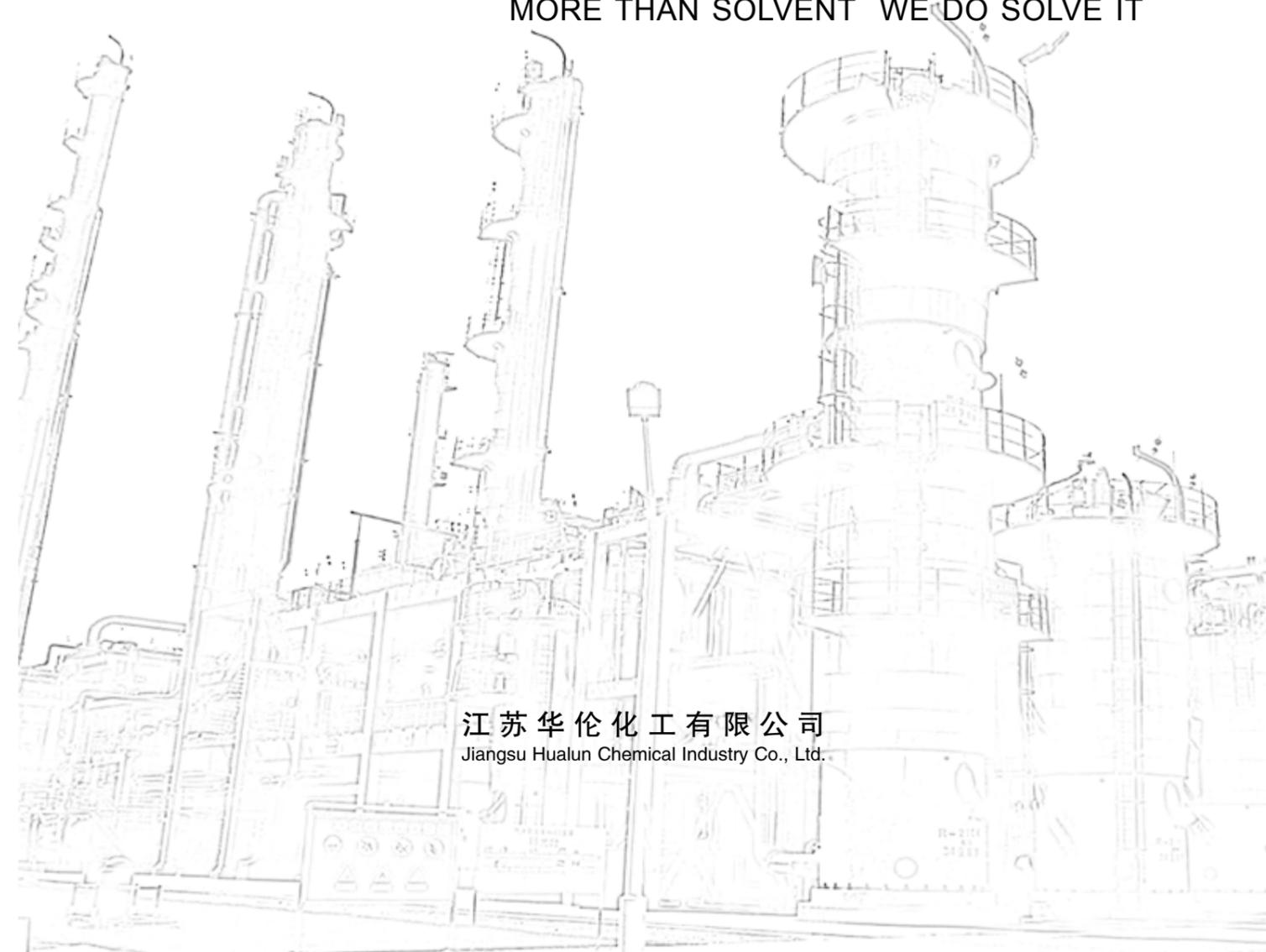




创新溶剂 专业方案

MORE THAN SOLVENT WE DO SOLVE IT



江苏华伦化工有限公司
Jiangsu Hualun Chemical Industry Co., Ltd.

沿江基地 /Riverside Plant

江苏省 扬州市 江都沿江开发区 三江大道 东首
East End, Sanjiang Road, Jiangdu Development Zone along Yangtse River,
Yangzhou City, Jiangsu Province, P. R. China

丁伙基地 /Dinghuo Plant

江苏省 扬州市 江都区 丁伙镇 人民中路 39 号
No. 39, Renming middle Road, Dinghuo Town, Jiangdu District,
Yangzhou City, Jiangsu Province, P. R. China

沿海基地 /Seaside Plant

江苏省如东沿海经济开发区海滨四路北侧
North Side, Binhai 4th Road, Rudong Development Zone along Seaside,
Nantong City, Jiangsu Province, P. R. China





时刻保持巅峰状态
凡事以第一名为目标

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企业使命

HUALUN MISSION

致力健康、环保型溶剂及树脂的生产与开发
Committed to the production
and development of healthy
and eco-friendly solvents and resins

企业愿景

HUALUN VISION

以人为本、技术创新、绩效管理、持续发展
People-oriented, Innovation,
Efficiency, Sustainable



Enterprise profile

企业简介

江苏华伦成立于1992年，地处江苏省扬州市。在江苏省内现有3处生产基地：扬州市江都区的丁伙基地、沿江基地以及南通市如东县的沿海基地。

公司主要从事溶剂产品的生产及销售，同时也为涂料客户配套生产涂料用树脂，及为电子和其他行业客户配套生产精细化学品。

江苏华伦现有4家子公司。江苏华伦化工有限公司，主要生产高沸点芳烃溶剂、偏三甲苯、均四甲苯、丙二醇醚及酯系列溶剂及其他精细化工产品；华伦纳路新材料有限公司由华伦化工与韩国NOROO集团于2012年共同投资成立，于沿江基地生产聚酯树脂、丙烯酸树脂、醇酸树脂等；江苏华伦爱思开精细化工有限公司，主要生产均苯四甲酸二酐(PMDA)、均苯四甲酸(PMA)等精细化工产品，为聚酰亚胺行业及电子行业提供生产柔性电路板和高性能工程塑料产品的基础原料。江苏华伦星河化工销售有限公司主要销售华伦各子公司生产的产品及其他贸易产品。

