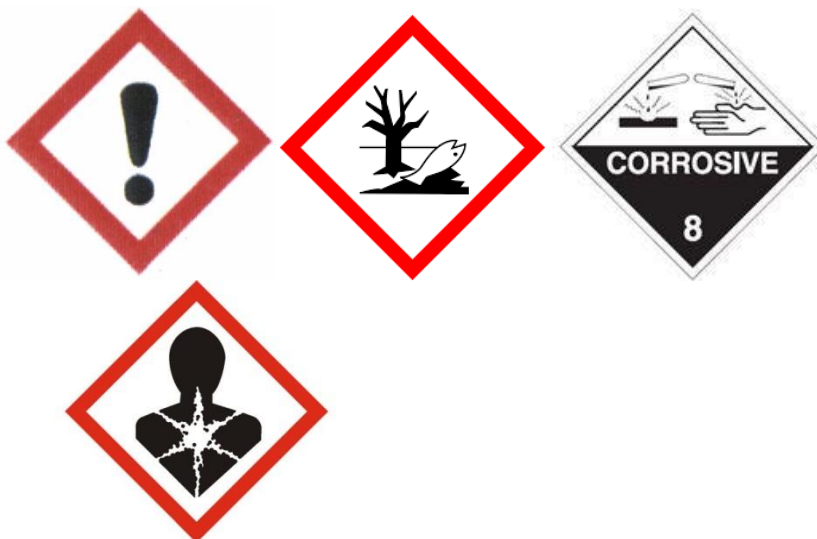


### Section 1: Identification of the Substance/Mixture and of Supplier

|                             |  |
|-----------------------------|--|
| <b>Product name</b>         | <b>LIQUID CHLORINE – 'CRYSTAL WATER', 'SPLISH SPLASH'</b>    |
| <b>Recommended use:</b>     | Laundry – Automatic - Water sanitizer                        |
| <b>Supplier:</b>            | Liquipro Limited   |
| <b>Street Address:</b>      | 1 Maurice Rd<br>Penrose, Auckland<br>New Zealand             |
| <b>Telephone Number:</b>    | + 64 9 6221835   |
| <b>Facsimile:</b>           |  |
| <b>E-mail:</b>              | <a href="mailto:orders@liquipro.com">orders@liquipro.com</a> |
| <b>Website:</b>             | <a href="http://www.liquipro.com">www.liquipro.com</a>       |
| <b>Emergency Telephone</b>  | 0800 764 766 (all hours)                                     |
| <b>Date of preparation:</b> | March 2021   |

### Section 2: Hazards Identification

**Hazard Classification:** 8.2C , 8.3A , 9.1B (A), 9.1B (All), 9.1B (C), 9.1B (F)



### Section 3: Composition/information on ingredients

**Product Description:** Swimming Pool Water Sanitizer  
Pale yellow Liquid with a slight chlorine odour

| Components / CAS Number          | Proportion | Risk Phrases     |
|----------------------------------|------------|------------------|
| Water<br>7732-15-5               | >80-85%    |                  |
| Sodium Hypochlorite<br>7681-52-9 | >15-20%    | R34, R41, R51/53 |

### Section 4: First Aid Measures

**Show this Safety Data Sheet to a Doctor**

**Short term exposure by all routes is considered to be harmful.**

|                            |   |
|----------------------------|---|
| <b>Inhalation:</b>         | Remove victim to fresh air and keep at rest in a position comfortable for breathing. Immediately call the Poison Centre (0800 764 766) or a Doctor  |
| <b>Skin Contact:</b>       | Remove/take off immediately all contaminated clothing.<br>Rinse skin with water.<br>Wash contaminated clothing before reuse.  |
| <b>Eye Contact:</b>        | Rinse cautiously with water for several minutes.<br>Remove contact lenses, if present and easy to do. Continue rinsing.   |
| <b>Ingestion:</b>          | If swallowed - Rinse mouth. DO NOT induce vomiting.<br>Give a glass of water.<br>Contact a Doctor or the Poisons Information Centre (0800 764 766) for further advice   |
| <b>Notes to physician:</b> | If swallowed - causes severe burning and corrosion to the mucous membranes and tissues of the mouth, throat and stomach.<br>Corrosive to eyes. Can cause corneal burns.<br>Skin contact will cause moderate irritation. Corrosive on contact with moist skin and will cause burns.<br>If inhaled – mist vapour can produce respiratory irritation and may cause damage of the upper respiratory tract and lung tissues. |

For advice, contact the Poisons Information Centre 0800 764 766 or a doctor

### Section 5: Fire Fighting Measures

|                                      |   |
|--------------------------------------|---|
| <b>Specific Hazards:</b>             | Non combustible   |
| <b>Suitable Extinguishing Media:</b> | Not combustible, however, if material is involved in a fire use Water fog (or if not available, fine water spray), foam, dry agent (carbon dioxide, dry chemical powder)  |
| <b>Fire-fighting advice:</b>         | Decomposes on heating emitting toxic fumes, including those of chlorine. Fire fighters to wear self-contained breathing apparatus and suitable protective clothing if risk of exposure to products of decomposition |
| <b>Hazchem Code:</b>                 | 2 (R)   |

### Section 6: Accidental Release Measures

|                                  |   |
|----------------------------------|---|
| <b>Procedures to be covered:</b> | Clear area of all unprotected personnel. If contamination of sewers or waterways has occurred advise local emergency.<br>Slippery when wet. Clean up immediately. Wash area down with excess water<br>Wear protective equipment to prevent skin and eye contact and breathing in vapours.<br>Work up wind or increase ventilation.<br>Prevent run offs into drains and waterways. Use absorbent (sand or other inert material).<br>Collect in properly labeled containers for disposal. |
|----------------------------------|---|

