



Product Specification

cdhfinechemical.com

PERCHLORIC ACID 70% ACIPUR FOR TRACE METAL ANALYSIS

PRODUCT CODE	762785	HClO ₄
SYNONYMS	--	
C.I. NO.	--	
CASR NO.	(7601-90-3)	
ATOMIC OR MOLECULAR FORMULA	HClO ₄	
ATOMIC OR MOLECULAR WEIGHT	100.46	
PROPERTIES	Strong oxidizing agent, will ignite vigorously in contact with organic materials, or detonate by shock or heat.	
PARAMETER	LIMIT	
Description	A clear liquid, not more than 10 hazen units in colour.	
Solubility	Mix 50 ml with 50 ml of water. The soln. is clear & colourless with no opalescence with no separate phases.	
Minimum assay (acidimetric)	70.0%	
Wt per ml at 20 °C	About 1.67 g	
MAXIMUM LIMIT OF IMPURITY		
Substance insoluble in ethanol	Passes test.	
Residue on Ignition (as Sulphates)	0.003%	
Chloride (Cl)	0.0003%	
Free chlorine (Cl ₂)	0.00005%	
Nitrogen compounds (N)	0.002%	
Phosphate & Silicate	0.005%	
Sulphate (SO ₄)	0.001%	
Cadmium (Cd)	0.00001%	
Copper (Cu)	0.00001%	
Iron (Fe)	0.0002%	
Lead (Pb)	0.00001%	
Manganese (Mn)	0.00005%	
Silver (Ag)	0.0005%	
Zinc (Zn)	0.00005%	
Note(s):Assay (if applicable) method mentioned.		
DANGER Hazard statements : May cause respiratory irritation. May intensify fire; oxidizer. Harmfulif swallowed. Causes mild skin irritation. Causes serious eye irritation. Very toxic to aquaticlife with long lasting effects. Precautionary statements Prevention : Do not eat, drink or smoke when using this product. Wash hands thoroughlyafter handling. Take any precaution to avoid mixing with combustibile or incompatiblematerials. Keep away from heat. Response : If skin irritation occurs, seek medical advice/attention. IF IN EYES: Rinsecautiously with water for several minutes. Remove contact lenses, if present and easy todo. Continue rinsing. If eye irritation persists, get medical advice/attention. Wear eye/faceprotection. Specific treatment: refer to Label or MSDS.		IMDG Code : 8 (5.1)/I UN No. : 1873 IATA : 8 (5.1)
Disposal : The quantities greater than 10g should be dissolved in water and transferred to heavy metal waste drumsfor collection by specialist disposal company. Add bromine / iodine / inorganic peroxide / oxidants to be disposed tolarge amount of water and then make harmless by addition of acidic sodium thiosulphate solution		



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Hazard Pictogram(s) :



GHS03



GHS05



GHS07



GHS08

Replace Date 11-Apr-2022