江苏华伦旗下高沸点芳烃溶剂、偏三甲苯、均四甲苯、丙二醇醚系列溶剂、精细化工产品及涂料树脂产品广泛应用于高档汽车涂料、船舶集装箱涂料、家具装修涂料、卷钢和罐头涂料、防火涂料、油墨、农药、双氧水、PS版、印染及电子行业等。

公司现已成为全国最大的高沸点芳烃溶剂及醇醚酯溶剂生产基地之一，先后通过ISO9001质量管理，ISO14001环境管理，OHSMS18001职业健康与安全管理三大体系认证，部分产品拥有欧盟REACH认证。

Enterprise profile

Jiangsu Hualun was established in 1992, located in Yangzhou City, Jiangsu Province. Currently Hualun Chemical has 3 production plants: Dinghuo and riverside Plant in Yangzhou City, Seaside Plant in Nantong City.

Company mainly manufactures and distributes solvents which are used for oil and water based coatings, resins, other fine and specialty chemicals.

Jiangsu Hualun now has 4 subsidiary companies. Jiangsu Hualun Chemical Industry Co., Ltd. is focused on the high boiling aromatic solvents, trimethylbenzene, 1,2,4,5-tetramethyl benzene(durene), methyl naphthalene, naphthalene etc. The company has 6 production devices in Dinghuo and riverside plants; Hualun Chemical also sets up 2 international joint ventures. NOROO-HUALUN Advanced Material Co., Ltd. was set up by NOROO Korea and Hualun Chemical in riverside plant, earlier in 2012. NOROO-HUALUN produces saturated polyester resins, alkyd resins and acrylic resins. The Jiangsu SK-Hualun Specialty Chemical Co., Ltd. is in the seaside plant in Nantong. The SK-Hualun produces the PMDA and other specialty chemicals, which can be used in polyimide, electronic and many other industries. Jiangsu Hualun Galaxy Chemical Commercial Holding Co., Ltd. is the company for selling all Hualun's products and other trading products.

Jiangsu Hualun's high boiling aromatic solvents, 1,2,4-trimethylbenzene,durene/1,2,4,5-tetramethyl benzene, propylene and ethylene glycol ethers and acetates, coating resins, and other fine chemicals are widely used in automotive coatings, decoration paints, marine coatings, coil coatings, fire-retardant paints, inks, pesticides, hydrogen peroxides, cleaning agents, dyeing and electronic industries.

Jiangsu Hualun has become one of the largest solvents manufacturing enterprise. The company has been certified by ISO9001 Quality Management Systems, ISO14001 Environment Management Systems ,OHSMS19001 Occupational Health and Safety Management Systems and part of products has the REACH registration.

企业精神 Enterprise Spirit

立志、求实、守信、创新

Determined, Realistic, Trustworthy and Innovative

奋斗目标 Strive to Realize the Goal

追求卓越，志创一流

Pursue Excellence, Create Excellence

服务理念 Service concept

一心一意做溶剂，全心全意为客户

Produce the solvent wholeheartedly, serve the customer with heart and soul

High Boiling Aromatic Solvents

高沸点芳烃溶剂系列

简介

高沸点芳烃溶剂是以重整芳烃为原料，按国际上专用芳烃溶剂标准研制生产的，具有溶解力强、毒性低、气味小、沸点高、挥发慢、不含水和烯烃、不含氯和重金属，化学物理性能稳定，流平性好，溶解性能优良等特点，特别是在蒸发的后阶段能发挥高溶解力，使涂膜的平整度好而无桔皮，光泽好。此外，还可作为精密机械的清洗剂及调配农药乳化剂。

使用介绍

Galasol S-100 系列：用作油漆涂料及树脂溶剂，高级印刷油的配料，双氧水生产萃取剂，农药乳油溶剂等；

Galasol S-150 系列：用作油漆涂料及树脂溶剂，高级印刷油的配料，在农药乳油、防水涂料中可作为溶剂部分替代二甲苯；

Galasol S-180：用作高级烤漆溶剂，农药乳油溶剂；

Galasol S-200：用作高级烤漆溶剂，农药乳油溶剂，聚氨酯防水灌浆材料溶剂，增塑剂；

Galasol S-330：可用于生产导热油、增塑剂等；

注意事项

不可与人体长期接触，在通风良好的环境中使用。

包装及贮运

用槽车、铁桶或 IBC 桶装运，本品属于危险品，按危险品规定贮运。贮运要求请参考具体型号的 MSDS。

High Boiling Aromatic Solvents

Brief introduction

High boiling aromatic solvents is made of aromatics reformed according to the international standard on producing arene solvents featured by strong solvency, low toxicity, little odor, high boiling point, slow volatilizing, no water and olefin, no chlorine and heavy metal, with stable chemical physical capability, good liquidity and excellent solubility, especially in the posterior step of evaporation, as a result of enabling the evenness of painting films better, luster more bright, and no orange-peel phenomenon; and also can be used as cleaning agents for precision machinery or adjuvants for preparing pesticide emulsifying agents.

Usage

Galasol S-100 series: Being used as paints and resin solvents, adjuvants for high-quality printing ink and

extractants for hydrogen peroxide producing, pesticide, EC solvent, etc;

Galasol S-150 series: Being used as paints and resin solvents, ingredients advanced printing oil, it can be used as a partial substitute for xylene;

Galasol S-180: Being used as baking paint solvents, pesticide, EC solvent etc.;

Galasol S-200: Being used as baking paint solvents, pesticide, EC solvent, waterproof polyurethane grouting material solvent, plasticizers.

Galasol S-330: Being used to produce heat transfer oils, plasticizers, etc.

Notice

Not being touched with bodies for a long time, used in airiness place.

Package & Transportation

Packed in tank trucks, iron drums or IBC drums. This product is dangerous and should be stored and transported in accordance with dangerous goods. For storage and transportation requirements, please refer to the MSDS.

