



## SAFETY DATA SHEET

### FLUSH-8

Revision Number 10, Revision Date 2024.01.08

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

Product Name: FLUSH-8

Manufacturer & Supplier: CHEM CLEAN LTD

Address: #58-60 Century Drive  
Trincity Industrial Estate, Macoya  
Trinidad and Tobago  
Tel: (868)-223-2436  
Website: [www.chemclean.solutions](http://www.chemclean.solutions)

Recommended use: Domestic Toilet Bowl Cleaner

Restriction on use: For domestic use only. Not to be used with strong alkalis and oxidising agents. For specific intended use guidance, please refer to the information provided on the package or Product Data Sheet.

#### 2. HAZARDS IDENTIFICATION

##### GHS Classification

Corrosive to metals Category 1

Skin corrosion Category 1B

Serious eye damage: Category 1

##### GHS Label element

Hazard pictograms:



Signal Word: Danger

Hazard Statements: H290: May be corrosive to metals.  
H302: Harmful if swallowed.  
H314: Causes severe burns and eye damage.

Precautionary Statements: P102: Keep out of reach of children.  
P103: Read label before use.

Prevention Precautionary Statements: P233: Keep container tightly closed.  
 P262: Do not get in eyes, on skin, or on clothing.  
 P264: Wash hands thoroughly after handling.  
 P280: Wear protective gloves/protective clothing/eye protection.  
 P260: Do not breathe dust/fumes/gas/mist/vapours/spray.

Response Precautionary Statements: P301+330+331: IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.

P303+361+353: IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/ shower.

P304+340: IF INHALED: Remove person to fresh air and keep comfortable for breathing.

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do – continue rinsing.

Storage Precautionary Statements: P404: Store in a closed container.

P403+233: Store in a well ventilated place. Keep container tightly closed.

**3. COMPOSITION/INFORMATION ON INGREDIENTS**

| CAS No.   | CHEMICAL NAME     | CONCENTRATION (%) |
|-----------|-------------------|-------------------|
| 7647-01-0 | Hydrochloric Acid | 4 - 10            |

Any concentration shown as a range is to protect confidentiality.

There are no additional ingredients present which, within the current knowledge of the supplier and in the concentrations applicable, are classified as hazardous to health or the environment and hence require reporting in this section.

**4. FIRST AID MEASURES**

|                |  |
|----------------|--|
| General Advice | <ul style="list-style-type: none"> <li>◆ In the case of accident or if you feel unwell, seek medical advice immediately.</li> <li>◆ Show this Safety Data Sheet to the Doctor in attendance.</li> </ul>        |
| Skin Contact   | <ul style="list-style-type: none"> <li>◆ Immediately remove contaminated clothing and wash before reuse</li> <li>◆ Immediately flush skin with plenty of cool running water for at least 15 minutes</li> </ul> |

|                               |   |
|-------------------------------|---|
|                               | <ul style="list-style-type: none"> <li>◆ Immediate Medical Attention is required if irritation persists or burns develop</li> </ul>   |
| Eye Contact                   | <ul style="list-style-type: none"> <li>◆ In case of eye contact, remove contact lens and rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes</li> <li>◆ Keep eyes wide open while rinsing</li> <li>◆ Immediate medical attention is required</li> </ul>   |
| Inhalation                    | <ul style="list-style-type: none"> <li>◆ If affected, move to fresh air</li> <li>◆ If breathing is difficult, give oxygen</li> </ul>  |
| Ingestion                     | <ul style="list-style-type: none"> <li>◆ If swallowed, immediately drink a large quantity of raw egg, milk or milk of magnesia then drink 3-4 glasses of water</li> <li>◆ Do not induce vomiting</li> <li>◆ Do not give Carbonates or Bicarbonates</li> <li>◆ Rinse mouth thoroughly</li> <li>◆ Never give anything by mouth to an unconscious person</li> <li>◆ Immediate medical attention is required</li> </ul> |
| Aggravated Medical Conditions | <ul style="list-style-type: none"> <li>◆ Respiratory (if mists or vapors inhaled)</li> </ul>  |

