



Q-CID H INHIBITED HYDROCHLORIC/MURIATIC ACID

DESCRIPTION AND USE

Q-CID H is a highly concentrated solution of hydrochloric acid that has been inhibited to minimize acid attack on base metal on the equipment or parts being cleaned. The product is effective in removing both scale and metallic oxide deposits from boilers, cooling, and process equipment. The product should only be used by personnel who have been specifically trained in acid cleaning operations. Q-CID H is USDA approved for use in federally inspected meat and poultry processing plants.

CHEMICAL MIXING AND CONTROL

Q-CID H is normally diluted prior to addition to the system to be cleaned. When diluting always add the acid to the water and **NEVER** add water to acid as a violent and dangerous reaction can occur. When diluting the acid, significant heat can be generated by the reaction so it is normally best to start with cold water.

Q-CID H is typically utilized at concentrations ranging from 5-20% depending on the amount of deposit and type of equipment to be cleaned. Best results are possible when the temperature of the cleaning solution is maintained at 160-180°F. When cleaning at lower temperatures, significantly longer cleaning times can be expected.

TYPICAL PROPERTIES

Appearance.....	Colorless to pale yellow liquid
Odor.....	Pungent, characteristic
Specific Gravity.....	1.195-1.205
Flash Point.....	None
pH(undiluted).....	<1.0
Freeze Point.....	<0°F

SAFETY AND HANDLING

Q-CID H may be toxic by ingestion and because it is highly acidic, is corrosive to all human tissues. Do not take internally. If ingested, drink at least two (2) glasses of water and get immediate medical attention. Do not induce vomiting. Contact with eyes causes burns and possible blindness. If eyes are contacted, immediately flush with clear water for 15 minutes and get medical attention. For skin contact, wash with soap and water.

For additional information, see the Material Safety Data Sheet provided with this product.

PACKAGING

Q-CID H is packaged in 55, 30 and 15 gallon non-returnable plastic drums. Other packaging available by request.