DEEPWATER
C H E M I C A L S

Technical Data Sheet

POTASSIUM PERIODATE

1. Chemical Product Identification

GHS Product Identifier: 130.04, Potassium Periodate; 130.44, Potassium Periodate ACS.

Formula: KIO_4

CAS No.: 7790-21-8

Formula Description: White to off-white granular powder.

Recommended Use: Used as source of Periodic acid, analytical reagent or oxidizing agent.

General Properties:
Molecular Weight: 230.0
Solubility: 0.42 g/100 ml H_2O (20°C)
              7.87 g/100 ml H_2O (100°C)

2. Chemical Product Specifications

Chemical Identity	Assay
Potassium Periodate	98.0% minimum

Chemical Identity	Assay	Other Halogens (as Cl)	Magnesium
Potassium Periodate ACS	99.8 – 100.3%	≤ 0.01%	≤ 1 ppm
Conforms to current ACS Edition			

3. Standard Packaging

Net Weight	Packaging
50 kgs.	UN1G 8 gal Fiberdrum
Material packaged with anti-static liner; suitable for export.	

4. Transport Information

SHIPPING CRITERIA	US DOT	IATA and IMDG
Proper Shipping Name	Oxidizing Solid, N.O.S (Potassium Periodate)	Oxidizing Solid, N.O.S (Potassium Periodate)
Hazard Class	Class 5.1	Class 5.1
Identification Number	UN 1479	UN 1479
Packing Group	PG II	PG II
Shipping Label	Oxidizer	Oxidizer
Additional Marking Requirement	Consult the 49 CFR §172 for special provisions and markings	Consult the IATA Dangerous Goods Regulations

5. Handling and Storage

Storage Conditions: Store in UN-rated fiber, HDPE drum or Tote. Store in a cool, dry, well-ventilated area away from incompatible substances, direct sunlight or elevated temperatures. Keep containers tightly closed using a tamper-evident seal. Protect against physical damage. Shower and dispose of outer clothing and change to clean garments at the end of the day. Wash hands before eating and do not eat, drink or smoke in workplace. Containers of this material may be hazardous when empty since they retain product residues.

SDS with detailed information available upon request.