

# Safety Data Sheet

ISSUE DATE: 01/03/2020

## SPA.GIENE CONCENTRATE

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### 1. Identification

**GHS Product identifier:** Spa.giene Concentrate  
**Company Name:** HY.GIENE Australia Pty. Ltd.  
**Address:** Unit 3, 41 Gatwick Road, BAYSWATER, VIC 3153  
**Telephone:** (03) 9729 3946  
**Contact:** Peter Harman  
**Recommended use:** Spa bath sanitiser  
**Other Names:** None  
**Emergency contact:** 1800 616 930

### 2. Hazard Identification

#### Statement of Hazardous Nature

Hazardous according to the criteria of Safe Work Australia.  
Dangerous Good according to the Australian Dangerous Goods (ADG) Code version 7.

**GHS classification** Hazardous  
Acute Toxicity (oral) – Category 4  
Acute Toxicity (Dermal) – Category 4  
Acute Toxicity (inhalation) – Category 4  
Skin Corrosion/Irritation – Category 1B  
Acute Hazard to the Aquatic environment – Category 1



**Signal Word (s)** DANGER

**Hazard Statement(s)**  
H302: Harmful if swallowed  
H314: Causes severe skin burns and eye damage  
H400: Very toxic to aquatic life

**Pictogram (s)** GHS05, GHS07, GHS09

#### Precautionary statement

**Prevention**  
P234: Keep only in original container.  
P233: Keep container tightly closed.  
P264: Wash hands after use.  
P273: Avoid release to the environment.  
P280: Wear protective gloves/protective clothing/eye protection

**Response**  
P305 + P351 + P338: IF IN EYES: Rinse with water for 15 minutes. Remove contact lenses if present and continue rinsing.  
P337 + P313: If eye irritation persists, seek medical advice.  
P302 + P352 + P363: IF ON SKIN: Remove/ Take off immediately all contaminated clothing. Rinse skin with water/shower. Wash contaminated clothing before reuse.  
P332 + P313: If skin irritation persists, seek medical advice.  
P370 + P378 In case of fire: Use dry sand, dry chemical or alcohol-resistant foam for extinction.

### 3. Composition/Information on Ingredients

#### Hazardous ingredients

<u>Name</u>	<u>CAS no.</u>	<u>Proportion</u>
Quaternary Ammonium compound	68391-01-5	MED
Quaternary Ammonium compound	27479-28-3	MED

KEY: Proportion, (wt %) - V HIGH >60, HIGH 30 - 60, MED 10 -29, LOW 1-9, V LOW <1

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### 4. First-aid measures

<b>Ingestion:</b>	Rinse mouth with water. Never give anything by mouth to an unconscious person. Consult a physician.
<b>Skin:</b>	Wash off with soap and plenty of water. Consult a physician if irritation, burning or redness develops.
<b>Eye contact</b>	Immediately rinse thoroughly with plenty of water for at least 15 minutes and consult a physician.
<b>Inhalation</b>	If breathed in, move person into fresh air. If not breathing, give artificial respiration. Consult a physician.
<b>Advice to Doctor</b>	Treat symptomatically.
<b>Other Information</b>	For advice, contact the National Poisons Information Centre (Phone Australia 13 11 26 and New Zealand 0800 764 766) or a doctor.

### 5. Fire-fighting measures

<b>Suitable extinguishing media</b>	Use extinguishing media most appropriate for the surrounding fire such as water, foam or dry agent (carbon dioxide, dry chemical powder). If safe to do so, move undamaged containers from the fire area. If a significant quantity (>200L) of this product is involved in a fire, call the fire brigade.
<b>Specific hazards arising from the chemical</b>	There is no risk of an explosion from this product under normal circumstances if it is involved in a fire. This product is likely to decompose only after heating to dryness, followed by further strong heating.
<b>Precautions in connection with fire</b>	Wear SCBA and chemical splash suit. Fully encapsulating, gas-tight suits should be worn for maximum protection.

### 6. Accidental release measures

<b>Personal Precautions</b>	Use personal protective equipment. Ensure adequate ventilation.
<b>Personal Protection</b>	Evacuate personnel to safe areas. For personal protection see section 8.
<b>Clean-up Methods- Small Spillages</b>	Wear protective clothing specified for normal operations (see Section 8)
<b>Large Spillages</b>	Minor spills do not require special clean up measures or emergency procedures. Wear recommended personal protective equipment outlined in Section 8 when containing any spillage.
<b>Environmental Precautions</b>	Seek expert advice on handling and disposal.
	Prevent further leakage or spillage if safe to do so. Do not let product enter drains or waterways.

### 7. Handling and storage

<b>Precautions for Handling</b>	Avoid contact with skin, eyes and clothing. Do not inhale product vapours. Ensure eye wash/shower facilities are available and nearby. Observe good hygiene practices and recommended procedures.
<b>Conditions for safe storage</b>	Store in cool place. Keep container tightly closed in a dry and well-ventilated place. Containers which are opened must be carefully resealed and kept upright to prevent leakage.

