



Product Specification

cdhfinechemical.com

IMDG Code: 8 (5.1)/I

: 1873

: 8 (5.1)

UN No.

IATA

PERCHLORIC ACID 70% AR		
	FOR DIAMOND INDUSTRY	
PRODUCT CODE	605085	
SYNONYMS	N/A	
C.I. NO.	N/A	
CASR NO.	7601-90-3	
ATOMIC OR MOLECULAR FORMULA	HCIO₄	
ATOMIC OR MOLECULAR WEIGHT	100.46	HClO₄
PROPERTIES	Strong oxidizing agent, will ignite vigorously in contact with organic materials, or detonate by shock or heat.	110104
PARAMETER	LIMIT	
Description	A clear liquid colour not more than 10 Hazen units.	
Solubility	Mix 50 ml with 50 ml of water. The solution is clear & colourless w	ith no separate phases.
Minimum assay (By acid imetric)	70.0%	
Wt. per ml at 20°C	About 1.67 g	
Substances insoluble in ethanol	Passes test.	
MAXIMUM LIMIT OF IMPURITIES		
Residue on ignition (as SO ₄)	0.003%	
Chloride (CI)	0.0003%	
Free chlorine (Cl ₂)	0.00005%	
Nitrogen compound (N)	0.002%	
Phosphate & Silicate	0.0005%	
Sulphate (SO ₄)	0.001%	
Cadmium (Cd)	0.00001%	
Copper (Cu)	0.00001%	
lron (Fe)	0.0002%	
Heavy metals (Pb)	0.0001%	
Manganese (Mn)	0.00005%	
Zinc (Zn)	0.00005%	
Potassium (K)	0.002%	
Sodium (Na)	0.002%	

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 combustible or incompatible materials. 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.

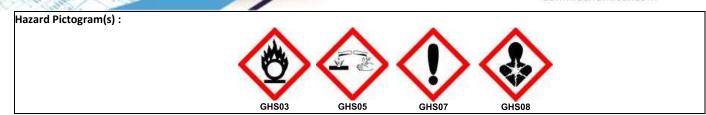
Disposal: The quantities greater than 10g should be dissolved in water and transferred to heavy metal waste drumsfor collection by specialist disposal company. Add bromine / iodine / inorganic peroxide / oxidants to be disposed tolarge amount of water and then make harmless by addition of acidic sodium thiosulphate solution





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