

上海丝凯检测技术有限公司
Shanghai SCAN Test-Tec CO., LTD.



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金属加工液性能评测 Metalworking Fluid Performance Evaluation

工业清洗添加剂定制 Custom Industrial Cleaning Additives

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上海丝凯检测技术有限公司是以上海壹萨化学科技有限公司研发中心平台之上成立的专门针对工业清洗，工业防锈添加剂的研发型企业。工业清洗领域目前主要拥有三个产品系列，分别是表面活性剂Hsurfacc®系列、增溶渗透助剂Hsubor®系列和螯合分散助剂Hsuche®系列。以“成为工业清洗剂业内口碑中上下游联合研发产品最理想的合作伙伴”为最高愿景，秉承着“互相信任是WIN-WIN的合作基础”的核心价值观，为专业工业清洗剂制造商提供市场特性强、性价比优秀的添加剂。同时也提供终端清洗剂产品、特殊定制原材料、非标检测方法等多方向联合研发服务。

Shanghai SCAN Test-Tec Co., Ltd. is a research-driven enterprise specializing in industrial cleaning and antitrust additives, established under the R&D platform of Shanghai ISA Chemical Technology Co., Ltd. Our product lines include:

Hsurfacc® Series: Surfactants

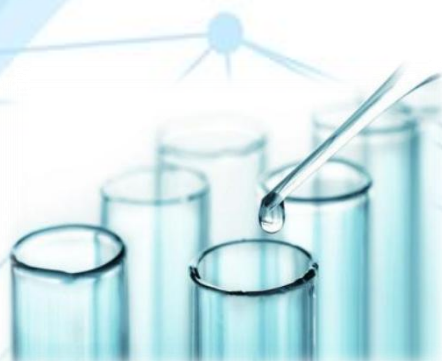
Hsubor® Series: Solubilizing and permeating agents

Hsuche® Series: Chelating and dispersing agents

Vision: To become the most trusted partner for joint product development in the industrial cleaning sector.

Core Value: "Mutual trust is the foundation of win-win cooperation."

We offer high-performance, cost-effective additives, custom raw materials, non-standard testing methods, and tailored R&D services for industrial cleaning manufacturers.



表面活性剂 Surfactant series

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表面活性剂 Surfactant series



Hsurf[®] S喷淋系列 spray series

产品名称 Product Name	分类 Classification	主要成分 Main Composition	特性指标 Key Properties	用途 Applications
Hsurf [®] S-RT1	非离子表面活性剂 Nonionic surfactant	C8-10异构醇聚氧乙烯醚聚氧丙烯醚 C8-10 Iso-alcohol polyoxyethylene polyoxypropylene ether	浊点: <25℃ Cloud point: < 25℃	常温中低压 (<0.3MPa) 喷淋清洗剂的主表活, 泡沫低, 清洗效果良好。 Primary surfactant for ambient temperature, medium-low pressure (<0.3MPa) spray cleaning agents, featuring: • Low foaming characteristics • Outstanding detergency performance
Hsurf [®] S-RT2	非离子表面活性剂 Nonionic surfactant	C8-10异构醇聚氧乙烯醚 C8-10 Iso-alcohol polyoxyethylene ether	浊点: <25℃ Cloud point: < 25℃	常温中低压 (<0.3MPa) 喷淋清洗剂的主表活, 泡沫低, 渗透效果良好。 Primary surfactant for ambient temperature medium-low pressure (<0.3MPa) spray cleaning agents, featuring: • Low foaming characteristics • Excellent penetration performance
Hsurf [®] S-RT3	非离子表面活性剂 Nonionic surfactant	C8-10异构醇聚氧乙烯醚 C8-10 Iso-alcohol polyoxyethylene ether	浊点: <25℃ Cloud point: < 25℃	常温中低压 (<0.3MPa) 喷淋清洗剂的主表活, 泡沫低, 渗透效果良好, 综合性能优于S-RT1和S-RT2。 Primary surfactant for ambient temperature medium-low pressure (<0.3MPa) spray cleaning agents, featuring: • Low foaming characteristics • Excellent penetration performance • Overall performance superior to S-RT1 & S-RT2

