



股票代码/Stock Code
835595

湖北固润科技股份有限公司成立于2011年，位于荆门化工循环产业园，占地约420亩，是“新三板”创新层企业、国家重点专精特新“小巨人”企业。

主要产品有自由基光引发剂、阳离子光引发剂和热引发剂、阳离子单体及树脂、光固化3D打印材料、光刻胶原材料、特种单体和树脂、苯基磷化物中间体等。

公司始终坚持科技创新引领企业发展，与王佛松院士建立了国家示范院士工作站，并与国内外高校长期紧密合作，建立了百余人的专业人才队伍，投资建设了固润科技研究院，创建了湖北省光固化材料工程技术研究中心、湖北省中试基地、湖北省博士后创新实践基地、湖北省工程研究中心、湖北省企业技术中心等，申请国内外专利120多项，获得中国专利优秀奖、中国轻工业联合会技术发明二等奖、湖北省科技进步一等奖、湖北省高价值专利大赛金奖、湖北省专利奖银奖。

Hubei Gurun Technology Co., Ltd. was established in 2011, located in Jingmen Chemical Recycling Industrial Park, covering an area of approximately 420 acres. It is an innovative enterprise on the OTC and a national key specialized "Small Giant" enterprise.

The main products include Free Radical photoinitiators, Cationic photoinitiators and Thermal initiators, Cationic monomers and resins, Photocurable 3D printing materials, Photoresist collagen materials, Special monomers and resins, Phenyl phosphide intermediates, etc.

The company always adheres to technological innovation leading enterprise development, has established a national demonstration academician workstation with Academician Wang Fosong, and has long-term close cooperation with domestic and foreign universities to establish a professional talent team of more than 100 people. It has invested in the construction of Gurun Technology Research Institute, and has established the Hubei Province Photosolid Materials Engineering Technology Research Center, Hubei Province Pilot Base, Hubei Province Postdoctoral Innovation Practice Base, Hubei Province Engineering Research Center Hubei Provincial Enterprise Technology Center has applied for more than 120 domestic and foreign patents, and has won the China Patent Excellence Award, the Second Prize of the China Light Industry Federation Technology Invention Award, the First Prize of Hubei Provincial Science and Technology Progress Award, the Gold Award of Hubei High Value Patent Competition, and the Silver Award of Hubei Provincial Patent Award.

