



WANSHAN GROUP

山东万山化工有限公司

SHANDONG WANSHAN CHEMICAL CO., LTD

地址：山东省潍坊市昌乐县朱刘镇万山路

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WANSHAN GROUP

COMPANY PROFILE

Shandong Wanshan Chemical Co., Ltd

It is a whole owned subsidiary of Shandong Wanshan Group Co., Ltd. As an ISO 9001:2008 certified firm Shandong Wanshan Chemical Co., Ltd is the largest manufacturer of a kind of concrete admixture: SNF (Sodium naphthalene formaldehyde powder) in China, and we are subsidiary of SHANDONG WANSHAN GROUP CO., LTD. Our production capacity reaches 900,000 MTs/year. Our factories have realized scale production, we produce the raw material of formaldehyde by ourselves, and we buy the raw material of industrial naphthalene from our neighbor factory who is 50 meters from us. The coal gas we used is producing by ourselves. All those reduce our production costs, so we can offer the best price.

WANSHAN brand is named “Famous Trademark of China” by Trademark Office of SAIC of People’s Republic of China.

We keep paying high attention to the products quality and we win market with high quality, professional service and so that we gain high reputation among the world.

Shandong Wanshan Group Co., Ltd.

It is a joint-stock company, established in the year of 2004. The headquarter of group is located in “World Kite Capital” Weifang City, building area is 1,332,000 square meters, total asset is 3.6 billion RMB, existing staff of 2300, annual sales income is over 7 billion RMB. With excellent team and advanced technology, now based on the development in the building materials, coal chemical, biological chemical, transport, glaze industrial, international trade and other field, Wanshan becomes a modernized group company.



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SODIUM NAPHTHALENE SULPHONATE FORMALDEHYDE CONDENSATE POWDER

- ◆ INTRODUCTION:
- ◆ CAS Code: 36290-04-7
- ◆ HS Code (CN): 38244010
- ◆ SNF a high range water reducer, commonly referred to as a super plasticizer, also named Naphthalene Sulphonate Formaldehyde Condensate (short name: SNF, PNS, NSF, etc...)
- ◆ SNF is made from naphthalene, sulfuric acid, formaldehyde and liquid alkali, through sulfonation, hydrolyzation, condensation and neutralization reaction and then drying to powder. SNF-A5% contains very small chloride. Thus, it meets the requirements of chemical admixture specifications for concrete: ASTM Designation C 494 as a Type F admixture, GB8076-2008 and GB50119-2003.



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SODIUM NAPHTHALENE SULPHONATE FORMALDEHYDE CONDENSATE POWDER

- ◆ **Uses**
- ◆ SNF produces concrete with extremely workable characteristics referred to as high slump.
- ◆ SNF also allows concrete to be produced with very low water/cement ratios at low or normal slumps.
- ◆ SNF is ideal for use in pre stress, precast, bridge deck or any concrete where it is desired to keep the water/cement ratio to a minimum and still achieve the degree of workability necessary to provide easy placement and consolidation.
- ◆ SNF will also fluidize concrete, making it ideal for tremie concreting or other applications where high slumps are desired.
- ◆ SNF is compatible with Portland Cement, Normal Portland cement, Portland Slag Cement, Fly-ash Cement, Portland Pozzolanic Cement, etc.



SODIUM NAPHTHALENE SULPHONATE FORMALDEHYDE CONDENSATE POWDER

WANSHAN GROUP Advantages

- ◆ SNF produces high slump flowable concrete with no loss in strength.
- ◆ SNF produces low water/cement ratio concrete and therefore, high strengths.
- ◆ SNF in prestress/precast work, can be used to substantially reduce or eliminate the high energy requirements of external heat for accelerated curing.
- ◆ SNF concrete, even at high slump, exhibits no significant segregation in comparison to concrete without a super-plasticizer at the same slump.
- ◆ SNF aids in rapid discharge of concrete from truck mixers thereby reducing on the job time and improving mixer utilization.
- ◆ **Properties, Features & Characteristics**
- ◆ Visual Appearance: Light brown powder. Non-poisonous, odorless, non-flammable and non-corrosive to steel bars.
- ◆ Remarkable Plasticity: As a condition of blending where amount of cement and collapsibility are fixed beforehand, mixing water can be decreased by 10-30% when it is mixed with reinforced concrete at 0.3-1.5%.
- ◆ Improve miscibility of concrete amalgamator with water and collapsibility as well. As a condition of equivalent blending, collapsibility can be increased.



