

EMERGENCY HELP LINE NO. 1800-11-1735

MATERIAL SAFETY DATA SHEET

MATERIAL IDENTIFICATION

Technical Name
Hydrochloric Acid

Synonyms
Muriatic Acid Hydrogen Chloride

Chemical Formula
Hcl

Chemical Classification
Inorganic Acid

Hazard Class
Corrosive - 8

CAS Registry No.
7647-01-0

UN No.
1789

Haz Chem Code
2R

Hazardous Waste ID No.
16

Product Use: Used in purifying coke and iron ores, pickling sheet iron, Regeneration of water treatment resins, photography, pharmaceutical Industries.

HAZARDOUS INGREDIENTS

Hazardous Ingredient	Concentration	CAS/UN NO	LC 50	LD 50
Chlorine				
Hydrogen				

PHYSICAL AND CHEMICAL PROPERTIES

State	Colour		Odour
Aqueous Solution	Colourless		Pungent
Molecular weight	Specific gravity	Water solubility	pH
36.47	1.19 at 20°C	Dilutable	1
Vapour pressure	Vapour density	Freezing Point	
280 mm Hg at 20°C	1.268	-114.8°C	
Melting Point	Boiling Point	Others	
--	110°C	---	

FIRE / EXPLOSION HAZARD DATA

Flammability	TDG Flammability	Flash Point
Non Flammable	--	---
Auto ignition temperature	Explosive range	Hazardous combustion products
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Sensitivity to chemical impact		Sensitivity to static discharge
Stable		Stable

REACTIVITY DATA

Chemical Stability
Stable

Incompatibility
Bases, Oxidisers, Oleum, Ethylene
Carbides, Common Metals

Reactivity
Violant reaction with bases, Ammonia,
Ethylene, Oleum etc.,
Corrosive to many metals like Iron, Zinc,
Alluminium.

Dangerous reaction products
Chlorine, Hydrogen