湖北固润科技股份有限公司

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Rev4.1

光引发剂/单体/中间体
Photoinitiator/Monomer/Intermediate

湖北固润科技股份有限公司
Hubei Gurun Technology Co. Ltd

自由基型光引发剂 FREE RADICAL PHOTOINITIATOR

产品代码 Product Code	CAS No.	化学品名 Chemical Name	化学结构式 Chemical Structure	吸收峰 (nm) Absorption Peak
GR-TP67	2766455-29-0	可用于替代TPO的低气味引发剂, 低毒性, 适用于LED固化 TPO Alternatives with Low odor/Low toxicity/ Environment friendly. Suitable for LED curing.	/	378
GR-TP89	2097600-97-8			
GR-TPO	75980-60-8	(2,4,6-三甲基苯甲酰基)二苯基氧化膦 2,4,6-Trimethyl benzoyldiphenyl phosphine oxide		295, 368, 380, 400
GR-XBPO	162881-26-7	苯基双(2,4,6-三甲基苯甲酰基)氧化膦 Bis(2,4,6-trimethylbenzoyl)phenylphosphine oxide		338, 370, 405
GR-TPO-L	84434-11-7	2,4,6-三甲基苯甲酰基苯基膦酸乙酯 Ethyl(2,4,6-trimethylbenzoyl) phenylphosphinate		369
GR-ITX	5495-84-1	2-异丙基硫杂蒽酮 2-Isopropylthioxanthone		258, 382
GR-DETX	82799-44-8	2,4-二乙基硫杂蒽酮 2,4-Diethylthioxanthone		261, 385
GR-907	71868-10-5	2-甲基-1-(4-甲硫基苯基)-2-吗啉基-1-丙酮 2-Methyl-1-[4-(methylthio)phenyl]-2-morpholinopropane-1-one		240, 306
GR-369	119313-12-1	2-苯基-2-二甲氨基-1-(4-吗啉基)丁酮 2-Benzyl-2-dimethylamino-1-(4-morpholinophenyl)butanone		206, 323
GR-184	947-19-3	1-羟基环己基苯基甲酮 1-Hydroxy-Cyclohexyl Phenyl Ketone		244, 280, 326
GR-1173	7473-98-5	2-羟基-2-甲基苯基丙烷-1-酮 2-Hydroxy-2-methyl-1-phenylpropane-1-one		244, 278, 322
GR-EDB	10287-53-3	对二甲氨基苯甲酸乙酯 Ethyl 4-dimethylaminobenzoate		315
GR-FMT	125051-32-3	双(2,6-二氟-3-吡咯基)二茂钛 Bis(2,6-difluoro-3-(1-hydroxypropyl-1-yl)-phenyl) titanocene		333, 396, 470
GR-OXE01	253585-83-0	1-[4-(苯硫基)苯基]-1,2-辛烷二酮 2-(O-苯甲酰基) 1-[4-(Phenylthio)phenyl]-1,2-octanedione 2-(O-benzoyloxime)		252, 328
GR-OXE02	478556-66-0	1-(6-邻甲基苯甲酰基-N-乙基吡唑)-1-乙酮肟乙酯 [1-[9-ethyl-6-(2-methylbenzoyl)carbazol-3-yl] ethylideneamino] acetate		252, 291, 328
GR-POXE205	2957211-61-7	肟酯型引发剂 Oxime Ester Photoinitiator	/	379

阳离子单体和树脂 CATIONIC MONOMER&RESIN

产品代码 Product Code	CAS No.	化学品名 Chemical Name	化学结构式 Chemical Structure	特性 Feature
GR-OXT-1	3047-32-3	3-乙基-3-羟甲基氧杂环丁烷 3-Ethyl-3-(hydroxymethyl)oxetane		低粘度、高附着 Low viscosity, high cohesive force
