

PRODUCT CODE: 131771

Iodine resublimed pearls (Reag. USP) for analysis, ACS

I₂

I₂

M.= 253,81

CAS [7553-56-2]

EINECS 231-442-4

TARIC 2801 20 00 00

PHYSICAL DATA: Bluish-black lustrous pearls, Soluble in water 0,3 g/l at 20 °C D 4,93 • M.P.: 113,6 °C • B.P.: 185,24 °C • Vap. press. (20 °C) 0,28 hPa •

BIBLIOGRAPHY: Merck Index **12**, 5.034 13, 5.036 Sax **IDM000** • Safety **2**, **1988 D** • Römp **8**, **1908** • Kühn-Birett **J 1** • Fieser 1498 **2200 3109 4258 5346 6293 7179 8256 9248 10210 1161 12253 13148 14181 15172** • ACS **XI** • ISO 6353/3-1987R - 68 , 36 • BP.**2021** • USP **42** • Ph. Eur. **9.0** (2017) **10.0** (2020) • Royal Decree I1160 •

HAZARDOUS: C.E: 053-001-00-3 • RTECS: NN 1575000 • LD50 oral rat 315 mg/kg • LC50 rat 4.588 mg/l / 4h, EPA OPPTS 870.1200 • LD50 skn rbt 1.425 mg/kg / (OECD 403) • NOAEL rat 10 mg/kg 24hNOAEL rat 0,375 mg/kg 100 dVLA-EC 0,1 ppm1 mg/m3 DNEL Population, Dermal, short term (acute) 0.01mg/kg/24h Population, Dermal, long term (prolonged exposure) 0.01mg/kg/24h Population Inhalation, short term (acute) 1 mg/m3 Population Inhalation, long term (prolonged exposure) 0,07 mg/m3 PNEC Freshwater 18.13µg/l Soil 5.95mg/kg Marine water 60.01µg/l Sewage treatment plant 11mg/l Sediment 3.99mg/kg Marine water 20.22mg/kg



H: H302+H312+H332 • H315 • H319 • H335 • H372 • H400 •

P: P260 • P280 • P273 • P305+P351+P338 • P302+P352 • P304+P340 • P501 •

TRANSPORT REGULATIONS: UN: 3495 • ADR: 8(6.1)/III • IMDG: 8(6.1)/III • IATA: 8(6.1)/III • PAX: 860 • CAO: 864 • (E) •

SPECIFICATIONS:

Minimum assay (Iodom.)

99,8%

Identity :

Identity

passes test

Maximum limit of impurities

Insoluble matter in KI	passes test
Non-volatile matter	0,01 %
Chlorine and Bromine (as Cl)	0,005%
Chloride and bromide (as Cl)	0,005%
Ca	0,001 %
Cd	0,0005 %
Co	0,0005 %
Cr	0,0005 %
Cu	0,0005 %
Fe	0,005 %
K	0,005 %
Mg	0,0005 %
Mn	0,0005 %
Na	0,005 %
Ni	0,0005 %
Pb	0,0005 %
Zn	0,0005 %