

Ammonium Persulfate ((NH₄)₂S₂O₈)

CAS No.: 7727-54-0

IMDG CODE: CLASS 5.1

UN NO.: 1444

HS CODE: 28334000

Molecular Formula: (NH₄)₂S₂O₈

Molecular Weight : 228.20

Synonyms: Ammonium Peroxydisulfate; Peroxydisulfuric Acid, Diammonium Salt;
Diammonium peroxydisulfate

Package: Net weight 25kg, woven/PE bag with linner; Net weight 500kg/1000kg woven bag

Ammonium persulfate is a white monomeric crystal with the density of 1.98. It can be wholly decomposed at 120 °C. It can be reserved non-decomposable for long period when completely dried. It has low hygroscopy and will gradually decompose to emit oxygen and ozone after absorbing moisture. It decomposes while being dissolved in the water and being heated. It is used as chemical reagent, oxidant, bleacher, deodorizer, and initiator for the polymerization of monomers. It has the particular advantage of having strong oxidation. It's easy and safe to handle.

Technical Index

Items	SPECIFICATION
Appearance	White crystal powder
ASSAY (NH ₄) ₂ S ₂ O ₈	≥98.50 %
Ignition residue (based on sulfate)	≤ 0.05%
Fe	≤ 0.0005%
Mn	≤ 0.0001%
Heavy metals (as Pb Count)	≤ 0.001%
Moisture	≤0.15%
Cl	≤0.001%
Active Oxygen	≥6.90%
PH Value (50g/L solution)	3.0-5.0

