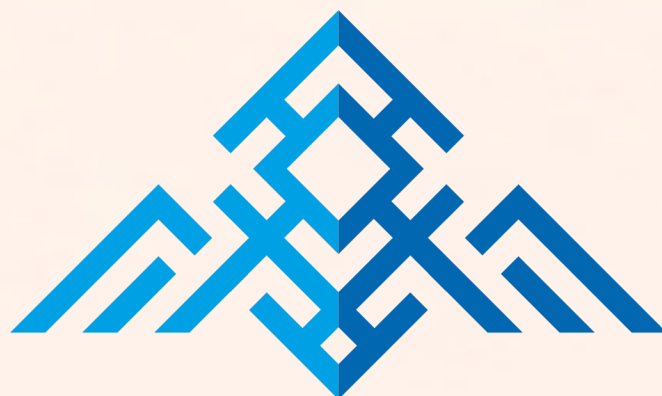


SPECIALITY INORGANIC SALTS

ONYFLOW®



OXXYY
GROUP OF COMPANIES

AGRICULTURE | CHEMICALS | FOODS | PHARMACEUTICAL | TECHNOLOGY

ABOUT : OXXYY GROUP OF COMPANIES

Oxyy Group of Companies is more than just a supplier or multi-product specialist. With on-the-ground staff and presence in Australia, Bahrain, Canada, Germany, Qatar, Thailand, UAE, USA, the company is headquartered in India.

Oxyy supplies nanotechnology-based specialty chemicals for Oil & Gas, lubricant additives, oil packages, paint and coating additives, and cosmetic additives under their Chemical Division. Oxyy also supplies nanotechnology-based organic and biofertilizers under their Agriculture division. They also export various processed, packed, and raw food items under their Food Division and various API bulk drugs and generic medicines under their Pharmaceutical Division. They also cater Speciality Inorganic Salts used under all the above industry types.

The company's strong performance and growth may be attributed to its dependable, long-lasting, and responsive relationships with its clients and customers, as well as innovative R&D and solid on-the-ground personnel. Oxyy has a central Research & Development team which is working round the clock to enhance all the multi-division products based on latest technologies. Apart from these if the customer requires development of new products Oxyy's R&D team is always ready to take up the challenge and deliver expected results.

At the forefront of Speciality inorganic Salts, Oxyy Group offers a comprehensive range of Peroxysulfates tailored to utilize their strong oxidizing properties. We specialize in the production of high-purity persulfates, catering to a diverse range of industries worldwide. Our research into the characteristics of peroxydisulfates has improved the quality and the stability of all ONYFLOW® persulfates.

Oxyy products are designed using the latest nanotechnology-based catalysts to ensure superior performance and innovative solutions for various industries including Polymer Industry, Electronics Industry, Cosmetics and Personal Care Industry, Textile Industry, Pulp and Paper Industry, Water Treatment Industry and Oil & Gas Industry.

At Oxyy, we believe that developing solid, long-term partnerships allows us to grow together. We constantly work with our team, collaborators, partners, and clients in complete transparency. The key to success is to become familiar with current technology breakthroughs and share them with our partners and clients in order to enhance and uplift them.

OXXYY GROUP : INNOVATING THE FUTURE OF INORGANIC SALTS

Oxyy Group is a leading global manufacturer of specialty inorganic salts, renowned for our commitment to quality, innovation, and customer satisfaction. Our advanced manufacturing facilities, combined with rigorous quality control and a dedicated research and development team, ensure that we provide products of unparalleled excellence.

ONYFLOW®: Our Trusted Brand

Oxyy has established a trusted and well-known brand in the market under the name of ONYFLOW®. Our products deliver exceptional reactivity, stability, and efficiency, ensuring optimal performance in a wide range of sectors, from electronics and polymer production to water treatment and environmental remediation.

White Label Solutions :-

Understanding the diverse needs of our clients, Oxyy also supports companies that want to source our products under white labeling based on their specific requirements. This flexibility allows businesses to leverage our cutting-edge technology while maintaining their unique brand identity.

Customized Solutions :-

Oxyy's R&D team is dedicated to innovation and customer satisfaction. We offer tailored solutions to meet the unique challenges and specifications of our clients. Whether it's developing a new product or optimizing an existing formulation, our team collaborates closely with clients to deliver customized additives that address specific needs and problem statements.

Oxyy Group is committed to the principles of Product Stewardship and to manufacturing, transporting, storing, and using chemicals in a safe manner. The commitment begins with the manufacturing process and continues throughout the life cycle of our products. Our continuing effort is to ensure that safety, health, and environmental issues are addressed wherever persulfates are handled or used.

PERSULFATES : TECHNICAL DESCRIPTION & PRODUCT LIST

Persulfates or Peroxysulfates are type of speciality inorganic salts which Oxyy Group manufactures. Persulfates are the most chemically active of the peroxygens, with great utility in a variety of chemical processes. ONYFLOW® persulfates, backed by years of experience, are manufactured to strict specifications for thermal stability, making them among the most stable available.

