



**SPRU PRODUCTS PVT LTD**  
**MATERIAL SAFETY DATA SHEET**  
**SYFO TOILET CLEANER**

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

**Product identifier**

Product Name: - SYFO Toilet Cleaner

**Other means of identification**

GST Reg. No.: - 09ABBCS7460D1ZB

**Recommended use of the chemical and restrictions on use**

Recommended use: - Toilet bowl cleaner for Consumer use

Uses advised against: - No information available

**Details of the supplier of the safety data sheet**

**Supplier Address**

SPRU Products Pvt Ltd

1<sup>st</sup> floor Ories Tower, Plot no 6,

Opp. New High COURT, Faizabad Road

Lucknow-226028

Help line-6387240167

**2. HAZARDS IDENTIFICATION**

**Classification**

This chemical is considered hazardous by the 2012 OSHA Hazard Communication Standard (29 CFR 1910.1200).

Skin corrosion/irritation	Category 1
Serious eye damage/eye irritation	Category 1
Corrosive to Metals	Category 1
Acute Toxicity (Oral)	Category 4

**GHS Label elements, including precautionary statements: -**

**Emergency Overview**

Signal Word: - **Danger**

Hazard Statements: - May be corrosive to metals.  
Cause severe skin burns and eye damage.  
Cause serious eye damage.



Appearance: - Clear, green

Physical State: - Viscous Liquid

Odor: - Wintergreen

**Precautionary Statements**

General: - Read label before use. Keep out of reach of children. If medical advice is needed, have product container or label at hand.

Prevention: - Wear protective gloves. Wear eye or face protection. Wear protective clothing. Keep only in original container. Do not eat, drink or smoke when using this product. Wash hands thoroughly after handling.

Response: - Absorb spillage to prevent material damage. IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing. Immediately call a POISON CENTER or physician. IF SWALLOWED: Immediately call a POISON CENTER or physician. Rinse mouth. Do NOT induce vomiting. IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water or shower. Wash contaminated clothing before reuse. Immediately call a POISON CENTER or physician. IF IN EYES: Rinse

cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a POISON CENTER or physician.

**Storage:** - Store locked up. Store in corrosive resistant container with a resistant inner liner.

**Disposal:** - Dispose of contents and container in accordance with all local, regional, national and international regulations.

### 3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Name	CAS-No	Weight %	Trade Secret
Hydrochloric Acid	7647-01-0	7.0 - 12	*
Acid Thickener	25307-17-9	1.0 - 3.0	*
Pigment	3844-45-9	0.002 - 0.005	*

\*The exact percentage (concentration) of composition has been withheld as a trade secret. Any concentration shown as a range is to protect confidentiality or is due to batch variation.

### 4. FIRST AID MEASURES

**General Advice:** - Call a poison control center or doctor immediately for treatment advice. Show this safety data sheet to the doctor in attendance.

**Eye Contact:** - Hold eye open and rinse slowly and gently with water for 15 - 20 minutes. Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye. Call a poison control center or doctor for treatment advice.

**Skin Contact:** - Take off contaminated clothing. Rinse skin immediately with plenty of water for 15-20 minutes. Call a poison control center or doctor for treatment advice.

**Inhalation:** - Move to fresh air. If breathing is affected, call a doctor.

**Ingestion:** - Call a poison control center or doctor immediately for treatment advice. Have person sip a glassful of water if able to swallow. Do not induce vomiting unless told to do so by a poison control center or doctor. Do not give anything by mouth to an unconscious person.

**Protection of First aiders:** - Avoid contact with skin, eyes, and clothing. Use personal protective equipment as required. Wear personal protective clothing.

**Most important symptoms and effects, both acute and delayed**

**Most important symptoms and effects:** Burning of eyes and skin.

**Indication of any immediate medical attention and special treatment needed**

**Notes to physician:** - Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled

**Specific treatments:** No specific treatment.

### 5. FIRE-FIGHTING MEASURES

**Suitable Extinguishing Media:** - Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

**Unsuitable Extinguishing Media:** -CAUTION: Use of water spray when fighting fire may be inefficient.

**Specific Hazards Arising from the Chemical:** -This product causes burns to eyes, skin, and mucous membranes. In a fire or heated, a pressure increase will occur, and the container may burst.

**Hazardous thermal decomposition products:** -Decomposition products may include the following materials: halogenated compounds.