**5. FIRE-FIGHTING MEASURES**

|   |   |
|---|---|
| Flash Point   | <ul style="list-style-type: none"> <li>◆ N/A</li> </ul>   |
| Suitable Extinguishing Media  | <ul style="list-style-type: none"> <li>◆ Water – spray</li> <li>◆ As appropriate for surrounding fire</li> </ul>  |
| Extinguishing media which must not be used for safety reasons   | <ul style="list-style-type: none"> <li>◆ N/A</li> </ul>   |
| Specific Hazards  | <ul style="list-style-type: none"> <li>◆ Cool exposed containers with water spray to prevent pressure build-up</li> <li>◆ Toxic Hydrogen Chloride fumes may be released in a fire</li> <li>◆ Must wear NIOSH approved self-contained breathing apparatus and protective clothing</li> <li>◆ Avoid exposure to mists and splashes</li> </ul> |
| Special exposure hazards arising from the substance, or preparation itself, its combustion products or released gases | <ul style="list-style-type: none"> <li>◆ Can react with soft metals such as Aluminum or Zinc generating hydrogen gas which is flammable and/or combustible in the presence of an ignition source</li> </ul>   |
| Special Protective Equipment for fire-fighters  | <ul style="list-style-type: none"> <li>◆ As in any fire, wear NIOSH approved self-contained breathing apparatus and full protective gear</li> </ul>   |
| Specific Methods  | <ul style="list-style-type: none"> <li>◆ Cool containers / Tanks with water spray</li> <li>◆ Fire residues and contaminated fire extinguishing water must be disposed of in accordance with local regulations</li> </ul>  |

**6. ACCIDENTAL RELEASE MEASURES**

|                      |   |
|----------------------|---|
| Personal Precautions | <ul style="list-style-type: none"> <li>◆ Do not inhale mist, do not get in eyes or skin, do not swallow</li> <li>◆ Use personal protective equipment</li> </ul> |
|----------------------|---|

|                           |  |
|---------------------------|--|
| Environmental Precautions | <ul style="list-style-type: none"> <li>◆ Discharge in accordance with Government Regulations</li> </ul>  |
| Methods for cleaning up   | <ul style="list-style-type: none"> <li>◆ Small spills: Wash down with large quantities of water in sanitary sewer</li> <li>◆ Large spills: Dike to prevent runoff. Reclaim as much as possible. Absorb remainder with inert material (sand or vermiculite) and place in compatible container for disposal. Neutralize residues with soda ash or lime with adequate ventilation and flush with water</li> </ul> |

**7. HANDLING AND STORAGE**

Handling

|                                |  |
|--------------------------------|--|
| Technical Measures/Precautions | <ul style="list-style-type: none"> <li>◆ Avoid contact with skin, eyes</li> <li>◆ Do not inhale mist</li> </ul>  |
| Safe Handling Advice           | <ul style="list-style-type: none"> <li>◆ Avoid contact with skin, eyes</li> <li>◆ Wash hands immediately after contact to avoid hand-eye transfer</li> <li>◆ Do not inhale vapor or fumes</li> </ul> |

Storage

|                                |  |
|--------------------------------|--|
| Technical Measures/Precautions | <ul style="list-style-type: none"> <li>◆ Keep containers tightly closed in a cool, dry area.</li> <li>◆ Store in properly labeled containers</li> <li>◆ Do not reuse empty containers – they may retain product fumes-handle with caution</li> </ul> |
| Incompatible Products          | <ul style="list-style-type: none"> <li>◆ None determined</li> </ul>  |
| Specific use(s)                | <ul style="list-style-type: none"> <li>◆ Toilet Bowl Cleaner</li> </ul>  |

**8. EXPOSURE CONTROLS/ PERSONAL PROTECTION**

|  |  |
|--|--|
| <u>Engineering Measures</u>            | <ul style="list-style-type: none"> <li>◆ Ventilation not normally required</li> </ul>  |
| <u>Personal Protective Equipment</u>   |  |
| Hand Protection                        | <ul style="list-style-type: none"> <li>◆ Rubber gloves</li> </ul>  |
| Eye Protection                         | <ul style="list-style-type: none"> <li>◆ Tightly fitting chemical splash goggles if required</li> <li>◆ Safety eyebath nearby</li> </ul> |
| Respiratory Protection                 | <ul style="list-style-type: none"> <li>◆ None normally required</li> </ul>   |
| Skin and Body Protection               | <ul style="list-style-type: none"> <li>◆ Use chemical protective clothing for repeated or prolonged contact</li> </ul>                   |
| Hygiene Measures                       | <ul style="list-style-type: none"> <li>◆ Wear suitable gloves and eye/face protection</li> </ul>   |
| <u>Environmental Exposure Controls</u> | <ul style="list-style-type: none"> <li>◆ Do not inhale mist, do not get into eyes or on skin, do not swallow</li> </ul>                  |

