maintenance</td>
<td>After each use</td>
<td>Put in plug. Fill bath with cold water. Measure 50 ml of Spa.Giene into auto measure chamber pack and pour into spa bath. Turn on exhaust fan. Turn on power for spa to operate. After 5 minutes, switch off. Pull out plug. Rinse the bath of residue of body fat with warm water. Apply diluted Spa.Giene/all purpose cleaner and scrub down the tile areas above spa and tap fitting. Wash down and wipe over with dry cloth.</td>
<td>50ml SPA.GIENE Concentrate. Cold Water. Scourer Sponge. Rags (clean) Gloves</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Spa Bath Interior &amp; Exterior</td>
<td>Cleaning staff Or Maintenance</td>
<td>Daily with room clean</td>
<td>Use diluted Spa.Giene for spray and wipe. Spray area required (above jets) to ensure complete coverage of bath area. Wipe and rinse off with potable water. Wipe over with dry cloth.</td>
<td>Dilute SPA.GIENE (1:4) 100ml in 500 ml labeled bottle filled with water. 2 Clean Cloths</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
HEALTH AND RESIDENTIAL CARE
CLEANERS PROCEDURE GUIDE

It is recommended by SPA.GIENE that cleaners should be capable of hygienically flush cleaning the spa baths during their regular clean without adding extra labour time to their routine.

After the resident has used the bath, the following steps can be taken:
1. Place plug in bath and start filling with cold water or use existing water.
2. Measure 50 ml dose in your 1 Litre Auto measure chamber pack.
3. When bath has filled to jet line, add SPA.GIENE as directed and run for 5 minutes.
4. Turn off pump. Using SPA.GIENE spray and wipe. Wipe any excess scum marks/water lines off surface and surrounding area of spa bath.
5. As the foam and traces of body fat dissipate and go down the drain, wipe bath with cloth. This process can be accelerated by wiping the surface with water running.
6. Once spa is emptied, wipe down dry with a second clean cloth.
7. The spa bath is now hygienically cleaned.

If you have a hydrotherapy bath that has it's own automatic flush cleaning system, SPA.GIENE is recommended for flush cleaning these baths and you'll find it brilliantly simple to use. You can contact our sales department for advice.

STANDARD BATH CLEANING

SPA.GIENE has eliminated the legionella infection Psuedomonas aeruginosa from the plug hole of a regular standard bath tub. To thoroughly clean, flush and polish a commercial bath, SPA.GIENE will achieve the highest results. It is recommended to use SPA.GIENE in all bathing areas.

DOSAGE RATE : 1 to 4

Pour 100mls into a 500 ml Spa.Giene Spray and Wipe bottle. Fill to the top with water.

1. Lightly spray SPA.GIENE inside bath and surrounding area. With a damp cleaning cloth, rub over and rinse with water.
2. Wipe over with a dry clean cloth.
3. For deep and hard to manage scum marks, apply SPA.GIENE concentrate onto cleaning cloth, rub area and rinse off.
4. Wipe over with a dry clean cloth.

NO OTHER PRODUCTS ARE REQUIRED TO CLEAN THE BATH OR ITS SURROUNDING AREA.
THE BATH HAS NOW BEEN DISINFECTED AND SANITISED.

SPA.GIENE is Not Classified as Hazardous according to criteria of Worksafe Australia
HELPFUL HINTS TO OVERCOME THE APPEARANCE OF RESIDUE

SPA BATH “PURGE”

For spa baths being cleaned for the first time or when residue of body fat comes into spa bath during use, we recommend a special flush-clean procedure to remove the build up of body fat that has adhered inside the pipes and pump over the years.

1) Fill the spa bath with warm/hot water.
2) Add 100 ml SPA.GIENE measured in the 1 Litre Auto Measure Chamber Pack.
3) Switch on pump and run for 5 minutes.
4) Pull the plug, wipe and rinse the bath. All traces of body fat and SPA.GIENE must be rinsed out of the bath.
5) Refill with fresh warm water and run for one minute, then empty.
6) Wipe with clean dry cloth.

