



ROCO -TECH CORP.(HONGKONG)CO.,LIMITED.





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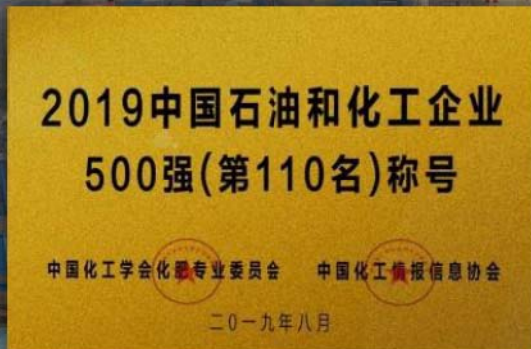
年生产能力

Annual Production capacity

100	万吨	尿素	1,000,000	tonnes	urea
150	万吨	复合肥	1,500,000	tonnes	compound fertilizer
30	万吨	碳酸氢铵	300,000	tonnes	ammonium bicarbonate
10	万吨	硫酸钾	100,000	tonnes	potassium sulfate
80	万吨	氨醇	800,000	tonnes	ammonia and methanol
8	万吨	硝酸钠和亚硝酸钠	80,000	tonnes	sodium nitrate and sodium nitrite
5	万吨	三聚氰胺	50,000	tonnes	melamine
25	万吨	双氧水	250,000	tonnes	hydrogen peroxide
15	万吨	精甲醇	150,000	tonnes	refined methanol
10	万吨	二甲醚	100,000	tonnes	dimethyl ether
5	万吨	甲醛	50,000	tonnes	formaldehyde
20	万吨	硫酸	200,000	tonnes	sulfuric acid
12	万吨	盐酸	120,000	tonnes	hydrochloric acid
6	万吨	氯磺酸	60,000	tonnes	chlorosulfonic acid



**China top 100
phosphate compound fertilizer enterprises**



China top 500 chemical companies



China top 100 fertilizer enterprises

公司荣誉

Company Honors

- 湖北省著名商标
Famous Trademark of Hubei Province
- 国家高新技术企业
National High-tech enterprise
- 三峡大学产学研基地
Industry-University-Research Base of Three Gorges University
- 湖北省认定企业技术中心
Hubei Province Recognized Enterprise Technology Center
- 80余项具有自主知识产权的实用新型专利和发明专利
80 utility model patents and inventions with independent IP rights