GR-OXT-3	18934-00-4	3,3'-(氧基双亚甲基)双(3-乙基)氧杂环丁烷 3,3'-[Oxybis(methylene)]bis(3-ethyloxetane)		低粘度、高固化速度、高硬度 Low viscosity, high cure-speed, high rigidity
GR-OXT044	298695-60-0	3-乙基-3-[[2-乙基己基(氧基)甲基]氧杂环丁烷 3-Ethyl-3-[[2-ethylhexyloxy)methyl]oxetane		低粘度、韧性好 Low viscosity, good tenacity
GR-OXT046	18933-99-8	3-乙基-3-(苄氧基甲基)氧杂环丁烷 3-Ethyl-3-[(benzyloxy)methyl]oxetane		低粘度、兼具刚性和柔性 Low viscosity, rigidity & flexibility
GR-OXT049	37674-57-0	3-乙基-3-(甲基丙酰氧基甲基)氧杂环丁烷 3-Ethyl-3-(methacryloyloxymethyl)oxetane		自由基&阳离子双重固化 Suitable for free radical-cationic hybrid system
GR-OXT103	41988-14-1	3-乙基-3-(丙酰氧基甲基)氧杂环丁烷 3-Ethyl-3-(acryloyloxymethyl)oxetane		自由基&阳离子双重固化 Suitable for free radical-cationic hybrid system
GR-OXT101	3207-04-3	3-[(烯丙氧基)甲基]-3-乙基氧杂环丁烷 3-Ethyl-3-[(2-propenyloxy)methyl]-oxetane		低粘度、高附着 Low viscosity, high cohesive force
GR-OXT104	358365-48-7	4,4'-羟甲基苯基聚合物氧杂环丁烷 Oxetane Biphenyl		兼具刚性和柔性、耐化学性 Rigidity & flexibility, good chemical resistance property
GR-OXT105	3143-02-0	3-甲基-3-羟甲基氧杂环丁烷 3-methyl-3-oxetanemethanol		低粘度、高附着 Low viscosity, high cohesive force
GR-OXT-6	15957-34-3	3-乙基-3-(环氧乙基氧基)甲基)氧杂环丁烷 (3-Ethyl-3-((oxiran-2-yl)methoxy)methyl)oxetane		低粘度、高附着 Low viscosity, high cohesive force
GR-OXT108	126050-33-7	3,3'-[1,4-丁基双(氧甲基)]双[3-乙基氧杂环丁烷] 3,3'-[1,4-Butanediylbis(oxyethylene)]bis[3-ethyloxetane]		高固化速度、高柔性 high cure-speed, high flexibility
GR-OXT109	162366-56-5	3,3'-[1,6-己基双(氧甲基)]双[3-乙基氧杂环丁烷] 3,3'-[1,6-Hexanediylbis(oxyethylene)]bis[3-ethyloxetane]		高固化速度、高柔性 high cure-speed, high flexibility
GR-Si125	18724-32-8	1,1,3,3-四甲基-1,3-双-[2-[7-氧化双环[4.1.0]庚-3-基]乙基]二硅氧烷 Bis[2-(3,4-epoxycyclohexyl)ethyl] tetramethyldisiloxane		高活性、高柔性、耐化学性能 High photoreactivity, high flexibility, good chemical resistance property
GR-Si127	121225-98-7	四环氧基环己基乙基 2,4,6,8-四甲基环四硅氧烷 tetraakis(epoxycyclohexyl)ethyl] tetramethylcyclotetrasiloxane		高硬度、高Tg、耐性好、透明度高 high rigidity, High Tg, good weather resistance, high transparency