### Section 7: Handling and Storage

|                  |  |
|------------------|--|
| <b>Handling:</b> | Avoid skin and eye contact.<br>Keep out of reach of children.  |
| <b>Storage:</b>  | Store locked up.<br>Store in a cool place out of direct sunlight.<br>Store away from incompatible materials described in Section 10.<br>Keep containers closed when not in use.<br>Check regularly for spills. |

### Section 8: Exposure Controls/Personal Protection

|                                       |   |
|---------------------------------------|---|
| <b>Occupational Exposure Limits:</b>  | No value assigned for this specific material by the New Zealand Occupational Safety and Health Service (OSH).   |
| <b>Engineering Control Measures:</b>  | Use in a well ventilated area.  |
| <b>Personal Protective Equipment:</b> | Wear full protective clothing to avoid splashes.<br>As product can cause eye irritation, safety glasses or goggles must be worn.<br>The use of rubber gloves is recommended.<br>Wash contaminated clothing and other protective equipment before storage or re-use. |

### Section 9: Physical and Chemical Properties

|                                       |                                 |
|---------------------------------------|---------------------------------|
| <b>Physical state:</b>                | Liquid                          |
| <b>Colour:</b>                        | Pale yellow                     |
| <b>Odour:</b>                         | Slight Chlorine                 |
| <b>Solubility:</b>                    | Miscible in water               |
| <b>Specific Gravity/Bulk Density:</b> | 1.24 @ 20°C                     |
| <b>pH 1% w/v:</b>                     | 12.5                            |
| <b>Strength:</b>                      | 13% w/v free available chlorine |

### Section 10: Stability and Reactivity

|  |   |
|--|---|
| <b>Stability:</b>                        | Stable under normal ambient and anticipated storage and handling conditions of temperature and pressure.          |
| <b>Conditions to avoid:</b>              | None known.   |
| <b>Incompatible materials:</b>           | Incompatible with acids, metals, metal salts, peroxides, reducing agents, and ethylene, diamine tetraacetic acid. |
| <b>Hazardous decomposition products:</b> | Chlorine.<br>None known.  |
| <b>Hazardous reactions:</b>              |   |

### Section 11: Toxicological Information

No adverse health effects expected if the product is handled in accordance with this Safety Data Sheet and the product label. Symptoms or effects that may arise if the product is mishandled and overexposure occurs are:

|                     |  |
|---------------------|--|
| <b>Ingestion:</b>   | If swallowed - causes severe burning and corrosion to the mucous membranes and tissues of the mouth, throat and stomach. |
| <b>Eye contact:</b> | Corrosive to eyes. Can cause corneal burns.  |

|                            |   |
|----------------------------|---|
| <b>Skin contact:</b>       | Skin contact will cause moderate irritation. Corrosive on contact with moist skin and will cause burns.                           |
| <b>Inhalation:</b>         | If inhaled – mist vapour can produce respiratory irritation and may cause damage of the upper respiratory tract and lung tissues. |
| <b>Long term effects:</b>  | No information available  |
| <b>Toxicological Data:</b> | No information available.   |

### Section 12: Ecological Information

|   |   |
|---|---|
| <b>Environmental fate, Persistence and degradation:</b> | Avoid contaminating waterways.<br>This material is biodegradable. |
| <b>Aquatic toxicity:</b>                                | Very toxic to aquatic organisms. Fish, crustacean & algal         |
| <b>Terrestrial toxicity:</b>                            | Expected to be harmful to terrestrial species                     |

### Section 13: Disposal Considerations

Refer to Waste Management Authority.  
Dispose of material through a licensed waste contractor.  
Flush to drain with large quantities of water.

### Section 14: Transport Information

|                                 |  |
|---------------------------------|--|
| <b>Road and Rail Transport:</b> | Classified as a Dangerous Good according to NZS 5433:1999 Transport of Dangerous Goods on Land.  |
| <b>UN No:</b>                   | 1791   |
| <b>Class-primary</b>            | 8 Corrosive  |
| <b>Packing Group:</b>           | III  |
| <b>Proper Shipping Name:</b>    | Hypochlorite solution  |
| <b>Hazchem Code:</b>            | 2X   |
| <b>Marine Transport:</b>        | Classified as Dangerous Goods by the criteria of the International Maritime Dangerous Goods Code (IMDG Code) for transport by sea; DANGEROUS GOODS |
| <b>UN No:</b>                   | 1791   |
| <b>Class-primary</b>            | 8 Corrosive  |
| <b>Packing Group:</b>           | III  |
| <b>Proper Shipping Name</b>     | Hypochlorite solution  |

### Section 15: Regulatory Information

|                               |   |
|-------------------------------|---|
| <b>HSNO APPROVAL No:</b>      | Water Treatment Chemicals (Corrosive) Group Standard 2017 - HSR002681 |
| <b>Hazard Classification:</b> | 8.2C, 8.3A, 9.1B  |

### Section 16: Other Information

.Issue Date: March 2021

Note: All information given by Space Industries Ltd is offered in good faith and is, to the best of our knowledge, true and accurate. However, since conditions of use are beyond our control, all information relevant to usage is offered without warranty or guarantee and should not be construed as a representation that the product is suitable for any particular purpose or application.