宜昌市重点产业

创新团队

中共宜昌市委组织部
二〇一〇年元月

华强化工职工创新工作室

宜昌市总工会
二〇一五年二月



公司团队 Company Team



高效的企业高管会议

Efficient corporate executive meeting



激情专业的营销团队

Passionate professional
sales & marketing team



完善的后勤服务团队

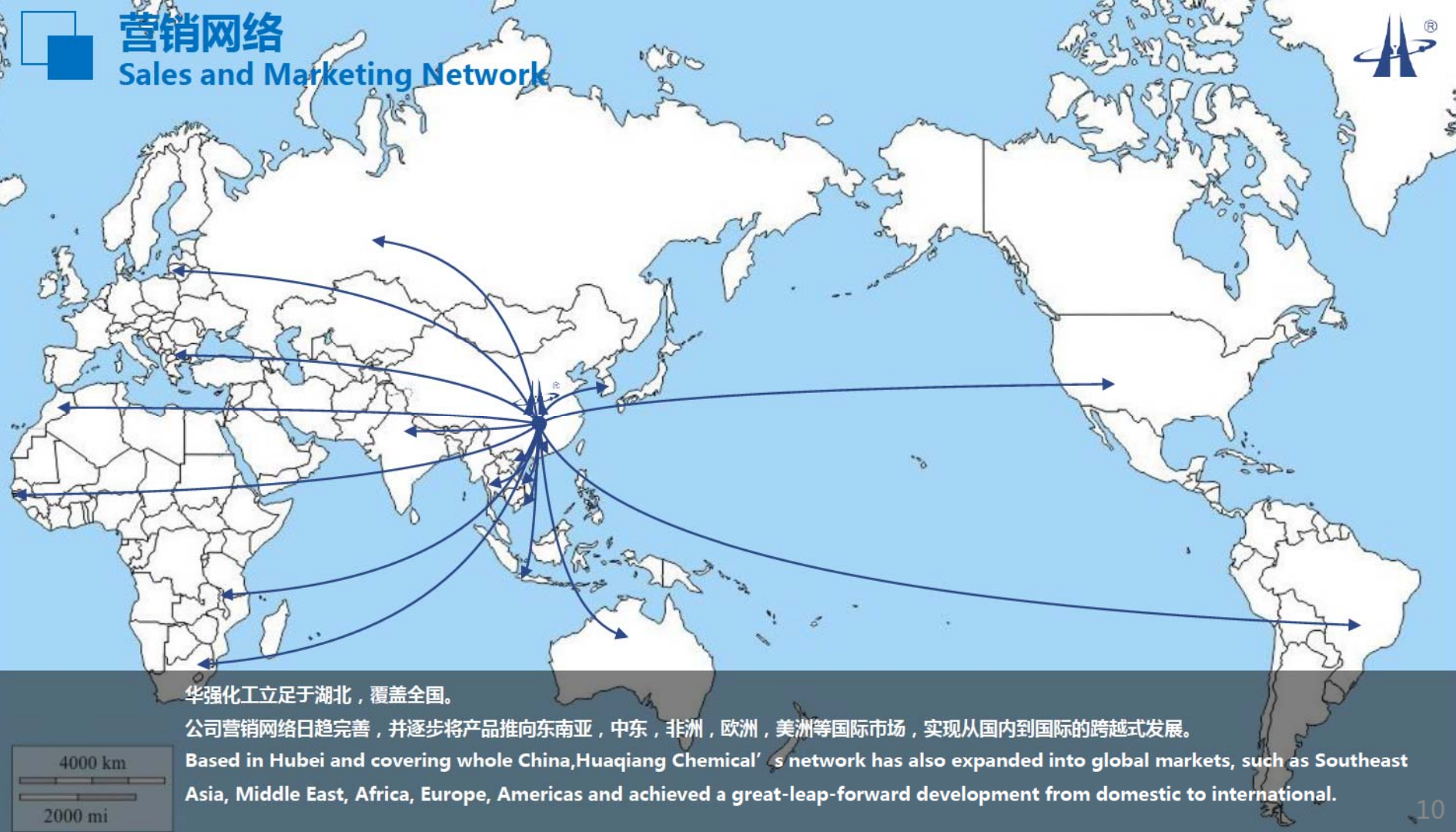
Seasoned professional
support service team





营销网络

Sales and Marketing Network



华强化工立足于湖北，覆盖全国。

公司营销网络日趋完善，并逐步将产品推向东南亚，中东，非洲，欧洲，美洲等国际市场，实现从国内到国际的跨越式发展。

Based in Hubei and covering whole China, Huaqiang Chemical's network has also expanded into global markets, such as Southeast Asia, Middle East, Africa, Europe, Americas and achieved a great-leap-forward development from domestic to international.



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源头品控

Quality control starting at source

华强化工将自产的尿素、碳酸氢铵、钾肥、过磷酸钙等产品直接作为原料，用于化工和复合肥的生产。

Huaqiang Chemical uses its self-produced urea, ammonium bicarbonate, potash and superphosphate as raw materials for compound fertilizer production.

部分外购原料，公司精心挑选质量优、信誉度高的厂家长期供货，严格验收，从源头控制品质。

For part of outsourced raw materials, high quality, high reputation manufacturers are carefully selected for long-term supplying to guarantee strict acceptance and control quality from the source.