阳离子型光引发剂&中间体 CATIONIC PHOTOINITIATOR&INTERMEDIATE

产品代码 Product Code	CAS No.	化学品名 Chemical Name	吸收峰 (nm) Absorption Peak	纯度 Purity	化学结构式 Chemical Structure	外观 Appearance	应用 Application
GR-SS056	75482-18-7	4-(苯硫基)苯基二苯基硫鎓六氟磷酸盐 Diphenyl[(phenylthio)phenyl]sulfonium hexafluorophosphate	292	≥99%		白色固体粉末 White crystalline powder	阳离子固化材料、3D打印 Cationic curable materials, 3D printing
GR-SS992	75482-18-7 74227-35-3	混合硫鎓六氟磷酸盐 Mixed Sulfonium Hexafluorophosphate	245、296	≥40%		淡黄色透明液体 Yellowish liquid	阳离子固化材料、3D打印 Cationic curable materials, 3D printing
GR-SS059	71449-78-0	二苯基-(4-苯基硫)苯基硫六氟磷酸盐 4-Thiophenyl phenyl diphenyl sulfonium hexafluoroantimonate	300	≥99%		白色晶体粉末 White crystalline powder	阳离子固化材料、3D打印 Cationic curable materials, 3D printing
GR-SS976	71449-78-0 89452-37-9	混合硫鎓六氟磷酸盐 Mixed Sulfonium Hexafluoroantimonate	296	≥50%		淡黄色透明液体 Yellowish liquid	阳离子固化材料、3D打印 Cationic curable materials, 3D printing
GR-SS055	591773-92-1	10-(4-联苯基)-2-异丙基噻吨酮-10-硫鎓六氟磷酸盐 10-[1,1'-Biphenyl]-4-yl-2-(1-methylethyl)-9-oxo-9H-thioxanthanium hexafluorophosphate	286	≥98%		黄色晶体粉末 Yellow crystalline powder	阳离子固化材料, 适合LED固化 Cationic curable materials, suitable for LED curing
GR-SS266	591773-90-9	10-(4-联苯基)-2, 4-二乙基噻吨酮-10-硫鎓六氟磷酸盐 10-[1,1'-Biphenyl]-4-yl-2,4-diethyl-9-oxo-9H-thioxanthanium hexafluorophosphate	286	≥98%		黄色晶体粉末 Yellow crystalline powder	阳离子固化材料, 适合LED固化 Cationic curable materials, Suitable for LED curing
GR-IS051	344562-80-7	4-异丁基苯基-4'-甲基苯基碘鎓六氟磷酸盐 4-Isobutylphenyl-4'-methylphenyliodonium hexafluorophosphate	243	≥75%		淡黄色透明液体 Yellowish liquid	阳离子固化材料 Cationic curable materials
GR-IS052	71786-70-4	双(4-十二烷基苯基)碘鎓六氟磷酸盐 Bis(4-dodecylphenyl)iodonium hexafluoroantimonate	278	≥50%		黄色至棕红色液体 Yellow to brownish red liquid	阳离子固化材料 Cationic curable materials
GR-IS053	121239-75-6	(4-辛烷氧基苯基)苯基碘鎓六氟磷酸盐 (4-Octyloxyphenyl)phenyliodonium hexafluoroantimonate	205、248	≥99%		白色粉末 White powder	阳离子固化材料 Cationic curable materials
GR-IS054	61358-25-6	双(4-叔丁基苯基)碘鎓六氟磷酸盐 Bis(4-tert-butylphenyl)iodonium hexafluorophosphate	265	≥99%		白色晶体粉末 White crystalline powder	阳离子固化材料 Cationic curable materials
GR-261	32760-80-8	异丙苯茂铁六氟磷酸盐 Cyclopentadienyliron(ii) hexa-fluorophosphate	300、390、450	≥99%		棕黄色晶体 Brown yellow crystal	阳离子固化材料, 适用于延时固化体系 Cationic curable materials, suitable for post curing system
GR-262	100011-37-8	异丙苯茂铁六氟磷酸盐 Cyclopentadienyliron(ii) hexa-fluoroantimonate	300、390、450	≥99%		棕黄色晶体 Brown yellow crystal	阳离子固化材料, 适用于延时固化体系 Cationic curable materials, suitable for post curing system
GR-SS291	4270-70-6	三苯基氯化硫鎓盐 Triphenylsulfonium chloride	/	≥99%		白色粉末 White powder	阳离子光引发剂原料 Raw material of cationic photoinitiator
GR-IS226	5421-53-4	二(4-叔丁基苯基)氯化碘 Bis(4-tert-butylphenyl)iodonium chloride	/	≥99%		白色粉末 White powder	阳离子光引发剂原料 Raw material of cationic photoinitiator