ENSURE ALL CLOTHS ARE CLEAN AND THAT THE BATHROOM IS WELL VENTILATED.

Once purged, repeat this procedure for 2 - 3 days for heavy soiled spa baths. On completion revert to cleaning as per normal instructions.

SPA POOL MAINTENANCE

Compatible with all other Spa Bactericides i.e.; Chlorine/Bromine/Salt Chlorinators

- To be used on a regular basis - Every 2 weeks or when spa is emptied

1. SPA or HOT TUB to be filled to normal level of use – Cold (use existing water)
2. Remove filter cartridge (sand filter-switch to recirculate).
3. Turn on Filter Pump and add SPA.GIENE at a rate of 100 ml for every 1000 Litres of water.
4. Run for minimum 4 hours. Foaming will occur but will filter away. You will see areas of brown (body fat).
   When you have completed filtering, any surplus foam can be scooped off and wipe the sides of the spa (surface scum) with a clean damp cloth.
5. Replace with a cleaned Cartridge Filter or Backwash Sand Filter. The spa can now be used.

SAFETY DIRECTIONS

Do Not Swallow. Avoid contact with the eyes. Use protective glasses and rubber gloves.

FIRST AID

If poisoning occurs, see your doctor or a Poisons Information Centre. If in the eyes, wash with plenty of water.

DOSAGE RATE FOR SPA BATHS:

<table>
<thead>
<tr>
<th>Bath Litres</th>
<th>ml</th>
</tr>
</thead>
<tbody>
<tr>
<td>STANDARD SPA BATH</td>
<td>Up to 500</td>
</tr>
<tr>
<td>CORNER/OVAL SPA BATH</td>
<td>Up to 500</td>
</tr>
<tr>
<td>HYDROTHERAPY SPA</td>
<td>Up to 500</td>
</tr>
<tr>
<td>FLOOR AERO JET SYSTEMS</td>
<td>Fill to 6cm above air jet</td>
</tr>
</tbody>
</table>

The ingredients of SPA.GIENE are not classified as Hazardous according to criteria of Worksafe Australia.
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.
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 quaternary 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,

[Signature]

General Manager
Re:  SPA.GIENE

We have been using SPA.GIENE to clean the Spa Bath in our Maternity Unit for the past eighteen months. Prior to using the product our cleaning regime of the spa bath was not optimal. On first using the product it became obvious that prior cleaning had not been sufficient as much built up soil from the spa jets was removed by SPA.GIENE. The spa bath has been microbiologically tested by the Department of Human Services last year with very good results obtained. Our cleaning staff on the Maternity unit are very happy with the product. From an infection control point of view I am satisfied that it provides a microbiologically safe environment for our patients and ensures that the spa bath is safe to use.

Yours sincerely

Jane Hellsten
Infection Control Nurse Consultant
Report

Infection Control.

Implementation of infection control at ward level requires the checking of equipment such as the spa bath jets on a regular basis.

The original tests on the jets indicated microbial growth. See Attachment 1. Pathology report dated 08.10.98.

The ward implemented the product Spa Giene after the discovery of the microbes, with the view that this product would eradicate the microbes.

At some stage during the implementation of the use of this product, the staff were instructed to halve the dose of the product. Reason for this decision is unknown.

Subsequent testing indicated that the spa continued to grow microbes as indicated in attachment 2. Pathology reports dated 20.10.98 and 13.10.98.

Consultation with Peter Harman resulted in the implementation of using the correct amount of product, using the product after each use of the bath, and using the product twice a week in a full bath.

Implementation of these guidelines and continued telephone consultation with Peter plus excellent compliance by hotel services staff with the implementation of guidelines for use of the product resulted in the spa jets being cleared of microbes as indicated by pathology report dated 23.10.98.