顶尖工艺

Advanced technology



氨化造粒
双高塔尿浆造粒
喷浆造粒
等生产工艺

Ammoniation granulation
Twin high tower urea granulation
Spray granulation
production technology

行业领先
DCS自动化控制技术
模块化的配方投料管理
确保每粒肥料养分均衡
颗粒圆满，质量稳定

Industry-leading
DCS automation control
technology,
Modular formula feeding
management, ensuring
balanced nutrient for each
fertilizer, perfection of
particles, stable quality

128米双高塔

亚洲化工行业**第一高塔**

生产**65吨**复合肥/小时，
华强化工实力和技术的象征

- 抗压强度高，水溶快
- 养分均匀
- 中微量元素有效化
- 肥料利用率提高
- 适合再包膜，降低生产成本
- 有小孔防假冒
- 产品质量稳定

128-meter twin high tower
highest tower in Asian chemical industry

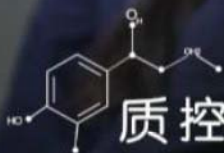
65 tons compound fertilizer/hour
a high standing icon of Huaqiang's technology strength.

- High crushing strength and fast water solubility
- Even nutrients
- Effective secondary and trace elements
- Improved fertilizer utilization rate
- Suitable for re-coating, reducing production cost
- Center small holes to prevent counterfeiting
- Stable and consistent quality



品质保证

Quality Assurance



质控中心



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肥料

Fertilizer

- 从单质肥到复合肥
- 从无机肥到有机肥
- 从粉状、颗粒、到全水溶
- 从速效、缓控释到稳定长效

不断完善化肥品种，科学配方
开发出适合各种土壤及农作物的产品

- Single and compound
- Inorganic and organic
- Powder, granule and full water soluble
- Quick-release, controlled-release, stable long-acting

Constantly improves its variety of fertilizers, scientific formula and develops various products to suit different soil characteristics and crops.





1双高塔复合肥

Twin high tower compound fertilizer

特色产品

Featured products



- ◆ 水分更低 Lower moisture
- ◆ 溶解性更好 Better solubility
- ◆ 抗压度更高 Higher crushing strength
- ◆ 肥效期更长 Longer fertilization period

S/N	Formula	配方	Total content	总含量
1	20-5-10	低氯	low chloride	35%
2	21-7-18	中氯	medium chloride	46%
3	24-6-10	低氯	low chloride	40%
4	24-6-16	低氯	low chloride	46%
5	25-10-5	低氯	low chloride	40%
6	25-10-16	低氯	low chloride	51%
7	25-10-18	低氯	low chloride	53%
8	25-13-7	低氯	low chloride	45%
9	25-14-6	低氯	low chloride	45%
10	25-17-9	长效	long-acting	51%
11	27-14-9	长效	long-acting	50%
12	28-6-6	长效控释	long-acting controlled-release	40%





1双高塔复合肥

Twin high tower compound fertilizer

特色产品

Featured products



S/N	Formula	配方	Total content 总含量	Production Process 工艺
1	15-5-20	硝硫基	nitro-sulfur-based	40%
2	15-15-15	硝硫基	nitro-sulfur-based	45%
3	16-5-30s	含硝态氮	nitric nitrogen	51%
4	17-5-26	全水溶	fully water soluble	48%
5	17-6-23	硝硫基	nitro-sulfur-based	46%
6	17-17-17	硝硫基	nitro-sulfur-based	51%
7	17-17-17	全水溶	fully water soluble	51%
8	18-12-18	含硝态氮	nitric nitrogen	48%
9	19-5-21	含硝态氮	nitric nitrogen	45%
10	21-6-13	含硝态氮	nitric nitrogen	40%
11	22-6-18	含硝态氮	nitric nitrogen	46%
12	22-6-18S	含硝态氮	nitric nitrogen	46%
13	26-5-7S	含硝态氮	nitric nitrogen	38%
14	17-5-29	含硝态氮	nitric nitrogen	51%
15	20-5-20	含硝态氮	nitric nitrogen	45%
16	25-10-18	含硝态氮	nitric nitrogen	53%
17	30-5-5	含硝态氮	nitric nitrogen	40%
18	32-0-4	含硝态氮	nitric nitrogen	36%

Nitro-sulfur-based

硝硫基

Nitro-chloro-based

硝氯基





2氨基酸复合肥

Amino acid compound fertilizer

- 颗粒圆润光滑、强度高、不易结块
- 适应性广，对土壤副作用小
- Product particles, round and smooth, high strength, not easy to caking
- Wide adaptability, mild side effects on the soil