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CERTIFICATE OF ANALYSIS

ITEM	SNF-A	SNF-B	SNF-C
Appearance	Light brwon powder	Light brwon powder	Light brwon powder
Solid Content	≥ 91%	≥ 91%	≥ 91%
Sodium sulfate content	< 5%	<10%	<18%
Chloride Content	< 0.3%	< 0.4%	< 0.5%
PH Value	7-9	7-9	7-9
Net Starch Fluidity 1% dosage 42.5# cement	≥ 210mm	≥ 205mm	≥ 200mm
Surface Tension	$(70\pm 1) \times 10^{-3} \text{N/M}$	$(70\pm 1) \times 10^{-3} \text{N/M}$	$(70\pm 1) \times 10^{-3} \text{N/M}$



PERFORMANCE DATA OF CONCRETE MIXING INDEX

Parameters		SNF-A	SNF-B	SNF-C
Water Reduction %		18-28	17-25	16-22
Water Penetration %		79	80	85
Air Content %		2.0	2.0	2.0
Temporal Distribution for setting (min)	Initial setting time	-90 ~ +120	-90 ~ +120	-90 ~ +120
	Terminal setting time			
Compression strength, %	1 d	170	165	160
	3 d	160	155	150
	7 d	145	140	140
	28 d	135	130	125
Shrinkage, %	28 d	82	85	88
Corrosion to steel bars		None	None	None

Note: Standard blend dosage: 1 % (as cement amount)





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650KG / Jumbo Bag



25kgs bag



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OFFICE BUILDING



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Management System Certification

QUALITY MANAGEMENT SYSTEM CERTIFICATION CERTIFICATE

Shandong Wanshan Chemical Industry Co., Ltd.

Middle Section Of Wanshan Road, Zhuliu Street, Changle County, Shandong Prov.
Zip Code:262404

**The Quality Management System Conforms to the Standard
ISO9001:2008**

Certified Scope:

Production and service of cement additive (water reducing agent).



Chen
Issued By: _____



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Only when used concurrently with the Notice of Annual Confirmation of the year from Jun. 2015 to Jun. 2017, can this certificate be valid.
Address: 17F, Building 3 (Group Center), 170 Beiyuan Road, Chaoyang Dist., Beijing, P.R. China Postcode: 100101 Tel: 010-84880008 Web Site: www.uicc-veb.com



营业执照

(副本)

统一社会信用代码 913707257657978166

1-1

名称	山东万山化工有限公司
类型	其他有限责任公司
住所	昌乐县朱刘街道万山路中段
法定代表人	刘伟全
注册资本	壹亿贰仟万元整
成立日期	2004年08月26日
营业期限	2004年08月26日至2034年08月26日
经营范围	减水剂、水泥添加剂生产、销售；葡萄糖酸钠销售及以上产品的进出口业务（涉及许可证生产经营的，须凭许可证生产经营）（依法须经批准的项目，经相关部门批准后方可开展经营活动）。



登记机关

2015年12月25日

提示:1. 每年1月1日至6月30日通过企业信用信息公示系统报送并公示上一年度年度报告,不另行通知;
2. 《企业信息公示暂行条例》第十条规定的企业有关信息形成后20个工作日内须向社会公示(个体工商户、农民专业合作社除外)。

企业信用信息公示系统网址:

<http://sdxy.gov.cn>

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