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### 8. Exposure controls/personal protection

<b>General</b>	No exposure standard has been established for this product the SWA
<b>Appropriate engineering controls</b>	In industrial situations maintain the concentrations values below the TWA. This may be achieved by process modification, use of local exhaust ventilation, capturing substances at the source, or other methods.
<b>Personal Protective Equipment</b>	Final choice of personal protective equipment will depend on individual circumstances and/or according to risk assessments undertaken.
<b>Respiratory Protection</b>	Where ventilation is not adequate, respiratory protection may be required. Avoid breathing mists. Respiratory protection should comply with AS 1716 - Respiratory Protective Devices and be selected in accordance with AS 1715 - Selection, Use and Maintenance of Respiratory Protective Devices. Filter capacity and respirator type depends on exposure levels
<b>Eye Protection</b>	The use of safety glasses with side shield protection. Must comply with Australian Standards AS 1337 and be selected and used in accordance with AS 1336.
<b>Hand Protection</b>	Avoid skin contact when removing gloves from hands. Hand protection should comply with AS 2161, <i>Occupational Protective Gloves</i>
<b>Footwear</b>	Safety footwear in industrial situations is advisory.
<b>Body Protection</b>	Clean clothing or protective clothing should be worn, preferably with an apron. Clothing for protection against chemicals should comply with AS 3765 Clothing for Protection Against Hazardous Chemicals.
<b>Hygiene Measures</b>	Do not eat, drink or smoke in work areas. Wash hands thoroughly after handling this material. Maintain good housekeeping.

### 9. Physical and chemical properties

<b>Appearance</b>	Colourless liquid
<b>Odour</b>	Scented
<b>Boiling Point</b>	~ 100 °C
<b>Flash point</b>	Not determined
<b>Vapour Pressure</b>	Not determined
<b>Solubility</b>	Miscible with water in all proportions.
<b>Specific Gravity</b>	0.96 ±0.05 g/cm <sup>3</sup> @ 20 °C
<b>pH</b>	5.5 ±0.5 (as supplied)
<b>Viscosity</b>	~ 300cP at @ 25 °C
<b>Percent volatile</b>	> 50 %

### 10. Stability and reactivity

<b>General statement</b>	<b>Corrosive liquid</b>
<b>Chemical Stability</b>	Stable under normal conditions of use.
<b>Conditions to Avoid</b>	Incompatible materials. Refer to storage conditions in Section 7.
<b>Incompatible Materials</b>	Oxidising agents. Anionic detergents.
<b>Hazardous Decomposition products</b>	Carbon monoxide and carbon dioxide.
<b>Hazardous Polymerization</b>	Will not occur.

### 11. Toxicological Information

Acute oral toxicity (LD50) rat: 240 mg/kg

<b>Inhalation</b>	Harmful if inhaled (lung corrosive)
<b>Skin</b>	Harmful in contact with skin (corrosive). Causes severe skin burns.
<b>Eye</b>	Very hazardous in case of eye contact (corrosive). Causes severe eye damage.
<b>Ingestion</b>	Harmful if swallowed. Causes gastrointestinal/digestive tract irritation and burns.

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### 12. Ecological Information

**Ecotoxicity** Data from 50% quaternary ammonium compound:  
Highly toxic to fish. (LC50 = 1-10 mg/L)  
Moderately toxic to Birds. (LD50 = 136 mg/kg)  
Slightly toxic to mammals. (LD50 = 430 mg/kg)

**Persistence and degradability** Readily biodegradable. (OECD Test 301D)

### 13. Disposal Considerations

**Disposal** The small quantities (< 1L) contained in wash solutions can be handled by conventional sewage, septic and grey water systems. To dispose of large quantities of undiluted product, refer to State Land Waste Management Authority. Containers should be emptied as completely as practical before disposal.

### 14. Transport information

#### Land Transport (Australia)

**DG Classification** Dangerous Goods according to the criteria of the ADG Code

**UN proper shipping name** CORROSIVE LIQUID, N.O.S. (Benzalkonium Chloride solution)

**U.N. Number** 3256

**Class** 8

**Hazchem** 2X

**Packing Group** II

**EPG** 37 - Toxic and/or Corrosive Substance.

### 15. Regulatory information

**Regulatory Information** Ingredients listed in the Australian Inventory of Chemical Substances (AICS).

**Poisons Schedule** 6

### 16. Other Information

**Date of preparation or last revision of SDS** - 1/03/2020

Reason for issue: Format change

*THIS SDS SUMMARISES OUR BEST KNOWLEDGE OF THE HEALTH AND SAFETY HAZARD INFORMATION OF THIS PRODUCT AND HOW TO SAFELY USE THIS PRODUCT IN THE WORKPLACE. EACH USER MUST REVIEW THIS SDS IN THE CONTEXT OF HOW THE PRODUCT WILL BE HANDLED AND USED IN THE WORKPLACE. IF CLARIFICATION OR FURTHER INFORMATION IS NEEDED TO ENSURE THAT AN APPROPRIATE RISK ASSESSMENT CAN BE MADE, THE USER SHOULD CONTACT THIS COMPANY SO WE CAN ATTEMPT TO OBTAIN ADDITIONAL INFORMATION FROM OUR SUPPLIERS.*