S/N	Formula	配方	Total content 总含量
1	15-6-9	高氯	high chloride 30%
2	15-8-25	腐植酸	humic acid 48%
3	15-15-15	高氯	high chloride 45%
4	16-12-20S	腐植酸	humic acid 48%
5	16-16-16	中氯	medium chloride 48%
6	16-16-16	腐植酸	humic acid 48%
7	16-20-5	中氯	medium chloride 41%
8	17-17-17	中氯	medium chloride 51%
9	17-17-17	腐植酸	humic acid 51%
10	18-6-6	高氯	high chloride 30%
11	18-12-10	腐植酸花生	humic acid peanut 40%
12	18-18-18	低氯	low chloride 54%
13	18-18-18	腐植酸	humic acid 54%
14	18-18-18	黄腐酸钾	potassium fulvic acid 54%
15	18-22-5	中氯	medium chloride 45%
16	19-19-19	腐植酸	humic acid 57%
17	20-13-10	腐植酸花生	humic acid peanut 43%
18	20-13-10	腐植酸虾稻	humic acid rice crayfish 43%
19	21-14-7	腐植酸	humic acid 42%
20	22-8-10	高氯	high chloride 40%
21	24-15-8	腐植酸	humic acid 47%
22	28-6-8	腐植酸	humic acid 42%





3专用复合肥

Special compound fertilizer



➤ 不同作物选用不同配方的产品

➤ Different formulas applied to different crops

➤ 花生、茶叶、水稻、大蒜、苹果、桉树、玉米等

➤ Peanuts, tea, rice, garlic, apples, eucalyptus, corn-maize, etc.

S/N	Formula	作物品类	Crop	Total content 总含量
1	13-17-15S	花生	peanut	45%
2	14-16-15S	茶叶	tea	45%
3	14-16-15S	烟叶	tobacco leaf	45%
4	15-6-9	果蔬	fruit and vegetable	30%
5	15-6-9	桉树	eucalyptus	30%
6	15-8-20S	块茎	tuber	43%
7	15-8-20S	果蔬	fruit and vegetable	43%
8	15-14-16S	苹果	apple	45%
9	15-15-15S	烟叶	tobacco leaf	45%
10	15-15-15S	茶叶	tea	45%
11	15-15-15S	柑橘	tangerine	45%
12	15-15-15	水稻加锌	rice plus zinc	45%
13	15-15-15S	大蒜	garlic	45%
14	15-15-15S	青梅李果	green plum fruit	45%
15	18-18-18	莲藕	lotus root	54%
16	21-6-13	茶叶	tea	40%
17	22-8-10	花生硼+钙	peanut boron and calcium	40%
18	22-8-10	桉树	eucalyptus	40%
19	24-6-10	桑树	mulberry	40%
20	25-10-16	莲藕	lotus root	51%
21	25-10-18	水稻加锌	rice plus zinc	53%
22	28-6-6	玉米加锌	corn plus zinc	40%





4硫酸钾型复合肥系列

Potassium sulfate compound fertilizer



- 进口钾肥为原料
- 喷浆造粒，水溶性好，吸收快，肥效长
- 促进农作物健康生长，达到高产丰收
- Imported potash as raw material
- Spray granulation process, good water solubility, fast absorption, long fertilization effect
- Promote crops healthy growth and achieve high yield and good harvest

S/N	Formula	配方	Total content 总含量	Production Process 工艺
1	12-18-15	硫酸钾型	potassium sulfate 45%	Spray Granulation 喷浆造粒
2	13-17-15	硫酸钾型	potassium sulfate 45%	
3	14-16-15	硫酸钾型	potassium sulfate 45%	
4	15-15-15	硫酸钾型	potassium sulfate 45%	
5	15-15-15	硫酸钾型	potassium sulfate 45%	Ammoniation Granulation 氨化造粒
6	17-17-17	硫酸钾型	potassium sulfate 51%	





5氮肥

Nitrogen fertilizer



- 促进作物对氮肥的全面吸收
 - 提高氮肥利用率
 - 富集土壤中氮、磷、钾及微量元素供植物吸收利用
 - 提高作物品质和产量
- Promote crops' comprehensive absorption of nitrogen nutrients
 - Improve the utilization rate of nitrogen fertilizer
 - Enrich the nitrogen, phosphorus, potassium and trace elements in the soil for plant absorption and utilization
 - Improves crop quality and yield