Spa jets will continue to be checked as per infection control policy.
MICROBIOLOGY

**SPECIMEN:** Bath swab

**MICROSCOPY**
Leucocytes not detected, scanty gram negative bacilli.

**CULTURE**
1. Light growth of Pseudomonas aeruginosa
2. Heavy growth of Acinetobacter anitratus

Validated by Malcolm Eaton

---

**KYNETON HOSPITAL, THOMAS WOUND MICRO/CULTURE**

27379 15

**LABORATORY 3427**

**APP DR R A CONYERS**

**Printed:** 27/10/98 16:07

**14 YARRA ST**

**Tel:** 03 98287777

**Tested:** 23/10/98

**SOUTH YARRA**

**Referred:** 23/10/98

**Collectors:** 23/10/98 00:00

**THOMAS HOGAN NURSING HOME**

<table>
<thead>
<tr>
<th><strong>Ref:</strong></th>
<th><strong>INFECTION CONTROL</strong></th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>UR:</strong></td>
<td><strong>CNR SIMPSON &amp; WEDGE STS</strong></td>
</tr>
<tr>
<td><strong>DOB:</strong></td>
<td>Unknown</td>
</tr>
<tr>
<td><strong>Lab No:</strong></td>
<td>98-5161886</td>
</tr>
<tr>
<td><strong>KYNETON:</strong></td>
<td>3444</td>
</tr>
</tbody>
</table>

**MICROBIOLOGY**

**SPECIMEN:** Spa Bath

**MICROSCOPY**
Moderate gram negative bacilli

**CULTURE**
1. Heavy growth of Pseudomonas aeruginosa
2. Heavy growth of Environmental gram negative bacillus

Validated by Malcolm Eaton

---

**CC Drs:** KYNETON HOSPITAL

**SPA BATH,**

**WOUND MICRO/CULTURE**

**All Tests Complete**

**Coll:** 23/10/98

**Ref:** 23/10/98
Infection control plates:
Water from bathroom : No growth.
Spa surface (Crack)  : No growth.
Spa froth          : No growth.

No growth after 48 hours incubation

Validated by Malcolm Eaton.
4/8/02

Dear Madam/Sir,

Please find enclosed a report of the use and efficacy of the product Spa.Giene as trialed by the Infection control Committee at Moorfields Box Hill.

Yours Sincerely,

Susan Curro.
Infection Control Committee.
PROBLEM: Each of the four cottages at Moorfields Box Hill have spas which were not being used prior to March 2001. With the employment of a Woundcare co-ordinator and an Aromatherapist wanting to make use of the spas (for e.g. the maintenance of skin integrity, relaxation, and pain management) the viability of using spas was raised at an Infection control meeting. The Infection Control Committee decided to investigate spa-cleaning products and swab the jets to determine if the spas were safe to use (considering that they had been inactive for a lengthy period).

AIM: To provide a safe cleaning standard, reducing the risk of cross-infection for residents.

ACTION PLAN:
1. Investigated several product options to clean spa jets.
2. Trialed Spa.Giene, following the manufacturer’s recommendations and swabbed spa jets. Sent to Pathology on 8/10/01 and awaited results.
3. Three of the four spa results returned a NO GROWTH result whilst the remaining one indicated that there was still a problem with the presence of moderate growths.
4. Staff continued to flush the spas as recommended (twice a day for 7-10 days).
5. Re-swabbed jets and sent to Pathology for analysis on 23/10/02.
6. All results came back NO GROWTH on 31/10/02.
7. Infection Control Committee satisfied with the efficacy of the product Spa.Giene and set up a cleaning protocol for staff to follow.
8. Contacted Medical Microbiologist at Dorovitch Pathology re. Environmental Swabbing and Infection Control as part of our ongoing maintenance program.
9. Under recommendation from the Medical microbiologist, policies and procedures for spa cleaning were developed.
10. Laminated spa-cleaning directions were posted in each bathroom, spa-cleaning equipment (Spa.Giene, spray, cloths and gloves) are kept in a locked cupboard in each bathroom with a spa cleaning register.
11. Care and cleaning staff were educated on the use of the product and registering practice.
12. Practice will be audited as determined by the Infection Control committee (microbiologist recommends at intervals no greater than one year).

