CDH

Product Specification

cdhfinechemical.com

PERCHLORIC ACID 70% AR

PRODUCT CODE	**605080**
SYNONYMS	**N/A**
C.I. NO.	**N/A**
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.**

$HClO_4$

PARAMETER	LIMIT
Description	A clear liquid, colour not more than 10 Hazen units.
Solubility	Mix 50 ml with 50 ml of water. The soln. is clear & colourless with no opalescence with no separate phases.
Minimum assay(By acidimetric)	70.0%
Wt. per ml at 20°C	About 1.67 g

MAXIMUM LIMIT OF IMPURITIES

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. n 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 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
Hazard Pictogram(s) :  GHS03 GHS05 GHS07 GHS08

Replace Date 13-07-2020