S/N	Formula	配方	Total content 总含量
1	Zinc humic acid urea	锌腐酸尿素	46%
2	Long-acting granular nitrogen fertilizer	长效颗粒氮肥	25%
3	Urea ammonium nitrogen fertilizer	脲铵氮肥	26%
4	Polypeptide urea	多肽尿素	46%
5	Ammonium bicarbonate	碳酸氢铵	17.1%





6复合肥新品

New product

根据市场需求，开发出

- BB肥
- 大量元素水溶肥
- 有机肥
- 生物有机肥
- 复合微生物肥料等新型复合肥

Responding to market demand, Huaqiang Chemical's new products are

- BB fertilizer
- Macronutrients water soluble fertilizer
- Organic fertilizer
- Bio-organic fertilizer
- Compound microbial fertilizer, etc.

S/N	Formula	Total content 总含量	Production Process 工艺
1	17-17-17	51%	BB fertilizer
2	31-10-10	51%	BB肥
3	12-6-42	60%	Macronutrients water soluble fertilizer
4	20-20-20	60%	大量元素水溶肥
5	5-40	5%	Organic fertilizer 有机肥
6	Organic matter 有机质	≥40%	
7	5-45	5%	Bio-organic fertilizer 生物有机肥
8	Organic matter 有机质	≥45%	
9	Organic matter 有机质	≥40%	Compound microbial fertilizer 复合生物有机肥
10	effective active bacteria 有效活性菌	≥20 million/g	
11	Organic matter 有机质	≥25%	
12	organic active bacteria 有效活性菌	≥200 million/g	



工艺先进

自动化程度高

产品质量稳定

Advanced technology

Highly automated

Stable product quality

从固体到液体

多样化的产品种类

为您提供最佳解决方案

In solid & liquid form

Various product types

Provide the best solution





1硝酸钠

Sodium nitrate(NaNO_3)



- 工业级硝酸钠
- 含量 $\geq 98\%$
- 采用25kg, 50kg包装

用途

- 搪瓷制造业的助溶剂、氧化剂
- 玻璃制造业的脱色剂、消泡剂
- 染料、冶金等工业
- Industrial grade sodium nitrate
- Purity $\geq 98\%$
- In 25kg, 50kg packing

Application

- Solvent and oxidant in enamel manufacturing
- Decolorizer and defoamer in glass manufacturing
- In dyes, metallurgy and other industries



2亚硝酸钠

Sodium nitrite(NaNO_2)



- 工业级亚硝酸钠
- 含量 $\geq 98\%$
- 采用25kg, 50kg包装

用途

- 制造硝基化合物的原料
- 织物染色的媒染剂, 漂白剂
- 金属热处理剂等

- Industrial grade sodium nitrite
- Purity $\geq 98\%$
- In 25kg, 50kg packing

Application

- Raw materials for the manufacture of nitro compounds
- Mordants for fabric dyeing, bleaching agents
- Metal heat treatment agents, etc.





3三聚氰胺

Melamine(C₃H₆N₆)



- 工业级三聚氰胺
- 含量≥99.8%
- 采用25kg, 50kg包装

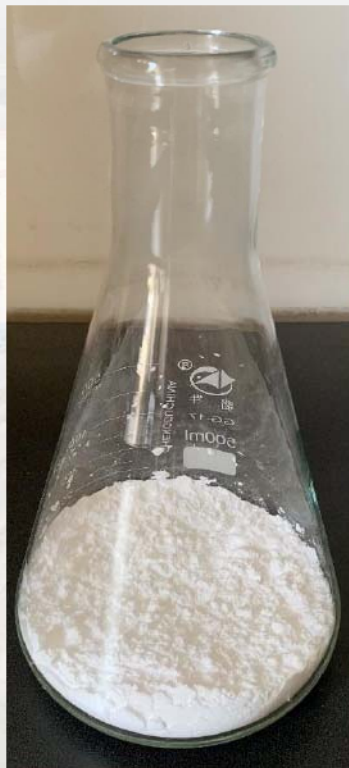
用途

- 与甲醛缩合聚合可制得三聚氰胺树脂
- 用于塑料及涂料工业
- 纺织物防摺、防缩处理剂

- Industrial grade melamine
- Purity ≥99.8%
- In 25kg and 50kg packing.

