

# Technical Data

## MATERIAL SAFETY DATA SHEET

1. **Product Name** : **SPIC**

2. **Physical and Chemical Properties**

Appearance : Blue Clear Liquid  
 Odor : Country Fresh - Acidic  
 Specific Gravity : 1.08  
 Shelf Life : One year in original, unopened containers.

3. **Composition** **CAS NO.**  
 Hydrochloric Acid 7647-010  
 Quaternary Ammonium Compound 68424-85-1

4. **Occupational Exposure Limits (Hazardous Ingredients)**

Material	Long Term - 8 Hr. TWA		Short Term - 10 mins TWA	
	ppm	mg.m3	ppm	mg.m3
Hydrochloric Acid		7		
Quaternary Ammonium				

5. **Health Hazard**

Area	Effects of Over Exposure	First Aid Procedure
Skin	Contact may cause burning, inflammation painful blisters.	Remove contaminated clothing immediately, flush affected area with soap and water immediately for at least fifteen minutes.
Eyes	Contact may cause stinging or burning, intense watering, conjunctivas (inflammation of the eyes).	Immediately flush eyes with large amounts of running water lifting upper and lower lids for at least 15-20 mins. Seek immediate medical attention.
Inhalation	May cause irritation of nose, eyes and throat, coughing, dizziness, nausea, difficulty in breathing in poorly ventilated areas.	Remove individual to fresh air, lay him down with legs raised loosen collard and belt and cover with blanket. If symptoms persist seek medical attention immediately.
Ingestion	May cause irritation and burning sensation of lips mouth and throat. Pain in swallowing, gastrointestinal irritation, stomach cramps, nausea and vomiting. Risk of perforation of stomach, state of shock may result.	Do not induce vomiting. Give cold water or ice to rinse mouth. Give milk of magnesia, milk or egg whites. If vomiting does occur, give fluids again. Keep victim warm and quiet. Contact physician immediately. Do not give anything to an unconscious person.



6. **Fire Hazard**

This Product is classified as : An Acid Cleaning Compound  
Flash Point ( oC ) : N/A  
Extinguishing Media : Water Fog Spray, Carbon Dioxide and Dry Chemical  
Conditions to Avoid : Avoid contact with strong Alkalis or other reactive materials.  
May corrode such metals as steel, iron, tin brass. May react  
violently with such metals as aluminum and magnesium  
Decomposition Products : May evolve Hydrogen Chloride, especially if heated  
Special Fire Fighting Procedures : Wear full protective gear, face shield NIOSH approved  
self-contained breathing apparatus. Cool exposed containers  
with water

7. **Handling & Storage**

Precautionary Measures:-

Avoid contact with skin and eyes. Store in sealed containers in cool dry area

Ventilation : Local exhaust ventilation should be adequate

**Personal Protection**

Respirator : Not normally required during normal use and handling. The need  
for respiratory, protection may only become necessary for  
persons sensitive to vapor or in a poorly ventilated area.

Skin : Wear Rubber or Vinyl gloves

Eyes : Wear chemicals splash goggles

Other : N/A

8. **Transport**

Packing group : N/A

9. **Spillage / Disposal method**

Spill :- Stop leaks and contain spill. Only personnel with proper protective equipment should be allowed in  
area. Reclaim if possible, or dilute spill with a large amount of water then neutralize with soda ash or lime.

Disposal:- Remove material by absorbing on sawdust or vermiculite, flush area with large amounts of  
water.

10. **DISCLAIMER**

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