OUTCOME:
All four spas are now regularly used.

Striving for excellence in the provision of adult care
Mr. P. Harman
P.O. Box 122
Kilsyth 3137

24.500

Dear Peter,

thank you for your brochure advertising the new product launch.

Please find enclosed an order for Auto measure chamber packs and Spa Giene.

The purpose of this letter is to also congratulate your company on such an excellent product.

In our hectic product market we are often swamped with products that according to their manufacturer are “the best”.

I am confident in saying that this goes with your product.

I took the sample bottle home to use and was absolutely surprised at the outcome.

I have since brought several bottles and given to my family to use and they have also been amazed.

I also used Spa Giene in my washing machine cleaning process which I have done on a regular basis since the machine was purchased. I took the hose from the suds save compartment and let the water run into the trough and I was surprised at the amount of residue that came out.

We often hear criticism when a product is not up to standard but not very often praise for something that exceeds expectation.

This is the reason for my letter to you.

Well done!

Sincerely,

Terri Burns,
Administrator

WONTHAGGI AND DISTRICT ELDERLY CITIZENS’ HOMES
20th May 2002

Mr Peter Harman
Factory 8/16 McQuarie Place
Boronia VIC 3155

Dear Peter,

Re: Spagiene Success

I am writing to congratulate you on the Spagiene product. When you first discussed this product with me and asked to give us a demonstration on the Nursing Home spa bath, I thought it would be a waste of time and almost refused. Well I’m glad I didn’t because what I saw with the demonstration convinced me that this product was way overdue in the aged care environment. The spa bath had been in use in the home for several years and Spagiene was probably the first product to totally clean the bath, I mean even the bits you don’t see inside the pipes and pump!

Spagiene cleaned the spa so well even I would get into the tub. I think that is the ultimate test of confidence in a product! Since that first demonstration I have introduced Spagiene into several other aged care facilities with the same excellent results. Staff can be confident that our cleaning processes are First Class with this product and this means a higher use of the spa bath in our facility by the residents.

We are yet to test the other recommended cleaning application for Spagiene you recently advised of but I am confident these will be of the same high standard as well.

Congratulations on providing us a great product and support. I’m glad that I didn’t just say NO to that first demonstration.

Yours sincerely,

Greg Little
Lifestyle Manager
We proudly supply to the following leading health and residential care groups and accommodation chains:

- Bendigo Health Care Group
- Brimbank Aged Facility
- Dutch Care Ltd
- East Wimmera Health Services
- Edmund Rice Aged Care Facility
- Gardenview House
- Hamilton Base Hospital
- Kilmore & District Hospital
- Kyneton Hospital Health Services
- Lady of Grace Nursing Home
- Launceston General Hospital
- Martin Luther Homes
- Moorfields Community Uniting Care
- Moyne Health Services
- Numurkah District Health Services
- RSL Qld War Veterans’ Homes
- Rose Lodge
- West Wimmera Health Services

**ACCOR**
Asia Pacific

**Bass** – Hotels & Resorts (incorporating Centra, Holiday Inn and Park Royal Hotels)
Bayview International Hotels & Resorts
- Best Western Australia
- Big 4 Holiday Parks
- Carlton Hotels
- Flag Choice Hotels
- Federal Casinos
- Golden Chain Motor Inns
- Hilton Hotels
- Grand Chancellor Hotels
- Hyatt Hotels & Resorts
- Mirvac Properties
- Marriott Hotels & Resorts
- Quest Inns
- Radisson Hotels & Resorts
- Rydges Hotels & Resorts

**STRMA** Southern Timeshare Resort Management Australia
Stamford Hotels & Resorts
Starwood Hotels & Resorts (Sheraton & Westin Hotels)
Sundowner Chain Motor Inns
Touraust Corporation (Chifley & Country Comfort Hotels)

26
SPA.GIENE

Health & Residential Care - Stock Reference Guide

SPA.GIENE has provided this stock listing as a reference guide to consider before purchasing

---

**25 Litre Drum**

Over 500 Cleans Per Drum.

