

Ammonium Persulfate

CAS No. 7727-54-0

Formula (NH₄)₂S₂O₈ MW 228.2 g/mole

Synonyms Ammonium Peroxydisulfate

Typical Analysis by weight Percentage

Purity, %	98.5
Active Oxygen, %	6.91
Moisture, %	0.02
Ammonium Persulfate, %	-
Sodium Persulfate, %	-
pH (1% solution)	5-7
Insoluble, ppm	20

Typical Metal Analysis by ppm

Iron,ppm	1
Copper,ppm	<0.35
Chloride,ppm	<10
Heavy Metals, as Pb, ppm	<1
Manganese,ppm	<0.5
Chromium, ppm	<0.5
Sodium, ppm	20
Potassium, ppm	50

Chemical and Physical Properties

Odor	None
Appearance	White crystals
Melting Point	Decomposes
Specific Gravity	1.98 g/ml @ 20°C (68°F)
Solubility in water @ 25°C (77°F)	85%
Loose bulk density	1.05 g/cc
Crystal density	1.98 g/cc

Shipment Information

DOT Classification – 5.1 (Oxidizer), yellow oxidizer lable
55 lb (24.9 kg.)- polyethylene bag; 225 lb (101.9 kg.) – Fber drum, polyethylene liner;
1000-2200 lb – IBC – polypropylene sack, polyethylene liner

Uses

Polymerization initiator, depolymerization in starch modification, and hair bleach formulation

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