



北京众联达科技有限公司

BEIJING UNION TECHNOLOGY CO.,LTD

单体
Monomer

中间体
Intermediate

荧光增白剂
Fluorescent brightener

光引发剂
Photo-initiator

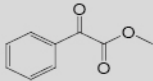
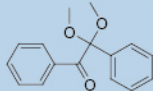
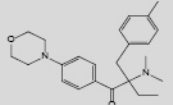
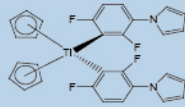
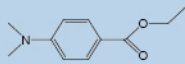
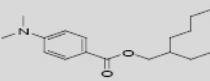
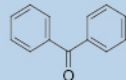
产品手册

Photo-initiator 光引发剂

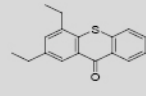
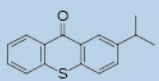
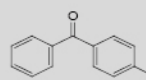
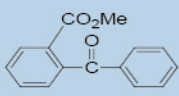
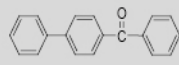
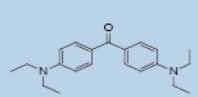
Free radical 自由基型

产品名称 Product name	化学名称 Chemical name	CAS号 CAS No.	吸收波长(nm) Absorption	外观 Appearance	结构式 Structural formula	应用 Application
PI-TPO	2,4,6-三甲基苯甲酰基-二苯基氧化膦 Diphenyl (2,4,6-trimethylbenzoyl)-phosphine oxide	75980-60-8	295,380	浅黄色晶体或粉末 Pale yellow crystal or powder		浅色油墨、涂料和胶粘剂的深层固化, UV-LED固化。 Apply to light colour inks, coatings and adhesives deep curing, UV-LED curing.
PI-TPO-L	2,4,6-三甲基苯甲酰基苯基膦酸乙酯 Ethyl (2,4,6-trimethylbenzoyl) phenylphosphinate	84434-11-7	299,366	黄色液体 Yellow liquid		浅色油墨、涂料和胶粘剂的深层固化, UV-LED固化。 Apply to light colour inks, coatings and adhesives deep curing, UV-LED curing.
PI-369	2-二甲氨基-2-苄基-1-[4-(4-吗啉基)苯基]-1-丁酮 2-Benzyl-2-(dimethylamino)-1-[4-(4-morpholinyl)phenyl]-1-butanone	119313-12-1	232,323	浅黄色晶体 Pale yellow crystal		有色油墨和涂料UV深层固化, UV-LED固化。 Apply to colour inks and coatings deep curing, UV-LED curing.
PI-XBPO	二(2, 4, 6-三甲基苯甲酰基)苯基氧化膦 Bis (2,4,6-trimethylbenzoyl) Phenylphosphine Oxide	162881-26-7	300,380	淡黄色粉末或晶体 Yellowish powder or crystal		活性高, 浅色油墨、涂料和胶粘剂的深层固化, UV-LED固化。 High activity, apply to light colour inks and coatings and adhesives deep curing, UV-LED curing.
PI-907	2-甲基-2-(4-吗啉基)-1-[4-(甲硫基)苯基]-1-丙酮 2-Methyl-1-[4-(methylthio)phenyl]-2-(4-morpholinyl)-1-propanone	71868-10-5	231,307	白色粉末 White powder		UV油墨、涂料的有色体系。 Apply to UV inks, colour coatings formulation.
PI-184	1-羟基环己基苯基甲酮 1-Hydroxycyclohexyl phenyl ketone	947-19-3	244,280,330	白色粉末或晶体 White powder or crystal		各种基材的UV固化体系。 Apply to various UV inks, coatings and adhesives curable formulation.
PI-1173	2-羟基-2-甲基-1-苯基丙酮 2-Hydroxy-2-methyl-1-phenyl-1-propanone	7473-98-5	244,278,322	无色至浅黄色液体 Colorless to pale yellow liquid		各种基材的UV固化体系。 Apply to various UV inks, coatings and adhesives curable formulation.

