PanReac AppliChem ITW Reagents

PRODUCT CODE: 131270

Copper(II) Sulfate 5-hydrate (Reag. Ph. Eur.) for analysis, ACS, ISO

$CuO_4S.5H_2O$
$CuSO_4.5H_2O$

M.= 249,68 CAS [7758-99-8] EINECS 231-847-6
TARIC 2833 25 00 00
3822 00 00 00

PHYSICAL DATA: crystals, Blue, Soluble in water 330 g/l at 20 °C Thermal decom. above 110 °C • D 2,284 • pH(50g/l)4 •

BIBLIOGRAPHY: Merck Index **13,** 2.682 Sax **CNP**500 • Safety **2 , 916 D** • Römp **8 , 2292** • Fieser **1**164 **2**89 **5**162 **6**141 **8**125 **10**107 • ACS **XI** • ISO 6353/2-1983 R - 9 , 12 • BP**.2018** • USP **41** • Ph. Eur. **8.0** (2014) **9.0** (2017) • F.C.C **IV**109 •

HAZARDOUS: C.E: 029-004-00-0 • RTECS: GL 8900000 • LD L0 oral man 50 mg/kg • LD50 oral rat 6.600 mg/kg • LD L0 oral man 50 mg/kg • LD L0 oral hmn 1.088 mg/kg • LD50 oral rat 300 mg/kg •

H: H302 • H410 • H318 • H400 •
P: P264 • P310 • P270 • P501 • P273 • P280 • P301+P312 • P501 • P330 • P337+P313 • P391 •

TRANSPORT REGULATIONS: UN: 3077 • ADR: 9/III • IMDG: 9/III • IATA: 9/III • PAX: 956 • CAO: 956 • (E) •

SPECIFICATIONS:

Assay (Iodom.)	99-101 %

Maximum limit of impurities

Insoluble matter in H2SO4	0,005 %
Chloride (Cl)	0,001%
Nitrogen compounds (as N)	0,001%
As	0,0001 %

Metals by ICP [in mg/Kg (ppm)]

Ca	50
Cd	10
Co	10
Cr	5
Fe	30
Hg	5
K	10
Mg	20
Mn	5
Na	50
Ni	50
Pb	50
Si	5
Sr	5
Ti	5
V	5
Zn	300