产品质量指标

项 目	质 量 指 标							
	Galasol S-100A	Galasol S-100B	Galasol S-150A	Galasol S-150	Galasol S-180A	Galasol S-180B	Galasol S-200	Galasol S-330
CAS 号	64742-95-6				64742-94-5			
外 观	无色透明液体				微黄色液体		微黄	黄色液体
密度 (20°C /4°C) g/cm ³	0.860-0.875	0.865-0.880	0.870-0.885	0.875-0.910	0.910-0.930	0.930-0.980	0.960-1.004	0.985-1.015
馏程 (馏出量大于 98) , °C	152-178	158-188	168-192	178-210	190-240	200-280	215-295	300-350
芳烃含量, % ≥	98	98	98	98	98	98	98	98
闪点, °C ≥	42	45	60	62	80	82	95	140
混合苯胺点, °C ≤	15	15	15	17	17	17	17	18
色 度 ≤	10	10	10	15	20	60	100	/
铜片腐蚀 (100°C ,0.5h)	通过	通过	通过	通过	通过	通过	通过	通过

注：客户如有特殊指标要求，可按需求定制生产。

Specification

Item	Index							
	Galasol S-100A	Galasol S-100B	Galasol S-150A	Galasol S-150	Galasol S-180A	Galasol S-180B	Galasol S-200	Galasol S-330
CAS NO.	64742-95-6				64742-94-5			
Appearance	Bright & Clear				Yellowish liquid		Yellowish	Yellowish Liquid
Density [D ₄ ²⁰]g/cm ³	0.860-0.875	0.865-0.880	0.870-0.885	0.875-0.910	0.910-0.930	0.930-0.980	0.960-1.004	0.985-1.015
Distillation range [Distillation volume 98%]°C	152-178	158-188	168-192	178-210	190-240	200-280	215-295	300-350
Aromatic content% ≥	98	98	98	98	98	98	98	98
Flash point°C ≥	42	45	60	62	80	82	95	140
Mixed aniline point°C ≤	15	15	15	17	17	17	17	18
Colority ≤	10	10	10	15	20	60	100	/
Copper corrosion [100°C ,0.5h]	Approval	Approval	Approval	Approval	Approval	Approval	Approval	Approval

Remark: Any special target, it is according to customized production.

Naphthalene Depleted Low Naphthalene Aromatic Solvent

无萘、低萘芳烃溶剂系列

简介

无萘、低萘芳烃溶剂是以重整碳十芳烃为原料，通过高效精馏，再经冷冻、离心、分离出萘组分而得到。本产品广泛用于各种低萘含量的涂料、银浆、医药等行业，也可用于高级烤漆溶剂、杀虫剂及橡胶树脂溶剂。随着环保要求越来越严格，无萘、低萘芳烃溶剂是目前既环保、溶解力又强的最佳溶剂。配制成的油漆，其漆膜牢固、光洁、平整度好。在油墨生产中，一些配方可改成水溶性，使油墨毒性降低，改善操作环境，提高印刷质量。

Naphthalene Depleted Low Naphthalene Aromatic Solvent

Brief introduction

The products are widely used in a variety of low naphthalene content of paints, aluminum pastes, pharmaceutical and other industries. Also can be used for advanced paint solvents, pesticides and rubber resin emulsion solvent. With increasingly stringent environmental requirements, ND、LN Aromatic are the best environmentally friendly solvent to dissolve the force currently.

产品质量指标 Specification

项 目 Item	质量指标 Index			
	无萘 S-100 S-100ND	低萘 S-150 S-150 LN	无萘 S-150 S-150ND	低萘 S-200 S-200LN
CAS NO.	64742-95-6	64742-94-5	64742-94-5	64742-94-5
外观 Appearance	透明液体、无杂质和无可见水 Bright & Clear			
芳烃含量 (体积分数) /% Aromatic content wt% \geq	98	98	98	98
萘含量 (体积分数) /% Naphtha Content wt% \leq	ND	1	ND	1
馏程 (初馏点 ~ 98%) /°C Distillation Range (IBP ~ 98%) /°C	152 ~ 185	175 ~ 205	175 ~ 205	250 ~ 315
闪点 (闭口) /°C \geq Flash point /°C \geq	42	60	60	120
密度 [20°C] / (g/cm ³) Density [20°C] / (g/cm ³)	0.860 ~ 0.880	0.875 ~ 0.900	0.875 ~ 0.900	0.965 ~ 0.985
色度 (铂 - 钴色号) / 号 \leq Color [Pt-Co] \leq	10	15	15	/
混合苯胺点 /°C \leq Mixed Aniline/°C \leq	15	15	17	18

注意事项 Notice

不可与人体长期接触，在通风良好的环境中使用。

Not being touched with bodies for a long time, used in airiness place

包装及贮运 Package & Transportation

用槽车、铁桶或 IBC 桶装运，本品属于危险品，按危险品规定贮运。贮运要求请参考具体型号的 MSDS。

Packed in tank trucks, iron drums or IBC drums. This product is dangerous and should be stored and transported in accordance with dangerous goods. For storage and transportation requirements, please refer to the MSDS.

1,2,4-Trimethyl Benzene 1,3,5-Trimethyl Benzene

偏三甲苯 / 均三甲苯

简介

偏三甲苯、均三甲苯以 C9 芳烃为原料采用精馏法分离而制得的，偏三甲苯主要用于生产偏苯三酸酐、染料、环氧树脂固化剂、表面活性剂、医药等的原料，还可用于双氧水生产的萃取剂。均三甲苯用作制取均苯三甲酸、抗氧化剂、环氧树脂固化剂、聚酯树脂稳定剂、醇酸树脂增塑剂、2, 4, 6-三甲苯胺原料。

1,2,4-Trimethyl Benzene 1,3,5-Trimethyl Benzene

Brief introduction

1,2,4-trimethylbenzene/1,3,5-trimethylbenzene are prepared by distillation separation and taking C9 aromatic hydrocarbon as raw material.

The former mainly used in the production of 1,2,4-benzenetricarboxylic anhydride, dye, epoxy resin curing agent, surface active agent, pharmaceutical raw material, also can be used as extracting agent in the production of hydrogen peroxide. The later is used as raw material for preparing pyromellitic acid, antioxidant, epoxy resin curing agent, polyester resin stabilizer, alkyd resin plasticizer and 2,4,6-trimethylaniline.