定制化产品 CUSTOMISED PRODUCTS

产品代码 Product Code	CAS No.	化学品名 Chemical Name	化学结构式 Chemical Structure
GR-IS221	193345-23-2	双(4-叔丁基苯基)碘鎓樟脑磺酸盐 Bis-(4-tert-butylphenyl)-iodonium 10-camphorsulfonate	
GR-IS222	131725-16-1	双(4-叔丁基苯基)碘鎓四苯基硼酸盐 Bis-(4-tert-butylphenyl)-iodonium tetraphenylborate	
GR-IS223	198641-40-6	双(4-叔丁基苯基)碘鎓四(五氟苯基)硼酸盐 Bis-(4-tert-butylphenyl)-iodonium tetrakis (pentafluorophenyl)borate	
GR-IS224	460731-32-2	双(叔丁基苯基)碘鎓双三氟甲磺酸亚胺盐 Bis-(4-tert-butylphenyl)-iodonium bis (trifluoromethylsulfonyl)imide	
GR-IS225	61358-23-4	双(4-叔丁基苯基)碘鎓六氟锑酸盐 Bis-(4-tert-butylphenyl)-iodonium hexafluoroantimonate	
GR-IS227	229325-98-8	双(4-叔丁基苯基)碘鎓邻三氟甲基苯磺酸盐 Bis-(4-tert-butylphenyl)-iodonium trifluoromethylbenzene sulfonate	
GR-IS230	178233-72-2	4-异丙基苯基-4-甲基苯基碘鎓四(五氟苯基)硼酸盐 (4-isopropylphenyl)(p-tolyl)iodonium tetrakis(pentafluorophenyl)borate	
GR-SS263	203573-06-2	4-(苯硫基)苯基二苯基硫鎓四(五氟苯基)硼酸盐 Diphenyl[4-(phenylthio)phenyl]sulfonium tetrakis(pentafluorophenyl)borate	
GR-SS281	227199-92-0	三苯基硫鎓樟脑磺酸盐 Triphenyl sulfonium 10-camphorsulfonate	
GR-SS282	425670-97-9	三苯基硫鎓邻三氟甲基苯磺酸盐 Triphenyl sulfonium trifluoromethylbenzene sulfonate	
GR-SS286	347841-51-4	二苯基-2,4,6-三甲基苯基硫鎓对甲苯磺酸盐 Diphenyl-2,4,6-trimethylphenylsulfonium p-toluenesulfonate	
GR-LAP331	85073-19-4	苯基(2,4,6-三甲基苯基)磷酰基 lithium phenyl-2,4,6- trimethylbenzoylphosphinate	
GR-CQ88	10373-78-1	DL-1,7,7-三甲基二环[2.2.1]庚烷-2,3-二酮 DL-1,7,7-trimethyl-bicyclo[2.2.1]heptane- 2,3-dione	
GR-三嗪D	42573-57-9	2,4-双(三氯甲基)-6-对甲氧基苯基乙烯基-S-三嗪 2-[2-(4-Methoxyphenyl-2-yl)vinyl]-4,6-bis (trichloromethyl)-1,3,5-triazine	
GR-PAG70	2270831-00-8	(5-对甲氧基苯基)-5H-噻吩-2-亚基)- (4-甲氧基苯基)-乙腈 p-methoxyphenylacetonitrile, a-[5-[[p-toluene sulfonyl)oxy]imino]-2(5H)-thienylidene]	

光敏增感剂 PHOTSENSITIZER

产品代码 Product Code	CAS No.	化学品名 Chemical Name	化学结构式 Chemical Structure
GR-PS014	506426-96-6	5-(4-二苯胺苯基乙烯基)-苯乙基恶唑烷-2,4-二酮 5-(4-diphenylphenylvinyl)- phenylethylloxazolidine-2,4-dione	
GR-PS209	77016-78-5	3-苯甲酰基-7-二乙氨基香豆素 3-benzoyl-7-diethylaminocoumarin	
GR-PS210	91-44-1	7-二乙氨基-4-甲基香豆素 7-Diethylamino-4-methylcoumarin	
GR-PS311	76275-14-4	9,10-二丁氧基蒽 9,10-Dibutoxyanthracene	

苯基磷化物&中间体 PHENYL PHOSPHINE COMPOUND&INTERMEDIATE

产品代码 Product Code	CAS No.	化学品名 Chemical Name	化学结构式 Chemical Structure
GR-DPC	1079-66-9	二苯基氯化磷 Chlorodiphenyl phosphine	
GR-DCPP	644-97-3	苯基二氯化磷 Dichlorophenylphosphine	
GR-TPP	603-35-0	三苯基磷 Triphenylphosphine	
GR-PPOA	1571-33-1	苯基磷酸 Phenylphosphonic acid	
GR-DPPA	1707-03-5	二苯基磷酸 Diphenylphosphinic acid	
GR-DPP	1638-86-4	苯基亚磷酸二乙酯 Diethoxyphenylphosphine	
GR-EDPP	719-80-2	二苯基乙氧基磷 Ethyl diphenylphosphinite	
GR-TMBC	938-18-1	2,4,6-三甲基苯甲酰氯 2,4,6-Trimethylbenzoyl chloride	
GR-TDC	1271-19-8	二氯二茂钛 Titanocene dichloride	