

About JMC Corporation

JMC (originally the Jeil Moolsan Company) was established in 1953 and is a world leader in the field of saccharin and sulfur-based fine chemicals. JMC was acquired by the KISCO group in 2004. JMC's research and development leverages the capabilities across the KISCO group and JMC provides raw materials for many other products manufactured by KISCO. JMC produces materials for fluorescent pigment/resins, medicinal intermediates, electronics, plastics and agriculture. JMC is also a large-scale manufacturer of saccharin, a safe, artificial sweetener that enables a drastic reduction in sugar content. We supply saccharin to some of the world's largest, quality-oriented, multinational food and medicine producers.

About KISCO Group

Kyung-In Synthetic Corporation (KISCO) is a large-scale developer and manufacturer of dyes, inks, fine chemicals and other functional materials that has been operating for over 50 years. KISCO has 3 subsidiaries, JMC, DKC and Wisechem that together make up the KISCO group. The combined KISCO group has a market capitalisation of around \$US300M and had sales of over \$US 310M in 2020. The group employs around 1000 staff at 11 manufacturing plants in South Korea as well as one in Turkey. We have over 80 R&D staff and are supported by representatives and agents in over 60 different countries. KISCO core values include safety, the environment, respect for people and delivering on our commitments to our customers.

KISCO has a track record of successful, long-term partnerships and extensive experience with establishing and managing joint ventures. Through these partnerships KISCO is constantly expanding our range of activities and working with our partners to open up new markets and new applications for our technologies. We are based in Korea but our business is global.

Our name

Kyung-In refers to the region between Seoul and Incheon, Korea's major international airport. The Kyung-In region is home to thousands of companies providing ready access to a large range of suppliers and customers.



PRODUCT LIST

Product	Structural Formula	Use
Sodium saccharin 15% water		<ul style="list-style-type: none"> • Food additives (confectionery, baked goods, cereals, chewing gum, jams, ketchup, coffee sweetener, nutrient supplement foods) • Personal care (toothpaste, mouth wash)
Sodium saccharin 6% water		<ul style="list-style-type: none"> • Low-calorie sweetener • Beverages • Pharmaceuticals • Cosmetics • Electroplating solutions • Animal feed
Insoluble saccharin		<ul style="list-style-type: none"> • Animal feed
para toluenesulfonamide (PTSA)		<ul style="list-style-type: none"> • Plasticizer in thermosetting resins • Raw material for fluorescent pigments and dye stuffs
mixed ortho/para toluenesulfonamide (OPTSA)		<ul style="list-style-type: none"> • Plasticizer in thermosetting resins • Raw material for fluorescent pigments and nail polish resins • Plasticizer in melamine coatings and laminating resins
ortho toluenesulfonamide (OTSA)		<ul style="list-style-type: none"> • Raw material for saccharin production • Pharmaceutical intermediate
para toluenesulfonyl chloride (PTSC)		<ul style="list-style-type: none"> • Raw material for dye stuff • Foaming agent • Agricultural chemical
Potassium sulfate	K_2SO_4	<ul style="list-style-type: none"> • High quality agriculture fertilizer. Particularly suited to pineapples, bananas and other high value crops.
Sodium bisulfite	$NaHSO_3$	<ul style="list-style-type: none"> • Bleaching agent
Chlorosulfonic acid	HSO_3Cl	<ul style="list-style-type: none"> • Material for shampoo/detergent • Foaming agent • Material for textile dyeing agent
Hydrochloric acid	HCl	<ul style="list-style-type: none"> • Industrial chemical
4-fluorobenzenesulfonyl chloride (4-FBSC)		<ul style="list-style-type: none"> • Pharmaceutical intermediate

PRODUCT LIST

Product	Structural Formula	Use
4,4'-bis(chloromethyl)-1,1'-biphenyl (BCMB)		<ul style="list-style-type: none"> • Epoxy molding compound for electronics • Copper-clad laminate for electronics
Graphene Oxide $\leq 40\mu m$		
Graphene Oxide $\leq 20\mu m$		
Graphene Oxide $\leq 5\mu m$		<ul style="list-style-type: none"> • HVDC cable, batteries, radiation shielding, light-weight materials, composites, barrier films
Graphene Oxide - LM		
Graphene Oxide -AF		
Graphene Oxide - HC (For Special)		

Core Technologies

Chlorosulfonation / sulfonation: $ArH \rightarrow ArSO_2Cl, ArSO_3H$

Chlorination: $R-OH \rightarrow R-Cl$

Chloromethylation: $ArH \rightarrow ArCH_2Cl$

Friedel Craft Reactions: $ArH + RX \rightarrow ArR$ $ArH + RCOX \rightarrow ArCOR$

Oxidation: $ArCH_3 \rightarrow ArCOOH$

Oxidation: $graphite \rightarrow graphene\ oxide \rightarrow reduced\ graphene\ oxide$