**9. PHYSICAL AND CHEMICAL PROPERTIES**

General Information

|                  |                 |
|------------------|-----------------|
| Physical State   | Liquid          |
| Color            | Dark blue/Green |
| Odor             | Odorless        |
| Molecular Wt.    | N/A             |
| pH (1% solution) | 2.4 – 3.0       |
| Boiling pt       | N/A             |
| Specific gravity | 1.05-1.10       |

|                            |               |
|----------------------------|---------------|
| Viscosity (CSTS)           | Not specified |
| Solubility in water        | 100%          |
| Vapor Pressure             | N/A           |
| Vapor Density (AIR=1)      | N/A           |
| Evaporation Rate (WATER:1) | N/A           |
| Freezing Point             | N/A           |
| Volatile Organic Compounds | N/A           |

### 10. STABILITY AND REACTIVITY

|                                  |   |
|----------------------------------|---|
| Stability                        | ◆ Stable under normal conditions  |
| Conditions to avoid              | ◆ High Temperatures   |
| Materials to avoid               | ◆ Alkaline Materials<br>◆ Strong Oxidizers<br>◆ Metals  |
| Hazardous Decomposition Products | ◆ Chlorine gas released by mixing with strong oxidizers<br>◆ Hydrogen gas produced by reaction with most metals |
| Polymerization                   | ◆ Will not occur  |

### 11. TOXICOLOGICAL INFORMATION

Acute Toxicity

Component Information

Product Information

|                       |   |
|-----------------------|---|
| LD50/oral/rat         |   |
| Local effects         |   |
| Skin irritation       | May cause irritation; possibility of chemical burns                                   |
| Eye irritation        | Vapors may be irritating  |
| Sensitization         | Skin sensitizer   |
| Specific effects      | Can cause severe swelling and tissue damage to mouth, throat and stomach, if ingested |
| Carcinogenic Effects  | None  |
| Mutagenic Effects     | Not determined  |
| Reproductive toxicity | Not determined  |
| Target Organ Effects  | Tissue damage to mouth, throat and oesophagus   |

### 12. ECOLOGICAL INFORMATION

Ecotoxicity effects

Component Information

| CAS | Chemical Name | % Weight |
|-----|---------------|----------|
| N/A | N/A           | N/A      |

Product information

Aquatic Toxicity: Do not discharge into lakes, streams, ponds or public waterways unless in accordance with Government Regulations.

Other Information

### 13. DISPOSAL CONSIDERATIONS

|                                     |  |
|-------------------------------------|--|
| Waste from residues/Unused products | Trained and properly equipped personnel may dilute and neutralize waste very carefully with dilute alkali. Do not discharge into lakes, streams, ponds or public waterways unless in accordance with Government Regulations. Consult your local, state or federal Environmental Protection Agency before disposing of any chemicals. Refer to the Environmental Management Authority (EMA) for complete waste disposal regulations for corrosive materials |
| Contaminated Packaging              | Empty containers should be taken for recycling, recovery or waste disposal   |
| Further Information                 |  |

### 14. TRANSPORT INFORMATION

#### Domestic (Land, D.O.T.)

UN Number: 3264  
 UN Proper Shipping Name: CORROSIVE LIQUID, ACIDIC, INORGANIC, N.O.S. (Hydrochloric Acid)  
 Hazard label: 8  
 Packing Group: II

#### International (IMDG, I.M.O.)

UN Number: 3264  
 UN Proper Shipping Name: CORROSIVE LIQUID, ACIDIC, INORGANIC, N.O.S. (Hydrochloric Acid)  
 Transport Hazard Class: 8  
 Packing Group: II  
 Marine pollutant: No  
 Limited Quantities: 1L  
 Packing Instructions: P001  
 IBC Instructions: IBC02  
 EmS: F-A, S-B  
 Stowage and segregation: Category B



#### Air transport (IATA)

UN Number: 3264  
 UN Proper Shipping Name: CORROSIVE LIQUID, ACIDIC, INORGANIC, N.O.S. (Hydrochloric Acid)  
 Hazard Class: 8  
 Packaging Group: II  
 Limited Quantities: 0.5L

**15. REGULATORY INFORMATION**

N/A

**16. OTHER INFORMATION**

Literary Reference Specialty Cleaner

Other The information in the Safety Data Sheet should be provided to all who will use, handle, store, transport or otherwise be exposed to this product. The information above is believed to be accurate and represents the best information currently available to us. However, we make no warranty of merchantability or any other warranty, express or implied, with respect to such information, we assume no liability resulting from use of SDS information.

End of Safety data sheet