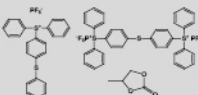
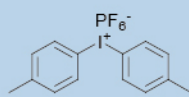
Free radical 自由基型

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PI-MBF	苯甲酰甲酸甲酯 Methyl benzoyl formate	15206-55-0	255,340	浅黄色液体 Pale yellow liquid		各种基材的UV固化体系。 Apply to various UV inks, coatings and adhesives curable formulation.
PI-BDK	2,2-二甲氧基-1,2-二苯乙酮 2,2-Dimethoxy-1,2-diphenyl-ethanone	24650-42-8	250,340	白色晶体 White crystal		各种基材的UV固化体系。 Apply to various UV inks, coatings and adhesives curable formulation.
PI-379	2-二甲氨基-2-(4-甲基)苄基-1-[4-(4-吗啉基)苯基]-1-丁酮 2-(4-Methylbenzyl)-2-(dimethylamino)-1-(4-morpholinophenyl)butan-1-one	119344-86-4	232,323	浅黄色粉末 Pale yellow powder		有色油墨和涂料UV深层固化, UV-LED固化。 Apply to colour inks and coatings deep curing, UV-LED curing.
PI-784	双(2,6-二氟-3-吡咯苯基)二茂钛 Bis(2,6-difluoro-3-(1H-pyrrol-1-yl)-phenyl) titanium	125051-32-3	333,410,480	黄色固体 Yellow powder		用可见光固化体系。 Apply to visible light curable curing formulation.
PI-160	双官能团A-羟基酮 Difunctional alpha hydroxy ketone	71868-15-0	275	类白色至浅黄色粉末 Off white to pale yellow powder		活性高、低气味和低黄变, 用于多种基材的UV固化体系。 High activity and low-odor and low yellowing, apply to various substrate's UV curing formulation.
PI-EDB	4-二甲氨基苯甲酸乙酯 4-(Dimethylamino)-benzoic acid ethyl ester	10287-53-3	228,308	白色固体 White powder		氨基助剂, 提高UV固化效率。 Amine auxiliaries, apply to improving UV curing efficiency.
PI-EHA	4-(二甲氨基)-苯甲酸-(2-乙基)己酯 4-(Dimethylamino)-benzoic acid 2-ethylhexyl ester	21245-02-3	310	浅黄色液体 Pale yellow liquid		氨基助剂, 提高UV固化效率。 Amine auxiliaries, apply to improving UV curing efficiency.
PI-BP	二苯甲酮 Benzophenone	119-61-9	250	白色片状固体 White flakes		固化速度快, 用于多种UV固化体系。 Fast curing, apply to various UV curable formulation.

Free radical 自由基型

产品名称 Product name	化学名称 Chemical name	CAS号 CAS No.	吸收波长(nm) Absorption	外观 Appearance	结构式 Structural formula	应用 Application
PI-DETX	2,4-二乙基硫杂蒽酮 2,4-Diethyl-9H-Thioxanthen-9-one	82799-44-8	261,385	黄色固体 Yellow powder		有色涂料和油墨的光固化、UV-LED固化。 Apply to colour inks and coatings curing,UV-LED curing.
PI-ITX	2-异丙基硫杂蒽酮 2-Isopropylthioxanthone	5495-84-1	258,382	浅黄色粉末 Pale yellow powder		有色涂料和油墨的光固化、UV-LED固化。 Apply to colour inks and coatings curing,UV-LED curing.
PI-MBP	4-甲基二苯甲酮 4-Methylbenzophenone	134-84-9	260,340	白色片状或粉末晶体 White flakes or powder		用于多种UV固化体系。 Apply to various UV inks, coatings and adhesives curable formulation.
PI-OMBB	邻苯甲酰基苯甲酸甲酯 2-Benzoylbenzoic acid methyl ester	606-28-0	246,320	白色粉末 White powder		低气味，用于多种UV固化体系。 Low odor, apply to various UV inks, coatings and adhesives curable formulation.
PI-PBZ	4-苯基二苯甲酮 4-Benzoylbiphenyl [1,1'-biphenyl]-4-ylphenyl-methanone	2128-93-0	289,350	白色粉末或片状固体 White powder or flakes		低气味，用于多种UV固化体系。 Low odor, apply to various UV inks, coatings and adhesives curable formulation.
PI-602	***	***	296	类白色晶体 Off white crystal	***	低气味，用于多种UV固化体系。 Low odour, apply to various UV curable formulation.
PI-608	***	***	209,290	类白色晶体 Off white crystal	***	低气味，用于多种UV固化体系。 Low odour, apply to various UV curable formulation.
PI-EMK	4,4'-二(二乙氨基)二苯甲酮 4,4'-bis(diethylamino) benzophenone	90-93-7	248,374	浅黄色粉末 Pale yellow powder		用于多种材料的UV固化体系。 Apply to various UV inks, coatings and adhesives curable formulation.