产品质量指标 Specification

项 目 Item	偏三甲苯 1,2,4-Trimethyl Benzene		均三甲苯 1,3,5-Trimethyl Benzene
	一级品 Class A	二级品 Class B	/
外 观 Appearance	无色透明液体 Colorless transparent liquid		无色透明液体 Colorless transparent liquid
CAS NO.	95-63-6		108-67-8
沸程 (馏出物体积不少于 95%) °C Boiling range (distillate volume \geq 95%) °C	161 ~ 168		151-164
密度 (D ₄ ²⁰) g/mL Density [D ₄ ²⁰] g/mL	0.873 ~ 0.879		0.862-0.868
偏三甲苯 % (质量分数) 1,2,4-trimethylbenzene % (The mass fraction)	\geq 99.0	\geq 98.5	\leq 0.8
邻甲乙苯 % (质量分数) O-methylethyl benzene % (The mass fraction)	\leq 0.60		\leq 0.5
均三甲苯 % (质量分数) Mesitylene% (The mass fraction)	\leq 0.50		\geq 98.0
硫含量 ppm Sulfur content ppm	\leq 5.0		\leq 5.0

注意事项 Notice

不可与人体长期接触，在通风良好的环境中使用。

Can not be long-term contact with the human body, used in a well-ventilated environment.

包装及贮运 Package & Transportation

用槽车、铁桶或 IBC 桶装运，本品属于危险品，按危险品规定贮运。贮运要求请参考具体型号的 MSDS。

Packed in tank trucks, iron drums or IBC drums. This product is dangerous and should be stored and transported in accordance with dangerous goods. For storage and transportation requirements, please refer to the MSDS.

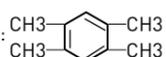
Durene/1,2,4,5-Tetramethyl Benzene

均四甲苯

简介

均四甲苯是以重整碳十芳烃为原料，通过精馏、富集、结晶、分离而制成，可用于生产均苯四甲酸二酐、医药中间体等；向下延伸制成聚酰亚胺树脂、增塑剂、染料、表面活性剂等。

分子式 Molecular formula: C₁₀H₁₄

结构式 Structural formula: 

Durene/1,2,4,5-Tetramethyl Benzene

Brief introduction

Durene is made of reformed C10 aromatics through distilling crystallizing and separating. It is mainly used in producing PMDA. Pharmaceutical intermediates, polyimide resin, plasticizers, dye, surfactant, etc.

产品质量指标 Specification

项 目 Item	质量指标 Specification		
	优级品 Premium grade	一级品 First grade	合格品 Second grade
CAS NO.	95-93-2		
外观 (目测) Appearance	白色晶体 White crystal	白色晶体 White crystal	微黄或白色晶体 Yellowish or white crystal
结晶点℃ ≥ Melt point℃ ≥	77.9	77.5	76.9
纯度 % ≥ Purity% ≥	99	97	95

注意事项 Notice

不可与人体长期接触，在通风良好的环境中使用。

Not being touched with bodies for a long time, used in airiness place.

包装及贮运 Package & Transportation

25kg 塑料编织袋包装或铁桶装，贮运时防水防晒。

Packed in 25kg plastic woven bag or iron drum, note waterproof and sunscreen during storage and transportation.

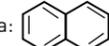
Naphthalene

石油工业萘

简介

石油工业萘是以重整碳十芳烃为原料，通过精馏、富集、结晶、分离而制成，可用作制取苯酚、各种萘酚的原料、减水剂、表面活性剂等。

分子式 Molecular formula: C₁₀H₈

结构式 Structural formula: 

Naphthalene

Brief introduction

Naphthalene is made of reformed C10 aromatics through distilling, crystallizing and separating. Also can be used as phenol, naphthol various starting materials, superplasticizer, Surfactant, etc.

产品质量指标 Specification

项 目 Item	质量指标 Specification		
	优级品 Premium grade	一级品 First grade	合格品 Second grade
CAS NO.	91-20-3		
外观 (目测) Appearance	白色晶体 White crystal	微黄或白色晶体 Yellowish or white crystal	微黄或白色晶体 Yellowish or white crystal
结晶点℃ ≥ Melt point °C ≥	79.5	78.5	77.5
纯度 % ≥ Purity % ≥	97	95	90

注意事项 Notice

不可与人体长期接触，在通风良好的环境中使用。

Not being touched with bodies for a long time, used in airiness place.

包装及贮运 Package & Transportation

25kg 塑料编织袋包装，贮运时防水防晒。

Packed in 25kg plastic woven bag, note waterproof and sunscreen during storage and transportation.

Methylnaphthalene

石油甲基萘

简介

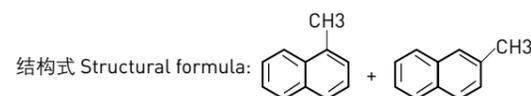
石油甲基萘是以重整碳十芳烃为原料，通过高效精馏分离而制成，为 α 甲基萘与 β 甲基萘的混合物。可用于有机合成、杀虫剂、医药、染料中间体等，也可用作高级烤漆溶剂。

Methylnaphthalene

Brief introduction

Methylnaphthalene is made of reformed C10 aromatics through high efficiency distillation and separation. It is the mixture of α -methylnaphthalene and β -methylnaphthalene. Being used in organic synthesis, pesticide, medicine, intermediate for dye. Also can be used as solvents for high quality baking paint.

分子式 Molecular formula: $C_{10}H_8$



产品质量指标 Specification

项 目 Item	质量指标 Specification		
	优级品 Premium grade	一级品 First grade	合格品 Second grade
CAS NO.	1321-94-4		
外观 (目测) Appearance	浅黄色或微红色 Yellow or reddish	浅黄色 Yellow	浅黄色 Yellow
密度 (D_4^{20}) g/cm ³ Density (D_4^{20}) g/cm ³	0.985 ~ 1.000	0.975 ~ 0.995	0.970 ~ 0.990
馏程 (馏出量 \geq 98%) °C Distillation range	225 ~ 245	220 ~ 255	215 ~ 280
铜片腐蚀 Copper corrosion	无变化 N/A	无变化 N/A	无变化 N/A
闪点 °C \geq Flash point °C \geq	100	100	95
甲基萘总含量, % \geq Methyl naphthalene content % \geq	75	60	50
萘含量 % \leq Naphthalene content % \leq	8	9	19

注意事项 Notice

不可与人体长期接触，在通风良好的环境中使用。

Not being touched with bodies for a long time, used in airiness place.