Application

- Melamine resin production, condensation polymerization with formaldehyde
- In the plastics and coatings industry
- Anti-folding and anti-shrinking treatment agent for textiles



4过氧化氢

Hydrogen peroxide(H₂O₂)



- 工业级过氧化氢
- 含量27.5% , 50%
- 采用25L, 200L, 1000L包装

用途

- 氧化剂、漂白剂和清洗剂等
- 纺织、化工、造纸, 电子
- 环保, 采矿, 医药
- 航天及军工等行业

- Industrial grade hydrogen peroxide
- Content 27.5%, 50%
- In 25L, 200L, 1000L packing

Application

- Oxidant, bleach and cleaning agent
- In textile, chemical, paper, electronics
- Environmental protection, mining, pharmaceutical, aerospace and military industries





5精甲醇

Refined methanol(CH₄O)



- 工业级精甲醇
- 采用25L, 200L, 1000L包装

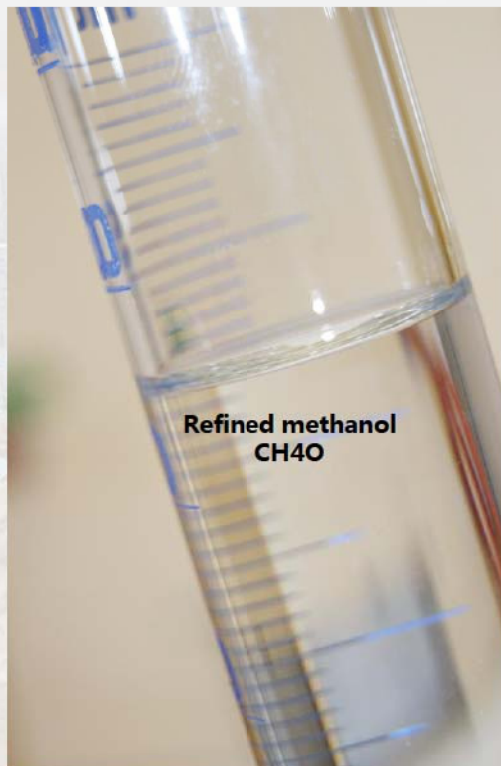
用途

- 合成纤维、甲醛、塑料、医药、农药、染料、合成蛋白质等工业生产
- 基本的有机化工原料

- Industrial grade refined methanol
- In 25L, 200L, 1000L packing

Application

- In industrial production of synthetic fiber, formaldehyde, plastic, medicine, pesticide, dye, synthetic protein, etc.
- Basic organic chemical raw material



6甲醛

Formaldehyde(CH₂O)



- 工业用甲醛溶液
- 含量≥37%
- 采用25L,200L,1000L包装

用途

- 制造树脂和合成塑料或橡胶
- 建筑材料、木材加工、造纸、纺织
- 皮革加工、医药、油漆、炸药等行业
- Industrial formaldehyde solution
- Content ≥37%
- In 25L, 200L, 1000L packing

Application

- Manufacturing resins and synthetic plastics or rubber
- In construction materials, wood processing, paper making, textile
- Leather processing, medicine, paint, explosives and other industries



7氯磺酸

Chlorosulfonic acid(HSO_3Cl)



- 工业级氯磺酸
- 含量 $\geq 98\%$
- 采用25L,200L,1000L包装

用途

- 制造磺胺药物、糖精、染料中间体的磺化剂
- 制造农药、洗涤剂、离子交换树脂、塑料等
- 军事上用作烟幕剂
- Industrial grade chlorosulfonic acid
- Content $\geq 98\%$
- In 25L, 200L, 1000L packing