表面活性剂 Surfactant series

Hsurf[®] S喷淋系列 spray series

产品名称 Product Name	分类 Classification	主要成分 Main Composition	特性指标 Key Properties	用途 Applications
Hsurf [®] S-401	非离子表面活性剂 Nonionic surfactant	C8-11异构醇聚氧乙烯醚聚氧丙烯醚 C8-11 Iso-alcohol polyoxyethylene polyoxypropylene ether	浊点: 30~40℃ Cloud point:30~40℃	中温（40~60℃）中低压（<0.3MPa）喷淋清洗剂的主表活，泡沫低，渗透效果良好。替代巴斯夫LF221,沙索FK86。 Primary surfactant for medium-temperature (40-60°C) medium-low pressure (<0.3MPa) spray cleaning agents, featuring: • Low foaming characteristics • Excellent penetration performance • Direct replacement for BASF LF221 & Sasol FK86
Hsurf [®] S-502	非离子表面活性剂 Nonionic surfactant	C8-12异构醇聚氧乙烯醚聚氧丙烯醚 C8-12 Iso-alcohol polyoxyethylene polyoxypropylene ether	浊点: 30~50℃ Cloud point:30~50℃	中温（40~60℃）中低压（<0.3MPa）喷淋清洗剂的主表活，浊点后泡沫倾向低，清洗效果优秀，二次残留低。 Primary surfactant for medium-temperature (40-60°C) medium-low pressure (<0.3MPa) spray cleaning agents, featuring: • Low post-cloud-point foaming tendency • Superior detergency performance • Low post-rinse deposition
Hsurf [®] S-504	非离子表面活性剂 Nonionic surfactant	C8异构醇聚氧乙烯醚聚氧丙烯醚 C8 Iso-alcohol polyoxyethylene polyoxypropylene ether	浊点: 35~45℃ Cloud point:35~45℃	中温（40~60℃）中低压（<0.3MPa）喷淋清洗剂的主表活，浊点后泡沫倾向低，清洗效果优秀，二次残留低。 Primary surfactant for medium-temperature (40-60°C) medium-low-pressure (<0.3MPa) spray cleaning agents, featuring: • Low post-cloud-point foaming tendency • Superior detergency performance • Low post-rinse deposition

Hsurf[®] S喷淋系列 spray series

产品名称 Product Name	分类 Classification	主要成分 Main Composition	特性指标 Key Properties	用途 Applications
Hsurf [®] S-704	非离子表面活性剂 Nonionic surfactant	C8-10异构醇聚氧乙烯醚聚氧丙烯醚 C8-10 Iso-alcohol polyoxyethylene polyoxypropylene ether	浊点: 50~70℃ Cloud point:50~70℃	高温（>60℃）中低压（<0.3MPa）喷淋清洗剂的主表活，浊点后泡沫倾向低，清洗效果优秀，二次残留低。 Primary surfactant for high-temp (>60℃)medium-low-pressure (<0.3M Pa) spray cleaning agents, featuring: • Low post-cloud-point foaming tendency • Superior detergency performance • Low post-rinse deposition

