

# Technical Data

## MATERIAL SAFETY DATA SHEET

1. **Product Name :** **QUARRY CLEAN**

2. **Physical and Chemical Properties**

Appearance : Clear, Yellow, slightly fuming Liquid  
 Odor : Pungent  
 Specific Gravity : 1.08  
 % Acidity : 13.5  
 Shelf Life : One year in original, unopened containers.

3. **Composition** **CAS NO.**  
 Hydrochloric Acid 7647-01-0  
 Surfactants N/A

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			5	7

5. **Health Hazard**

Area	Effects of Over Exposure	First Aid Procedure
Skin	Irritation and redness. Acute exposure may cause burns unless promptly washed off. Repeated skin contact may lead to dermatitis.	Immediately remove contaminated clothing under a safety shower. Flush affected area with water for at least fifteen minutes. If pain or irritation persists seek medical attention immediately.
Eyes	Severe irritation. Can cause conjunctivas and burns with impaired vision if not washed off thoroughly.	Irrigate with large amounts of water, lifting upper and lower lids for at least 15-20 mins. Seek immediate medical attention.
Inhalation	In confined areas over exposure of vapors can cause severe irritation of the upper respiratory tract, resulting in coughing and burning throat.	Remove individual to fresh air. If symptoms persists seek medical attention immediately.
Ingestion	Sore throat, cough, shortness of breath. May cause burns to the mouth, throat and esophagus. Nausea, vomiting and diarrhea may also be experienced.	Give one pint of water immediately to dilute acid followed by one pint of milk. Contact physician immediately.



6. **Fire Hazard**

This Product is classified as : Non-Flammable Corrosive Liquid  
Flash Point ( oC ) : N/A  
Extinguishing Media : Foam, Carbon Dioxide, Halon, Water Sprays and Dry Chemical  
Conditions to Avoid : Avoid contact with strong oxidizing agents, alkalis and metals  
Decomposition Products : Hydrogen Chloride  
Special Fire Fighting Procedures : Remove containers from fire area if possible, cool containers exposed to flames with water applied to the sides of containers. Avoid breathing corrosive vapours. Use NIOSH self contained breathing apparatus.

7. **Handling & Storage**

Precautionary Measures :-

Avoid contact with skin and eyes. Protect containers from physical damage. Store in a cool, well ventilated place away from oxidizing substances. Product is stable when properly handled.

Ventilation : Use adequate ventilation, local exhaust where necessary.  
Avoid vapor inhalation

**Personal Protection**

Respirator : Use of NIOSH respirators is necessary especially in poorly ventilated areas.

Skin : Use acid resistant gloves and boots, impervious clothing

Eyes : Face shield / Safety Goggles

8. **Transport**

Packing group : UN / SI Number : 1789 UN Hazard Class 8  
Acid / Corrosive Label

9. **Spillage / Disposal method**

Spill :- Spills should be handled immediately by neutralizing and dilution of the spilled product by the use of Soda Ash, Lime or Limestone with large amounts of water. For small spills wash off with large amounts of water. For an interior spill be aware that dilution with the above would evolve Carbon Dioxide and as such ample ventilation is necessary.

10. **DISCLAIMER**

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