包装及贮运 Package & Transportation

用槽车、铁桶或 IBC 桶装运，本品属于危险品，按危险品规定贮运。贮运要求请参考具体型号的 MSDS。

Packed in tank trucks, iron drums or IBC drums. This product is dangerous and should be stored and transported in accordance with dangerous goods. For storage and transportation requirements, please refer to the MSDS.

Aromatic plasticizer

芳烃增塑剂

简介

芳烃增塑剂是以重整碳十芳烃为原料，通过高温精馏、分离后而制得。可用作 PVC 塑料制品增塑剂、橡胶软化剂、塑料软管、密封条、塑料鞋、篷布涂塑、浸塑手套、人造革、电缆护套等。

Aromatic plasticizer

Brief introduction

Aromatic plasticizer is made from heavy aromatic C10 reformed. It can be use in PVC plastic plasticizer, rubber softener, plastic hose, seal, plastic shoes, plastic sheeting, dip gloves, leatherette, cable sheath, etc.

产品质量指标 Specification

项 目 Item	质量指标 Specification		
	HL-A	HL-B	HL-C
外观 (目测) Appearance	褐色或黑色液体 Brown or black liquid		
密度 (20°C) g/cm ³ \geq Density (20°C) g/cm ³ \geq	0.990	1.005	1.08
馏程 (初馏点) °C \geq Distillation range (IBP) °C \geq	220	260	305
芳烃含量 % \geq Aromatic content % \geq	98	95	90
闪点 °C \geq Flash point °C \geq	100	120	140

注意事项 Notice

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Not being touched with bodies for a long time, used in airiness place.

包装及贮运 Package & Transportation

用槽车或干净铁桶装运。

Packed in tank or iron drum.

Propylene Glycol Ethers Series

丙二醇醚溶剂

简介

丙二醇醚由于其在化学结构上有两个具有强溶解力的基团——醚键和羟基。前者具有亲油性，可溶解憎水性化合物；后者有亲水性，可溶解水溶性化合物，是性能优良的通用性溶剂，有“万能”溶剂之称。

丙二醇醚主要用途是作工业溶剂，在涂料、清洗剂、PS版清洗、电子化学品、油墨、皮革等方面有广泛用途。在涂料工业中，可用于醇酸树脂、丙烯酸树脂、环氧树脂、聚酯漆等的溶剂，配制成的油漆，其漆膜光洁、平整、牢固好。在油墨生产中，一些配方可改成水溶性，使油墨毒性降低，改善操作环境，提高印刷质量。

产品质量指标 Specification

项目 Item	丙二醇甲醚 Propylene glycol methyl ether	丙二醇乙醚 Propylene glycol ethyl ether	丙二醇丁醚 Propylene glycol butyl ether	二丙二醇甲醚 Dipropylene glycol methyl ether	二丙二醇乙醚 Dipropylene glycol ethyl ether	二丙二醇丁醚 Dipropylene glycol butyl ether
CAS NO.	107-98-2	1569-02-4	5131-66-8	34590-94-8	15764-24-6	29911-28-2
外观 (目测) Appearance	无色透明 Bright & Clear	无色透明 Bright & Clear	无色透明 Bright & Clear	无色透明 Bright & Clear	无色透明 Bright & Clear	无色透明 Bright & Clear
纯度 % ≥ Purity% (WT) ≥	99.5	99.0	99.0	99.0	99.0	95.0
沸程 (馏出物体积 95%) °C Distillation range [Distillation volume ≥ 95%]	117 ~ 125	125 ~ 137	162 ~ 175	165 ~ 205	180 ~ 215	220 ~ 235
密度 (D ₄ ²⁰) g/mL Density(D ₄ ²⁰)g/mL	0.918 ~ 0.924	0.890 ~ 0.905	0.875 ~ 0.895	0.940 ~ 0.965	0.945~0.955	0.905 ~ 0.925
酸度 (以醋酸计) % ≤ Acidity (acetic acid)% ≤	0.01	0.01	0.01	0.03	0.03	0.03
水分 % ≤ Water content % ≤	0.1	0.1	0.1	0.1	0.1	0.1
色度 (Pt-Co 色号) Hazen ≤ Colority(Pt-Co)Hazen ≤	10	10	10	15	15	15

注意事项 Notice

不可与人体长期接触，在通风良好的环境中使用。

Not being touched with bodies for a long time, used in airiness place.

包装及贮运 Package & Transportation

用不锈钢槽车、烤漆桶或 IBC 桶装运，本品属于危险品，按危险品规定贮运。

Packed by Iso Tank, coating drums or IBC drums, these products are DG cargo, should be stocked as DG cargo.

Propylene Glycol Ethers Series

Brief introduction

Propylene glycol ethers have two groups with strong solvency in the chemical structure - ethers and hydroxyl groups, The former is lipophilic and can dissolve hydrophobic compounds; the latter is hydrophilic, soluble in water-soluble compounds, and is a versatile solvent with excellent performance, and is known as a "universal" solvent.

Propylene glycol ethers can be used as solvents for alkyd resin, acrylic resin and polyester paint etc. In painting industry, surface films of those paints prepared for the aid of it being characterized by clean, even and fast. It can substitute for alcohol solvents during the resolution of dyes as a good kind of coupler, besides in the production of printing ink, changing some formulas by using in can reduce toxicity, so as to improve operation environment and printing quality.

