



Product Specification

cdhfinechemical.com

PERCHLORIC ACID 60% AR

PRODUCT CODE 605075

SYNONYMS N/A

C.I. NO. N/A

CASR NO. 7601-90-3

ATOMIC OR MOLECULAR FORMULA HClO₄

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.

PARAMETER LIMIT

Description	A clear liquid, colour not more than 10 Hz units.
Solubility	Mix 50 ml with 50 ml of water. The soln. is clear & colourless with no separate phases.
Minimum assay (acidimetric)	60.0%
Wt. per ml at 20°C	About 1.53 g

MAXIMUM LIMIT OF IMPURITIES

Substances 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(SiO ₂)	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. Harmful if swallowed. Causes mild skin irritation. Causes serious eye irritation. Very toxic to aquatic life with long lasting effects.

Precautionary statements

Prevention: Do not eat, drink or smoke when using this product. Wash hands thoroughly after 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: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists, get medical advice/attention. Wear eye/face protection. Specific treatment: refer to Label or MSDS.

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

IMDG Code : 8 (5.1)/I

UN No. : 1873

IATA : 8 (5.1)

Hazard Pictogram(s) :



GHS03



GHS05



GHS07



GHS08

Replace Date 13-07-2020