**Protective equipment and precautions for firefighters:** -As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.

### 6. ACCIDENTAL RELEASE MEASURES

**Personal precautions, protective equipment and emergency procedures**

**For non-emergency personnel:** - No action shall be taken involving any personal risk or without suitable training. Evacuate surrounding areas. Keep unnecessary and unprotected personnel from entering. Do not touch or walk through spilled material. Do

not breathe vapor or mist. Provide adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Put on appropriate personal protective equipment.

**For emergency responders:** - If specialized clothing is required to deal with the spillage, take note of any information on suitable and unsuitable materials. See also the information in "For nonemergency personnel"

**Environmental Precautions:** - Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air).

**Methods and material for containment and cleaning up**

**Small spill:** - Stop leak if without risk. Move containers from spill area. Dilute with water and mop up if water-soluble. Alternatively, or if water-insoluble, absorb with an inert dry material and place in an appropriate waste disposal container. Absorb spillage to prevent material damage. Dispose of via a licensed waste disposal contractor.

**Large spill:** - Stop leak if without risk. Move containers from spill area. Absorb spillage to prevent material damage. Approach release from upwind. Prevent entry into sewers, watercourses, basements or confined areas. Wash spillages into an effluent treatment plant or proceed as follows. Contain and collect spillage with non-combustible, absorbent material e.g. sand, earth, vermiculite or diatomaceous earth and place in container for disposal according to local regulations. The spilled material may be neutralized with sodium carbonate, sodium bicarbonate or sodium hydroxide. Dispose of via a licensed waste disposal contractor.

**7. Handling and Storage**

**Precautions for safe handling**

**Protective measures:** - Put on appropriate personal protective equipment. Do not get in eyes or on skin or clothing. Do not breathe vapor or mist. Do not ingest. If during normal use the material presents a respiratory hazard, use only with adequate ventilation or wear appropriate respirator. Keep in the original container or an approved alternative made from a compatible material, kept tightly closed when not in use. Keep away from alkalis. Empty containers retain product residue and can be hazardous. Do not reuse container. Absorb spillage to prevent material damage.

**Conditions for safe storage, including any incompatibilities:** - Store in accordance with local regulations. Store in original container protected from direct sunlight in a dry, cool and well-ventilated area, away from incompatible materials (see Section 10) and food and drink. Store in corrosive resistant container with a resistant inner liner. Store locked up. Separate from alkalis. Keep container tightly closed and sealed until ready for use. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Do not store in unlabeled containers. Use appropriate containment to avoid environmental contamination.

**8. EXPOSURE CONTROLS/PERSONAL PROTECTION**

**Control parameters**

**Exposure Guidelines**

Chemical Name	ACGIH TLV	OSHA PEL	NIOSH IDLH
Hydrochloric Acid 7647-01-0	C: 2 ppm	CEIL: 5 ppm CEIL: 7 mg/m <sup>3</sup>	CEIL: 5 ppm CEIL: 7 mg/m <sup>3</sup>
Acid Thickener 25307-17-9	None	None	None
Pigment 3844-45-9	None	None	None

ACGIH TLV: American Conference of Governmental Industrial Hygienists - Threshold Limit Value. OSHA PEL: Occupational Safety and Health

Administration - Permissible Exposure Limits. NIOSH IDLH: Immediately Dangerous to Life or Health.

**Appropriate engineering controls:** - If user operations generate dust, fumes, gas, vapor or mist, use process enclosures, local exhaust ventilation or other engineering controls to keep worker exposure to airborne contaminants below any recommended or statutory limits.

**Environmental exposure controls:** - Emissions from ventilation or work process equipment should be checked to ensure they comply with the requirements of environmental protection legislation. In some cases, fume scrubbers, filters or engineering modifications to the process equipment will be necessary to reduce emissions to acceptable levels.

**Individual protection measures:**

**Hygiene measures:** - Wash hands, forearms and face thoroughly after handling chemical products, before eating, smoking and using the lavatory and at the end of the working period. Appropriate techniques should be used to remove potentially contaminated clothing. Wash contaminated clothing before reusing. Ensure that eyewash stations and safety showers are close to the workstation location.

**Eye/face protection:** - Safety eyewear complying with an approved standard should be used when a risk assessment indicates this is necessary to avoid exposure to liquid splashes, mists, gases or dusts. If contact is possible, the following protection should be worn, unless the assessment indicates a higher degree of protection: chemical splash goggles and/or face shield. If inhalation hazards exist, a full-face respirator may be required instead.