Propylene Glycol Methyl Ether Acetate & Propionate

丙二醇甲醚醋酸酯 & 丙酸酯

简介

丙二醇甲醚醋酸酯 (PMA) & 丙酸酯 (PMP) 是一种低毒高级溶剂，其分子中既有醚键，又有羰基，羰基又形成了酯的结构，同时又含有烷基。在同一分子中既有非极性部分，又有极性部分，这两部分的官能团既相互制约排斥，又各自起到其固有的作用。因此，对非极性物质和极性物质都有一定溶解力。广泛用于高档涂料、树脂、油墨印刷、电子化学品等。

Propylene Glycol Methyl Ether Acetate & Propionate

Brief introduction

Propylene glycol methyl ether acetate(PMA) and Propylene glycol methyl ether propionate(PMP) are low toxicity high-grade solvents in industry in whose molecules which have ether bond, carbonyl group which can be formed a structure of ester, as well as alkyl. In such a molecule, there is a polar part and a non-polar which the two functional groups restrain and repel one another while they individually perform their natural functions, thus having a certain dissolution with either a polar substance or a non-polar substance.

产品质量指标 Specification

项目 Item	丙二醇甲醚醋酸酯 (单峰) Propylene glycol methyl ether acetate (PMA)	丙二醇甲醚醋酸酯 (异构体) 2-methoxy-1- propanol acetate (ISO-PMA)	丙二醇甲醚丙酸酯 Propylene glycol methyl ether propionate (PMP)	二丙二醇甲醚醋酸酯 Dipropylene glycol methyl ether acetate (DPMA)
CAS NO.	108-65-6	70657-70-4	148462-57-1	88917-22-0
外观 (目测) Appearance	无色透明	无色透明	无色透明	无色透明
含量 % ≥ Content% ≥	99.5	99.5	99.5	99.0
沸程 (馏出物体积 95%) °C Distillation range °C	143 ~ 149	140 ~ 150	158 ~ 168	200 ~ 217
密度 (D ₄ 20) g/mL Density(D ₄ 20) g/mL	0.965 ~ 0.975	0.965 ~ 0.975	0.935 ~ 0.965	0.979 ~ 0.989
酸度 (以醋酸计) % ≤ Acidity (acetic acid) % ≤	0.02	0.02	0.02	0.03
水分 % ≤ Water content% (WT) ≤	0.05	0.1	0.05	0.05
色度 (以铂 - 钴色号) ≤ Colority (Pt-Co) ≤	10	15	10	15

注意事项 Notice

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Not being touched with bodies for a long time, used in airiness place.

包装及贮运 Package & Transportation

用不锈钢槽车、烤漆桶或 IBC 桶装运，本品属于危险品，按危险品规定贮运。

Packed by Iso Tank, coating drums or IBC drums, these products are DG cargo, should be stocked as DG cargo.

Ethylene Glycol Ethers Series

乙二醇醚溶剂

简介

乙二醇甲醚 (EM) 又称甲基溶纤剂, 乙二醇乙醚 (EE、ECS) 又称乙基溶纤剂、2-乙氧基乙醇, 乙二醇丁醚 (EB、BCS) 又称丁基溶纤剂、2-丁氧基乙醇, 是性能优良的醇醚溶剂。

主要用于硝基纤维素、醋酸纤维素、合成树脂、油漆溶剂, 涂料工业用于配制油漆稀释剂、脱漆剂及制造喷漆的原料, 制药工业用作药物萃取剂、塑料工业用于树脂增塑剂、纺织工业用作纤维润滑剂、化纤油剂的分散剂, 还可用作汽车制动液、农药分散剂、干洗溶剂、切削油溶剂以及有机合成中间体、矿物乳油的辅助溶剂、分析试剂等。

产品质量指标

项目	乙二醇甲醚	乙二醇乙醚	乙二醇丁醚	二乙二醇乙醚	二乙二醇丁醚
CAS 号	109-86-4	110-80-5	111-76-2	111-90-0	112-34-5
外观 (目测)	无色透明	无色透明	无色透明	无色透明	无色透明
纯度 % \geq	99.0	99.0	99.0	95.0	99.0
沸程 (馏出物体积 95%) $^{\circ}\text{C}$	120 ~ 128	130 ~ 137	165 ~ 175	185 ~ 205	227 ~ 235
密度 (D_4^{20}) g/mL	0.9640 ~ 0.9740	0.925 ~ 0.935	0.895 ~ 0.905	0.984 ~ 0.994	0.950 ~ 0.959
酸度 (以醋酸计) % \leq	0.02	0.02	0.02	0.02	0.01
水分 % \leq	0.1	0.1	0.1	0.1	0.1
折光率 (N_D^{20})	1.4000 ~ 1.4040	1.4040 ~ 1.4080	1.4160 ~ 1.4200	1.4200 ~ 1.4350	1.4250 ~ 1.4400

注意事项

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包装及贮运

用不锈钢槽车、烤漆桶或 IBC 桶装运, 本品属于危险品, 按危险品规定贮运。

Ethylene Glycol Ethers Series

Brief introduction

Ethylene glycol methyl ether (EM) is also named methyl cellosolve, Ethylene glycol ethyl ether (EE, ECS) is also named ethyl cellosolve, 2-ethoxy ethanol. Ethylene glycol butyl ether (EB, Bcs) is also named butyl cellosolve, 2-butoxy ethanol, are alcohol ether solvent with excellent properties.

It can be mainly used in solvent for cellulose acetate, synthetic resin, paint; used for preparing paint thinners, paint remove in the industry of paint; used as extraction solvent in the industries of medicine; used as plasticizer in the plastic industries; used as fiber lubricant, dispersant in the industry of textile; also used as pesticide dispersant, intermediate for organic synthesis, secondary solvent, analytical reagent.

Specification

Item	Ethylene glycol methyl ether	Ethylene glycol ethyl ether	Ethylene glycol butyl ether	Diethylene glycol ethyl ether	Diethylene glycol butyl ether
CAS NO.	109-86-4	110-80-5	111-76-2	111-90-0	112-34-5
Appearance	Bright & Clear	Bright & Clear	Bright & Clear	Bright & Clear	Bright & Clear
Purity% \geq	99.0	99.0	99.0	99.0	99.0
Distillation range (Distillation volume 95%) $^{\circ}\text{C}$	120 ~ 128	130 ~ 137	165 ~ 175	185 ~ 205	227 ~ 235
Density (D_4^{20}) g/mL	0.9640 ~ 0.9740	0.925 ~ 0.935	0.895 ~ 0.905	0.984 ~ 0.994	0.950 ~ 0.959
Acidity [acetic acid] % \leq	0.02	0.02	0.02	0.02	0.01
Water content % \leq	0.1	0.1	0.1	0.1	0.1
Refractive index (N_D^{20})	1.4000 ~ 1.4040	1.4040 ~ 1.4080	1.4160 ~ 1.4200	1.4200 ~ 1.4350	1.4250 ~ 1.4400

Notice

Not being touched with bodies for a long time, used in airiness place.