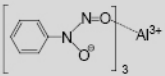
Cationic阳离子型

产品名称 Product name	化学名称 Chemical name	CAS号 CAS No.	吸收波长(nm) Absorption	外观 Appearance	结构式 Structural formula	应用 Application
PI-432	混合硫鎓六氟磷酸盐 & 碳酸丙烯酯 Mixed sulfonium hexafluorophosphate salts & Propylene carbonate	68156-13-8 & 74227-35-3 & 108-32-7	245,296	浅黄色透明液体 Pale yellow liquid		阳离子UV固化材料，适用于厚涂层,3D打印。 Cationic curable materials, it is suitable for thick coatings curing, 3D printing curing.
PI-440	4,4'-二甲基二苯基碘鎓盐六氟磷酸盐 4,4'-Dimethyl-diphenyl iodonium hexafluorophosphate	60565-88-0	267	白色固体 White Powder		阳离子UV固化材料，气味低和无苯释放，可用于食品包装。 Cationic curable materials, which is non-benzene releasing and low odour, perfect to UV ink curing of the food packaging.

Polymeric 大分子型

产品名称 Product name	化学名称 Chemical name	CAS号 CAS No.	吸收波长(nm) Absorption	外观 Appearance	结构式 Structural formula	应用 Application
PI-150	聚合[2-羟基-2-甲基-1-[4-(1-甲基乙烯基)苯基]丙酮 Benzene, (1-methylethenyl)-, homopolymer, ar-(2-hydroxy-2-methyl-1-oxopropyl) derivs.	163702-01-0	280	橙黄色粘胶的液体 Reddish brown sticky liquid	***	低迁移、低气味、低黄变、表干好。 Low migration, low odor, less yellowing and excellent surface curing.
PI-BMNH	***	***	308	棕黄至棕红色 粘稠液体 Brown to dark brown liquid	***	低迁移、低气味、易溶解使用，用于多种基材表面的UV固化体系。 Low migration, low odor, easy to dissolve, it can apply to UV curing formulation on various substrates.
PI-BMBP	***	***	280	浅黄色至棕红色 Pale straw colored to dark brown viscous liquid	***	无迁移、低气味、易溶解，可用于食品、药品和化妆品的包装UV体系。 No migration, low odor and easy to dissolve, apply to UV curing formulation of food, medicine and cosmetics packing.

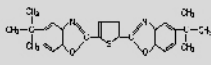
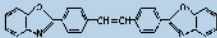
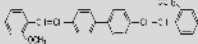
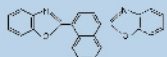
Inhibitor 阻聚剂

产品名称 Product name	化学名称 Chemical name	CAS号 CAS No.	熔点 Melting point	外观 Appearance	结构式 Structural formula	应用 Application
IN-510	三(N-亚硝基-N-苯基羟胺)铝盐 Tris (N-nitroso-N-phenylhydroxyl- amine) aluminum salt	15305-07-4	160-172°C	类白色至浅黄色粉末 Off-white to pale yellow powder		用来延长烯烃树脂的贮存时间，起光阻聚作用。 510 apply to UV ink and coating, to increase the shelf time of olefinic resins.
IN-MEHQ	对羟基苯甲醚 p-hydroxyanisole	150-76-5	55-57°C	白色片状晶体 White crystalline solid		用于UV单体、树脂、等烯基类的阻聚剂。 MEHQ can apply to UV monomer and olefinic resins.

