AC2065
Sulfuric acid, 95 - 97%, EssentQ®

Identification
H_2SO_4
M = 98,08 g/mol
CAS [7664-93-9]
EC number: 231-639-5
Taric code: 2807 00 00

Synonyms
Sulphuric acid

Applications
analytical chemistry, laboratory reagent, acidifying agent, synthesis of organic products, nitrogen determinations.

Specifications
assay (acidimetric)..... 95 - 97 %
residue on ignition..... max. 0,01 %

Physical data
- Density: 1,84 g/cm3
- Solub. in water: (20 ºC): miscible
- Melting point: ~ -15 ºC
- Boiling point: ~ 310 ºC
- Vapour pressure: (20 ºC) ~ 0,0001 hPa
- pH(49 g/l H_2O, 25 ºC) 0,3
- Hygroscopic

Safety - GHS
Signal Word: Danger

Hazard Statements:

H290: May be corrosive to metals.
H314: Causes severe skin burns and eye damage.

Precautionary Statements:

P260: Do not breathe dust / fume / gas / mist / vapours / spray.
P303+P361+P353: IF ON SKIN (or hair): Remove / Take off immediately all contaminated clothing. Rinse skin with water / shower.
P305+P351+P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P310: Immediately call a POISON CENTER or doctor / physician.
P405: Store locked up.
P501a: Dispose of contents / container in accordance with local / regional / national / international regulations.

Transport/storage
- ADR: 8 C1 II • UN 1830 • SULPHURIC ACID
- IMDG: 8 II • UN 1830 • SULPHURIC ACID
- IATA/ICAO: 8 II • UN 1830 • SULPHURIC ACID
- PAX: 809
- CAO: 813
- 10°C - 30°C