Package & Transportation

Packed by Iso Tank, coating drums or IBC drums, these products are DG cargo, should be stocked as DG cargo.

Ethylene Glycol Ethers Acetates

乙二醇醚醋酸酯

简介

乙二醇乙醚醋酸酯 (CAC)、乙二醇丁醚醋酸酯 (BGA) 是性能优良的酯类溶剂。主要用于金属、家具喷漆的溶剂，还可用作保护性涂料、染料、树脂、皮革、油墨的溶剂，也可用作金属、玻璃等表面清洗剂的配方中，另可用作化学试剂。

Ethylene Glycol Ethers Acetates

Brief introduction

Ethylene glycol ethyl ether acetate (CAC) and Ethylene glycol butyl ether acetate (BGA) are ester solvents with excellent properties. Mainly used in solvent for painting metal, furniture paints; also used as solvent of protective coating, dyestuff, colophony, leather, printing ink; used in prescription of surface cleaning agent for metal, glass; also used as chemical reagent.

产品质量指标 Specification

项目 Item	乙二醇乙醚醋酸酯 Ethylene glycol ethyl ether acetate	乙二醇丁醚醋酸酯 Ethylene glycol butyl ether acetate
CAS NO.	111-15-9	112-07-2
外观 (目测) Appearance	无色透明 Bright & Clear	无色透明 Bright & Clear
纯度 % Purity %	≥ 99.0	≥ 99.0
沸程 (馏出物体积 95%) , °C Distillation range (Distillation volume 95%) °C	150 ~ 160	188 ~ 198
密度 (D ₄ ²⁰) , g/mL Density (D ₄ ²⁰) , g/mL	0.965 ~ 0.975	0.935 ~ 0.942
酸度 (以醋酸计) , % ≤ Acidity (acetic acid) , % ≤	0.02	0.02
水分 , % ≤ Water content % ≤	0.1	0.1

注意事项 Notice

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包装及贮运 Package & Transportation

用不锈钢槽车、烤漆桶或 IBC 桶装运，本品属于危险品，按危险品规定贮运。

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High Boiling Dibasic Acid Esters Solvent DBE

二元酸酯高沸点溶剂 DBE

简介

DBE 是精制的丁二酸、戊二酸和己二酸的二甲酯混合物 (乙二酸二甲酯、戊二酸二甲酯、丁二酸二甲酯)，其显著特点是气味轻微和蒸汽压低。DBE 沸点高、溶解力强，在整个涂层干燥过程中的挥发速率很均匀，这一特性有利于涂层获得较好的流平性和光泽，消除发雾、针孔、缩孔等表面缺陷。

High Boiling Dibasic Acid Esters Solvent DBE

Brief introduction

DBE is the dimethyl ester mixture (dimethyl adipate, dimethyl glutarate, dimethyl succinate) of refined succinic acid, pentane diacid, adipic acid, its prominent characteristics are light odor and low steam pressure. DBE has high boiling point, strong dissolving capacity.

产品质量指标 Specification

项目 Item	质量指标 Specification
CAS NO.	95481-62-2
酯含量 % (WT) Ester Content% (WT)	≥ 99
沸程 (馏出物体积 95%) °C Distillation range (Distillation volume 95%) °C	190 ~ 230
密度 (D ₄ ²⁰) g/mL Density (D ₄ ²⁰) g/mL	1.085 ~ 1.095
酸值 (mg KOH/g) Acid Value (mg KOH/g)	≤ 0.3
甲醇 % (WT) Methyl Hydrate% (WT)	≤ 0.2
水分 % (WT) Water content% (WT)	≤ 0.3

注意事项 Notice

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Not being touched with bodies for a long time, used in airiness place.

包装及贮运 Package & Transportation

全新铁桶装，贮运时防水防晒。

It is packed in sealed plastic woven bag, iron coated drum or isotank.

Pyromellitic Dianhydride(PMDA) Pyromellitic acid(PMA)

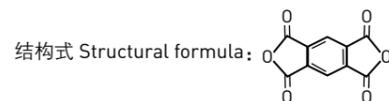
均苯四甲酸二酐 均苯四甲酸

简介

均苯四甲酸二酐，简称均酐，纯品为白色或微黄色结晶。暴露于潮湿空气中会很快吸收空气中的水分而水解成均苯四甲酸。溶于二甲基亚砜、二甲基甲酰胺、丙酮等有机溶剂，不溶于乙醚、氯仿和苯。主要用作聚酰亚胺的原料，用于制造环氧树脂的固化消光剂及聚脂树脂的交联剂。

均苯四甲酸，又称 1,2,4,5- 苯四甲酸，白色至微黄色粉末状结晶，主要用于合成聚酰亚胺、均苯四酸辛酯等，是生产消光固化剂的主要原料。

PMDA 分子式 Molecular formula: C₁₀H₂O₆



产品质量指标 Specification

项目 Item	均苯四甲酸二酐 PMDA	均苯四甲酸 PMA
纯度 wt% ≥ Purity wt% ≥	99.5	99.0
丙酮残留 PPM ≤ Residual Acetone PPM ≤	1500	/
熔点 °C Melting Point °C	284~288	/
颜色 Colour	白色至淡黄色 White to yellowish	白色 White
自由酸 wt% ≤ Free Acid wt% ≤	0.5	/
粒度 Particle Size	根据客户要求 On customer demand	根据客户要求 On customer demand

注意事项 Notice

不可与人体长期接触，在通风良好的环境中使用。
Not being touched with bodies for a long time, used in airiness place.

包装及贮运 Package & Transportation

用铝箔袋或 135 公斤铝箔纸桶装运，或根据客户要求。
packed with aluminum foil bag or 135kg aluminum foil paper drum or on customer demand.