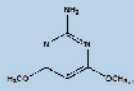
Monomer 单体

产品名称 Product name	化学名称 Chemical name	CAS号 CAS No.	优点 Advantages	粘度 (cps/25°C)	外观 Appearance	应用 Application
TPGDA	三丙二醇二丙烯酸酯 Tripropylene glycol diacrylate	42978-66-5	低挥发、低粘度和高柔韧性 Low volatility, low viscosity and excellent flexibility	10-16	透明液体 Clear liquid	用于涂料，油墨，胶粘剂中。 TPGDA can apply to UV inks, coatings and adhesives.
TMPTA	三羟甲基丙烷三丙烯酸酯 Trimethylolpropane triacrylate	28961-43-5	高反应性、高光泽和硬度 High reactivity, high gloss and hardness	70-110	透明液体 Clear liquid	用于涂料，油墨，胶粘剂，阻焊油墨中。 TMPTA can apply to UV inks, coatings and adhesives.
HDDA	1,6己二醇二丙烯酸酯 1,6-Hexanediol Diacrylate	13048-33-4	优异的稀释性、良好的耐候性和对塑料的良好附着力 Excellent dilution , good weathering resistance and good adhesion to plastic	5-12	透明液体 Clear liquid	用于涂料，油墨，胶粘剂，阻焊油墨中。 HDDA can apply to UV inks, coatings and adhesives.

Fluorescent brightener 荧光增白剂

产品名称 Product name	化学名称 Chemical name	CAS号 CAS No.	熔点 Melting point	外观 Appearance	结构式 Structural formula	应用 Application
OB (C.I.184)	2,5双(5-叔丁基-2-苯并恶唑基)噻吩 2,5-Bis(5-tert-butyl-2-benzoxazolyl)thiophene	7128-64-5	199-201°C	淡黄色或乳白色粉末 Light yellow or milk white powder		用于PE、PP、ABS等塑料、聚酯纤维、涂料和油墨增白。 OB can apply to PE, PP, ABS and other plastics, polyester fiber, paint and ink.
OB-1(C.I.393)	2,2-(4,4'-二苯乙烯基)双苯并恶唑 2,2-(1,2-Ethenediyl-di-4,1-phenylene) bisbenzoxazole	1533-45-5	353-359°C	亮黄绿色结晶粉末 Bright yellow green crystalline powder		用于聚酯纤维、ABS、PP、PS、HIPS等塑料增。 OB-1 can apply to polyester fiber, ABS, PP, PS, HIPS and other plastics.
FP 127 (C.I.378)	4,4'-双(2-二甲氧基苯乙烯基)联苯 4,4-Bis[2-(2-Methoxyphenyl)ethenyl]-1,1'-biphenyl	40470-68-6	216-222°C	亮黄色粉末 Light yellow powder		用于PVC和聚乙烯系列产品增白 FP127 can apply to PVC and polyethylene products.
KCB(C.I.367)	1,4-2(苯并恶唑基)萘 1,4-Bis(Benzoxazolyl-2-YL)Naphthalene	5089-22-5	210-212°C	黄绿色结晶粉末 yellow green crystalline powder		升级换代产品,主要用在EVA中。 KCB is upgraded product. It mainly apply to EVA.

Intermediate 中间体

产品名称 Product name	化学名称 Chemical name	CAS号 CAS No.	熔点 Melting point	外观 Appearance	结构式 Structural formula	应用 Application
NVP	N-乙烯基吡咯烷酮 N-Vinyl-2-pyrrolidone	88-12-0	13.0-14.0°C	澄清溶液 Clear liquid		应用于UV油墨和涂料中。 NVP can apply to UV coating and ink.
ADMP	2-氨基-4,6-二甲氧基嘧啶 2-Amino-4,6-DimethoxyPyrimidine	36315-01-2	94-96°C	白色晶体 White Crystal		主要用于合成磺酰脲类除草剂。 ADMP is an intermediate to synthesize sulfonylureas herbicides

公司简介 COMPANY PROFILE

北京众联达科技有限公司成立于2016年，是集科工贸于一体的外向型高科技企业。公司致力于研发、加工及销售涂料油墨行业用UV引发剂、单体及相关助剂；工业塑料用荧光增白剂；医药中间体等。

公司在黑龙江、甘肃、江苏有自主研发的合资合作工厂。不仅能为国内外客户提供优质价廉的产品，同时也能提供相关技术问题的解决方案。

Beijing Union Technology Co., Ltd.(Unitech) founded in 2016 is a new high-tech enterprise integrating R&D, manufacturing and trading. We provide:

- 1) Photoinitiator, monomer and additive for UV ink and coating industry.
- 2) Fluorescent brightener for plastic industry .
- 3) Intermediate for pharmaceutical and pesticide industry.
- 4) Others

With independent R&D strength, associated joint ventures factories in Heilongjiang, Gansu and Jiangsu. We can not only provide customers at home and abroad products with excellent quality and better price , but also provide solutions to technical problems for relevant formulas as well.



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