**Skin protection**

**Hand protection:** - Chemical-resistant, impervious gloves complying with an approved standard should be worn at all times when handling chemical products if a risk assessment indicates this is necessary. Considering the parameters specified by the glove manufacturer, check during use that the gloves are still retaining their protective properties. It should be noted that the time to breakthrough for any glove material may be different for different glove manufacturers. In the case of mixtures, consisting of several substances, the protection time of the gloves cannot be accurately estimated.

**Body protection:** - Personal protective equipment for the body should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product.

**Other skin protection:** - Appropriate footwear and any additional skin protection measures should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product.

**Respiratory protection:** - Use a properly fitted, air-purifying or air-fed respirator complying with an approved standard if a risk assessment indicates this is necessary. Respirator selection must be based on known or anticipated exposure levels, the hazards of the product and the safe working limits of the selected respirator.

**9. PHYSICAL AND CHEMICAL PROPERTIES**

**Physical and Chemical Properties**

<b>Physical State</b>	Viscous liquid
<b>Appearance</b>	Clear
<b>Color</b>	Clear green
<b>Odor</b>	Wintergreen
<b>Odor Threshold</b>	No information available

Property	Values	Remarks/ Method
pH	<=2.0	None known
Melting/freezing point	No data available	None known
Boiling point / boiling range	No data available	None known
Flash Point	Not flammable	None known
Evaporation rate	No data available	None known
Flammability (solid, gas)	No data available	None known
Flammability Limits in Air		
Upper flammability limit	No data available	None known
Lower flammability limit	No data available	None known
Vapor pressure	No data available	None known
Vapor density	No data available	None known
Specific Gravity	~1.06	None known
Water Solubility	Easily Soluble in water (Hot and Cold)	None known
Solubility in other solvents	No data available	None known
Partition coefficient: n-octanol/water	No data available	None known
Auto ignition temperature	No data available	None known
Decomposition temperature	No data available	None known
Kinematic viscosity	No data available	None known
Dynamic viscosity	~500 to 700 cP	None known
Explosive Properties	Not explosive	None known
Oxidizing Properties	No data available	None known
Other Information		
Softening Point	No data available	None known
VOC Content (%)	No data available	None known
Particle Size	No data available	None known
Particle Size Distribution	No data available	None known

**10. STABILITY AND REACTIVITY**

**Reactivity:** - No specific test data related to reactivity available for this product or its ingredients.

**Chemical stability:** - Stable under recommended storage conditions.

**Possibility of Hazardous Reactions:** -Hazardous reactions or instability may occur under certain conditions of storage or use.

**Conditions to avoid:** -No specific data.

**Incompatible materials:** -Attacks many metals producing extremely flammable hydrogen gas which can form explosive mixtures with air. Reactive or incompatible with the following materials: alkaline metals

**Hazardous Decomposition Products:** -Under normal conditions of storage and use, hazardous decomposition products should not be produced.

## 11. TOXICOLOGICAL INFORMATION

### Information on toxicological effects

**Acute toxicity:** -Harmful or fatal if swallowed.

**Irritation/Corrosion:** -

**Skin:** -Corrosive to skin on contact. Causes burns.

**Eyes:** -Corrosive to eyes. Causes irreversible eye damage

**Sensitization:** - Not available.

**Mutagenic Effects:** - Not available.

**Carcinogenicity:** - Not available.

**Classification**

Chemical Name	ACGIH	IARC	NTP	OSHA
Hydrochloric Acid 7647-01-0	-	3	-	-

IARC (International Agency for Research on Cancer)  
Group 3 - Not Classifiable as to Carcinogenicity in Humans