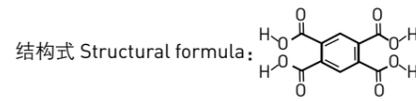
Pyromellitic Dianhydride(PMDA) Pyromellitic acid(PMA)

Brief introduction

Pyromellitic dianhydride (PMDA), pure products are white or slightly yellow crystals. Exposed to moist air will quickly absorb moisture from the air and hydrolyzed into Pyromellitic Acid. Dissolved in dimethyl sulfoxide, dimethylformamide, acetone and other organic solvents, insoluble in ether, chloroform and benzene. Mainly used as raw material for polyimide, and crosslinking agent for the manufacture of epoxy curing agent and the polyester resin extinction.

Pyromellitic acid(PMA), also known as 1,2,4,5-benzenetetracarboxylic acid, white to yellowish powdery crystal, is mainly used in the synthesis of polyimide, octyl pyromelliate, etc., is the main raw material for the production of matting curing agent.

PMA 分子式 Molecular formula: C₁₀H₆O₈



工厂概况 Factory general

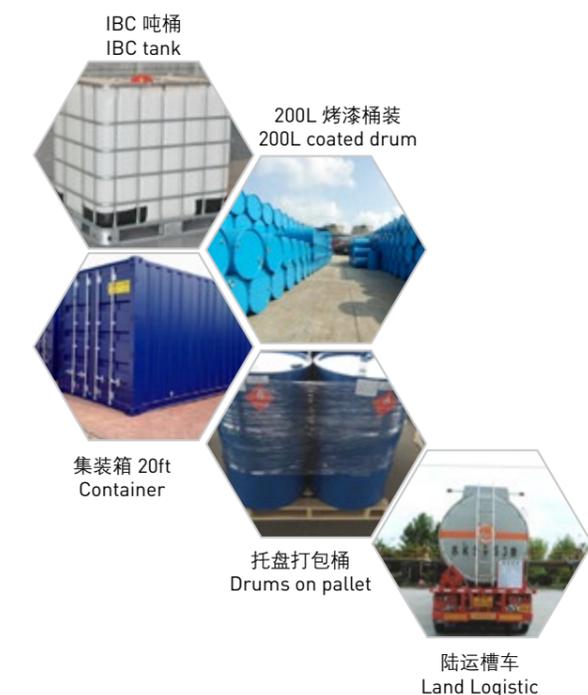
生产流程 Production Process



办公楼 Office



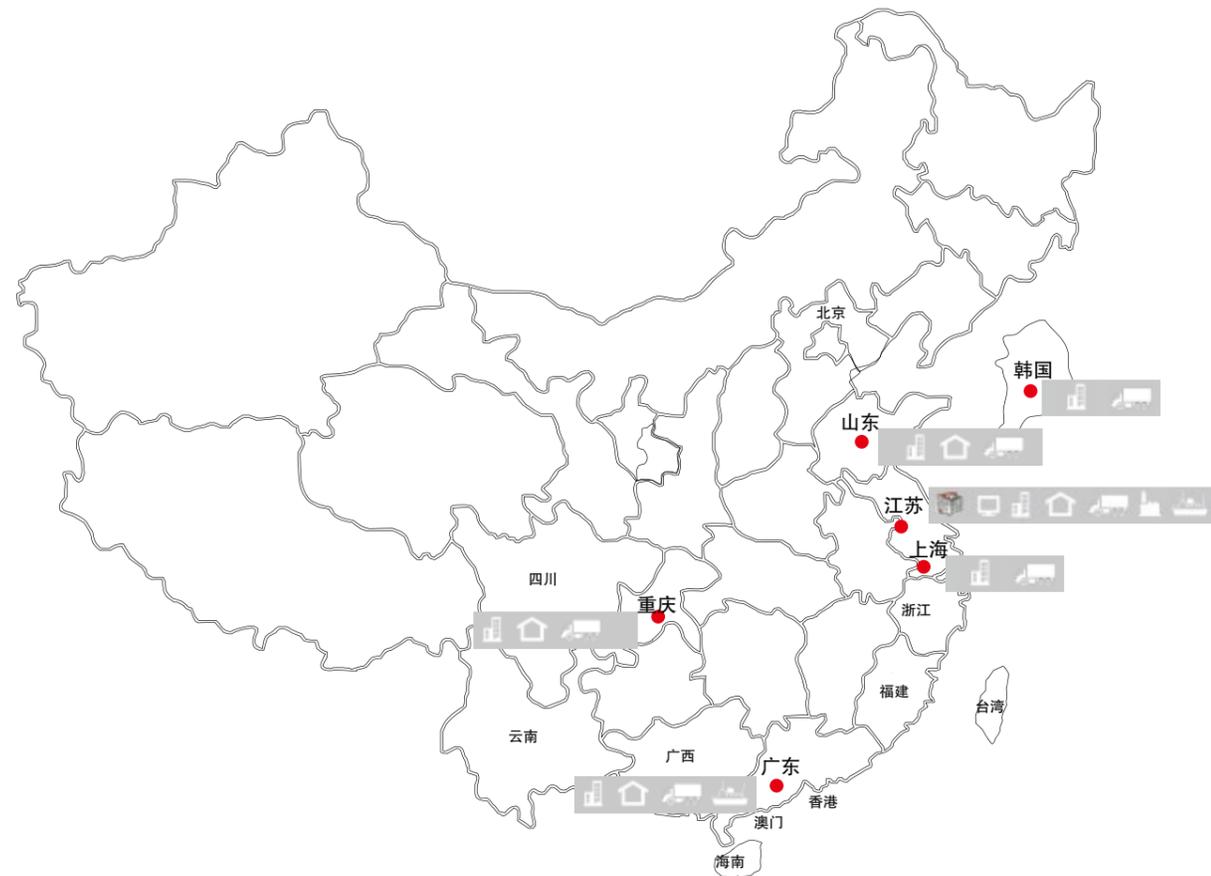
运输方式 Mode of transport



行业应用 Industry application



销售网络 Distribution network



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MISSION
使命

POSITIONING
定位

RESPONSIBILITY
责任