An understanding of the crystalline structure of persulfates and the interplay with heat and moisture have changed quality control procedures, manufacturing processes, and storage requirements for these products. We have established new specifications for thermal stability which make persulfates among the most stable available. Persulfates are strong oxidants, have excellent shelf life when stored properly, and are economical to use. These properties make persulfates suitable for a variety of applications.

SR. NO.	PRODUCT NAME	DESCRIPTION	CAS NO.
1.	ONYFLOW® GC-001	AMMONIUM PEROXODISULFATE OR AMMONIUM PERSULFATE	7727-54-0
2.	ONYFLOW® GC-002	SODIUM PEROXODISULFATE OR SODIUM PERSULFATE	7775-27-1
3.	ONYFLOW® GC-003	POTASSIUM PEROXODISULFATE OR POTASSIUM PERSULFATE	7727-21-1

OUR REGISTERED TRADEMARK:

ONYFLOW®

PERSULFATES : APPLICATIONS

Persulfates are key components in many industrial processes and commercial products. The polymer industry uses aqueous solutions of persulfates as initiators in the polymerization of latex and synthetic rubber. The electronics industry considers sodium persulfate an efficient micro etchant in the manufacture of printed circuit boards. The following examples further illustrate the chemical versatility of persulfates.

POLYMERIZATION:-

PLASTICS AND RUBBER (POLYMER INDUSTRY) :

1. Ammonium, potassium, and sodium persulfates are used as initiators for emulsion polymerization reactions in the preparation of acrylics, polyvinyl chlorides(PVC), polystyrenes, and neoprene.
2. They are used as polymerization initiators in the manufacture of synthetic rubber (styrene butadiene and isoprene) for automobile and truck tires.
3. Persulfate initiation is used to prepare latex polymers for paints, coatings, and carpet backing.

STRUCTURAL MATERIALS (CONSTRUCTION INDUSTRY) : Persulfates are used as initiators in polymeric concrete formulations.

INORGANIC CHEMICALS AND MINERALS : Persulfates are also initiators for the polymeric coating of graphite filaments.

SOIL STABILIZATION : Ammonium persulfate is used as a curing agent in chemical grout systems used to stabilize soil near dams, tunnels, and buildings.



OXIDATION :-

SURFACE PREPARATION :

1. The oxidation power of persulfates is used to clean and micro etch a variety of printed circuit board substrates.
2. Persulfates are important oxidants in plating and coating processes.
3. They are also etchants for nickel, titanium, and zinc alloys.
4. Persulfates are used to clean and mill aluminium, brass, copper, and many other metal surfaces prior to plating or adhesive bonding.
5. Persulfates are used to clean and activate carbon and charcoal before and after their use as absorbents.

COSMETICS/PERSONAL CARE : The cosmetic industry has developed formulations which use persulfates to boost hair bleaching performance.

ORGANIC SYNTHESIS : Persulfates are oxidizing agents in the preparation of aldehydes, ketones, carboxylic acids, quinones, and a variety of other compounds.

PHARMACEUTICALS : This industry uses sodium persulfate as a reagent in the preparation of antibiotics.



Other Applications :-

ADHESIVE : Persulfates are used in the preparation of adhesive films and metal bonding adhesives.

OIL & GAS PRODUCTION : In enhanced oil recovery, persulfates are used “down hole” for gel forming and breaking.

INKS, PIGMENTS, AND DISPERSANTS :

1. Persulfates are used to graft substrates to polymers (for example, carbon black to sodium acrylate).
2. Persulfates are used in the preparation of dispersants for ink jetting and toner formulations.

MINING : Persulfates can be used in nickel and cobalt separation processes.

PHOTOGRAPHY/WATER TREATMENT : Persulfates are used in many photographic applications, including bleaching solutions, solution regeneration, equipment cleaning, and wastewater treatment.

PULP AND PAPER : Persulfates are used in the sizing of paper, preparation of binders and coatings, and production of special papers. An activated alkali metal persulfate effectively repulps neutral/ alkaline wet strength broke and decolorizes dyes and optical brightener.

TEXTILES : Ammonium and sodium persulfates are used in the desizing and bleaching of textiles and the development of dyestuffs.

ENVIRONMENTAL : Persulfates are very strong oxidants, have excellent shelf life when stored properly, and are economical to use. These properties make persulfates suitable for a variety of environmental applications, such as soil remediation and wastewater/groundwater clean-up.

CONTACT US



+91 90995 1113



WWW.OXXYY.COM



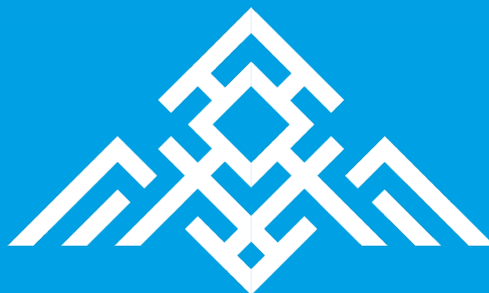
+1 (281) 742 8358



INFO@OXXYY.COM



GUJARAT, INDIA



OXXYY
GROUP OF COMPANIES