Application

- Manufacturing sulfa drugs, saccharin and sulfonating agents in dye intermediates
- Manufacturing pesticides, detergents, ion exchange resins, plastics, etc.
- Smoke agent in military



8盐酸

Hydrochloric Acid(HCL)



- 副产盐酸
- 含量21% , 31%
- 采用25L,200L,1000L包装

用途

- 重要的无机化工产品
- 染料、医药、食品、印染、皮革、冶金等行业

- By-product hydrochloric acid
- Content $\geq 31\%$
- In 25L, 200L, 1000L packing

Application

- Important inorganic chemical product
- In dyes, pharmaceuticals, food, printing and dyeing, leather, metallurgy and other industries





9硫酸

Sulfuric Acid(H_2SO_4)



- 工业浓硫酸
- 含量 $\geq 98\%$
- 采用25L,200L,1000L包装

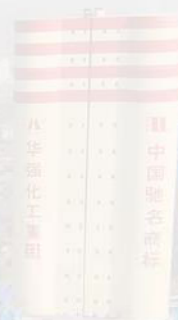
用途

- 用作干燥剂,反应溶剂等

- Industrial concentrated sulfuric acid
- Content $\geq 98\%$
- In 25L, 200L, 1000L packing

Application

- As a desiccant, chemically as a reaction solvent, etc.





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- 华强农化服务团队根据农民的需求，实地取样进行测土配方
- Huaqiang Agrochemical Service Team samples and tests the soil characteristics according to the needs of farmers
- 针对不同地域、不同土质、不同作物开发出具有满足作物需求和改良土壤的针对性产品
- Developed specific products that meet crop demand and soil improvement for different regions, soils and crops



便捷物流

Fast delivery

Water transport:

Yichang and Wuhan Port terminals along the Yangtze River.

Railway:

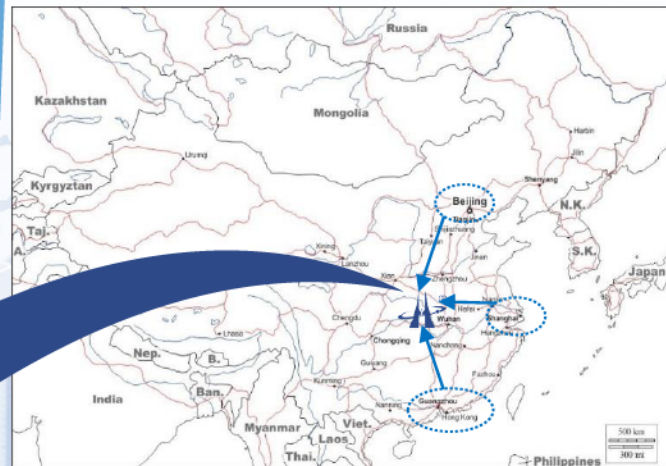
Dangyang railway station-Yichang High Speed Rail Station,70 km away.

Highway:

Shanghai-Chengdu Expressway, Erguang Expressway,
318 National Highway,207 National Highway meets at Dangyang City.

Air transport:

Yichang Sanxia Airport, 25 km away



水运：长江沿岸2座合作码头-宜昌港-武汉阳逻港
铁路：当阳市两条铁路专用线-宜昌高铁站距工厂约70公里
公路：沪蓉高速-二广高速-318国道-207国道在当阳交汇
空运：三峡机场距工厂约25公里



合作伙伴互动

Interaction with partners



- 定期组织各地经销商、种田大户、合作伙伴来厂考察交流
- 提升认知，使客户了解华强，信任华强，为日后长久合作，打下坚实的基础
- Regularly organize distributors, farmers and partners to visit plant and exchange ideas
- To build trust in customer and partners for long-term cooperation







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从本土到全球

从优秀到卓越

华强化工创新发展的脚步从未止息

立足全国，走向世界

努力实现“百亿华强，百年华强”的光荣与梦想

From single to multiple

From domestic to global

From good to excellent

Huaqiang Chemical's endeavor for innovation and development
has never stopped

By developing domestic market and reaching out to the world,
Huaqiang Chemical aims at fulfilling the ambition and hope

“Building 10 billion value Huaqiang and Centennial Huaqiang”





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