- **From .45 cents per clean (excluding GST)**
- This is the most Economical Drum, which just needs to be tapped and decanted into the AUTO MEASURE CHAMBER BOTTLE for daily use.

  - Spa Baths - 50ml per dose
  - Spa Pools - 100ml per 1000 Litres
  - Auto Dishwasher - 50 ml per dose
  - Washing Machine (excl. front loaders) - 50 ml per dose
  - Multi Purpose Cleaner - As directed on Spray & Wipe Bottle

**Accessories : Tap & Spanner**

Product Code : SG06

---

**15 Litre Drum**

Over 300 Cleans Per Drum.

- **From .56 cents per clean (excluding GST)**
- For the smaller Hotel / Motel or B&B. This drum also needs to be tapped and decanted into the AUTO MEASURE CHAMBER BOTTLE.

**Accessories : Tap & Spanner**

Product Code : SG05

---

**5 Litre Bottle**

100 Cleans Per Bottle

- **From .65 cents per clean (excluding GST)**
- The carry and store anywhere bottle.
- Decant into the AUTO MEASURE CHAMBER BOTTLE for easy measuring.

Product Code : SG04

---

**1 Litre Auto Measure Chamber**

20 Cleans x 50ml applications

- The Convenient Auto Measure Bottle.
- Just Squeeze and Measure
- Already filled with SPA.GIENE for your convenience.

Product Code : SG50

---

**Health & Residential Starter Pack - 5 Litre**

- This is our special starter pack for small use properties.
- Properties wanting to trial SPA.GIENE before upgrading to larger sizes.

- **The starter kit has everything required for all applications including:**
  - 5 Litre SPA.GIENE (100 Cleans)
  - 1 Litre Auto Measure Chamber Bottle
  - 500ml Spray & Wipe Bottle (Flip Top Cap)
  - Laminated Application Chart (with instructions to use).
  - Extra pre-printed bottles are required if more than one bath and storage cupboard.

Product Code : SG64

5% Discount on First Orders. (15 & 25 Litre Starter Packs also available).

Customer Service : Phone : (03) 9729 3946    Fax : (03) 9729 3942    Email : sales@spagiene.com.au    Web: www.spagiene.com.au
Tap for 25L & 15L Drums
It is recommended and safe to use new taps with each product.

Cap Spanner
The Cap Spanner has a multiple of uses. It tightens and loosens caps on the 25L & 15L drums. Is used to remove or tighten the bung in drums and when you replace or take out, it will tighten the tap. Everyone should have one.

Product Codes: SG07 - Tap
: SG08 - Cap Spanner

Spray Bottle 500ml (Empty)
SPA.GIENE is diluted and used as a Premium Strength Spray & Wipe. The application is for any washable surfaces including:
- All Bath and Bathroom Surfaces (will not tarnish)
- Floors, Light Switches & Telephones
- Multi Purpose Spray & Wipe.

You can choose from a Trigger Spray or Flip Top Lid.

Product Code: SG36

Auto Measure Chamber Bottle
1 Litre (Empty Bottle)
A very unique and cost saving way to apply SPA.GIENE. We recommended viewing the SPA.GIENE Training Video before use. Decant into the Auto Measure Chamber Bottle from drums for easy measuring and application.

One per cleaner is recommended.

Product Code: SG37

Training Material Video or CD -
The SPA.GIENE Training Video is recommended for EVERY property to ensure easy application and helpful hints when training staff. (CD requires speakers for computer).

Presentation Folders - Standard Operations Procedures (SOP)
Our presentation folder and SOP have all the necessary product information including:

- MSDS
- Infection Control References
- Health Department Guidelines
- Spa Bath Cleaning Schedule
- Training Schedule
- Risk Assessment

Product Codes: PM1 - Video
PM2 - CD
PM7 - Presentation Folder

HEALTH & RESIDENTIAL - ACCESSORIES STOCK REFERENCE GUIDE

SPA.GIENE has provided this stock listing as a reference guide to consider before purchasing.