### Potential acute health effects

**Eye contact:** - Causes serious eye damage.

**Inhalation:** -May give off gas, vapor or dust that is very irritating or corrosive to the respiratory system.

**Skin contact:** -Causes severe burns.

**Ingestion:** -Harmful if swallowed. May cause burns to mouth, throat and stomach.

### Symptoms related to the physical, chemical and toxicological characteristics

**Eye contact:** - Adverse symptoms may include the following: pain, watering, redness

**Inhalation:** - No specific data.

**Skin contact:** - Adverse symptoms may include the following: pain or irritation, redness, blistering may occur.

**Ingestion:** - Adverse symptoms may include the following: stomach pains

### Delayed and immediate effects and also chronic effects from short and long term exposure

**Short term exposure**

**Potential immediate effects:** - Not available.

**Potential delayed effects:** -Not available.

**Long term exposure**

**Potential immediate effects:** - Not available.

**Potential delayed effects:** -Not available.

**Potential chronic health effects:** -Not available.

**General:** significant effects or critical hazards.

**Carcinogenicity:** No known significant effects or critical hazards.

**Mutagenicity:** No known significant effects or critical hazards.

**Teratogenicity:** No known significant effects or critical hazards.

**Developmental effects:** No known significant effects or critical hazards.

**Fertility effects:** No known significant effects or critical hazards.

**Numerical measures of toxicity Acute toxicity estimates:** - Not available.

## 12. ECOLOGICAL INFORMATION

**Eco toxicity:** - Very toxic to aquatic life. Toxic to aquatic life with long lasting effects.

**Persistence and Degradability:** - No information available.

**Bioaccumulation:**

Product/ingredient name	LogPow	BCF	Potential
Hydrochloric acid	0.25	-	low

**Other adverse effects:** - Release of large quantities into water may cause a pH-change resulting in danger for aquatic life.

### 13. DISPOSAL CONSIDERATIONS

**Disposal methods:** -Dispose of in accordance with all applicable federal, state, and local regulations.

**Contaminated Packaging:** -Do not reuse empty containers. Dispose of in accordance with all applicable federal, state, and local regulations.

### 14. TRANSPORT INFORMATION

<b>DOT</b>	LIMITED QUANTITY
<b>TDG</b>	
UN-No	UN1789
Proper Shipping Name	CORROSIVE LIQUID, N.O.S.
Hazard Class	8
Packing Group	II
Description	UN1789, CORROSIVE LIQUID, N.O.S. (Hydrochloric acid), 8, II.
<b>ICAO</b>	
UN-No	UN1789
Proper Shipping Name	CORROSIVE LIQUID, N.O.S.
Hazard Class	8
Packing Group	II
Description	UN1789, CORROSIVE LIQUID, N.O.S. (Hydrochloric acid), 8, II.
<b>IATA</b>	
UN-No	UN1789
Proper Shipping Name	CORROSIVE LIQUID, N.O.S.
Hazard Class	8
Packing Group	II
Description	UN1789, CORROSIVE LIQUID, N.O.S. (Hydrochloric acid), 8, II.
<b>IMDG/IMO</b>	
UN-No	UN1789
Proper Shipping Name	CORROSIVE LIQUID, N.O.S.
Hazard Class	8
Packing Group	II
EmS No.	F-A, S-B
Marine Pollutant	Marine Pollutant exception per IMDG Code 2.10.2.7
Description	UN1789, CORROSIVE LIQUID, N.O.S. (Hydrochloric acid), 8, II.

### 15. REGULATORY INFORMATION

#### **European/International Regulations**

*European Labeling in Accordance with EC Directives*

*Hazard Symbols: C*

#### **Risk Phrases:**

- R 34 Causes burns.
- R 37 Irritating to respiratory system.

#### **Safety Phrases:**

- S 26 In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.
- S 45 In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible).

#### **WGK (Water Danger/Protection)**

- CAS# 7647-01-0: 1
- CAS# 7732-18-5: Not available

#### **Canada**

- CAS# 7647-01-0 is listed on Canada's DSL List
- CAS# 7732-18-5 is listed on Canada's DSL List

#### **US Federal**

- TSCA
- CAS# 7647-01-0 is listed on the TSCA Inventory.

➤ CAS# 7732-18-5 is listed on the TSCA Inventory.

#### EPA Statement

This chemical is a pesticide product registered by the Environmental Protection Agency and is subject to certain labeling requirements under federal pesticide law. These requirements differ from the classification criteria and hazard information required for safety data sheets and for workplace labels of non-pesticide chemicals. Following is the hazard information as required on the pesticide label:

#### DANGER: CORROSIVE.

Causes irreversible eye damage. Causes skin irritation. Prolonged or frequently repeated skin contact may cause allergic reactions in some individuals. Do not get in eyes, on skin, or on clothing. For prolonged use, wear gloves. Wash thoroughly with soap and water after handling. Remove and wash contaminated clothing before reuse. Use only in well-ventilated areas.

### 16. OTHER INFORMATION

NFPA	Health Hazard -3	Flammability-0	Instability-0	Physical and Chemical Hazards -
HMIS	Health Hazard -3	Flammability-0	Physical Hazard -1	Personal Protection-D

#### National Fire Protection Association (U.S.A.)

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Prepared by:-

SPRU Products Pvt Ltd

1<sup>st</sup> floor Ories Tower, Plot no 6,

Opp. New High COURT, Faizabad Road

Lucknow-226028

Help line-6387240167



Revision comments: -Not Available.

#### General Disclaimer

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal, and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.

End of Safety Data Sheet