表面活性剂 Surfactant series

Hsurf[®] U超声波系列 ultrasonic series

产品名称 Product Name	分类 Classification	主要成分 Main Composition	特性指标 Key Properties	用途 Applications
Hsurf [®] U-501	非离子表面活性剂 Nonionic surfactant	C10-14异构醇聚氧乙烯醚 C10-14 Iso-alcohol polyoxyethylene ether	浊点: 40-60℃ Cloud point:40~60℃	中高温（40~70℃）超声波清洗剂的主表活，具有优秀的脱脂和分散效果，清洗持久力强。替代NP/OP产品。 Primary surfactant for medium-high temperature (40-70℃) ultrasonic cleaning agents, featuring: • Superior degreasing & particle dispersion • Superior sustained soil removal capability • Eco-friendly replacement for NP/OP series
Hsurf [®] U-502	非离子表面活性剂 Nonionic surfactant	C10-14异构醇聚氧乙烯醚 C10-14 Iso-alcohol polyoxyethylene ether	浊点: 40-55℃ Cloud point:40~55℃	中高温（40~70℃）超声波清洗剂的主表活，具有优秀的脱脂和分散效果，清洗持久力强。弱阳离子特性提升对油污的剥离分散能力。替代阿克苏226SA产品。 Primary surfactant for medium-high temperature (40-70℃) ultrasonic cleaning agents, featuring: • Superior degreasing & particle dispersion • Superior sustained soil removal capability • Weak cationic properties for enhanced oil stripping • Direct replacement for AkzoNobel 226SA
Hsurf [®] U-701	非离子表面活性剂 Nonionic surfactant	C10-14异构醇聚氧乙烯醚 C10-14 Iso-alcohol polyoxyethylene ether	浊点: 50-65℃ Cloud point:50~65℃	高温（>60℃）超声波清洗剂的主表活，具有优秀的脱脂和分散效果，清洗持久力强。替代NP/OP产品。 Primary surfactant for high-temperature (>60℃) ultrasonic cleaning agents, featuring: • Superior degreasing & particle dispersion • Superior sustained soil removal capability • Eco-friendly replacement for NP/OP series

表面活性剂 Surfactant series

Hsurf[®] CU系列 heavy scale series

产品名称 Product Name	分类 Classification	主要成分 Main Composition	特性指标 Key Properties	用途 Applications
Hsurf [®] CU-50	配方剂 Formula	商业机密 Trade secret	浊点：40-60℃ Cloud point:40~60℃	中高温（40~70℃）超声波清洗剂的主表活，清洗效果优异，适用于重垢清洗。 Primary surfactant for medium-high temperature (40-70℃) ultrasonic cleaning agents, featuring: • Outstanding detergency performance • Heavy oil cleaning

* 特性指标仅为产品的典型范围值，而非质量管控范围，具体典型值与质控范围以产品TDS和COA为准。

* The characteristic parameters represent typical product ranges only, not quality control specifications. For exact typical values and QC ranges, please refer to the product's TDS and COA .

* 因篇幅限制未能列举全部产品清单，所收录产品为通用产品，如需要特殊化需求的产品，请向销售人员咨询。

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增溶渗透助剂 Solubilization and penetration enhancing agent series

Hsubor® G系列渗透剂 penetrating series

产品名称 Product Name	分类 Classification	主要成分 Main Composition	特性指标 Key Properties	用途 Applications
Hsubor® G-640	醇醚渗透剂 Alcohol ether penetrant	硅改性多元醇醚 Silicone-modified polyol ether	0.5%表张：48.6mN/m 0.5% surface tension: 48.6mN/m	常温高压（0.3~40MPa）喷淋清洗剂的主要渗透溶剂，基本无泡，清洗效果优秀，具有铝缓蚀性能。 High-pressure (0.3-40MPa) spray cleaning penetrating solvent, featuring: • Ultra-low foaming (near foam-free) • Outstanding detergency performance • Aluminum corrosion inhibition • Ambient temperature operation
Hsubor® G-400	硅醚渗透剂 Silicone ether penetrant	硅改性聚氧乙烯聚氧丙烯醚 Silicone-modified polyoxyethylene polyoxypropylene ether	0.1%表张：22.0mN/m 0.1% surface tension: 22.0mN/m	中高温（40~70℃）超声波清洗剂的渗透剂，清洗具有附着性的金属、非金属固体颗粒污垢。清洗难分散的重质污垢。清洗玻璃，防水痕。 Penetrating Agent for Medium-High Temperature (40-70°C) Ultrasonic cleaning agents. Effective on: • Adherent particulate contaminants (metallic/non-metallic) • Stubborn, poorly-dispersed heavy soils • Glass surfaces with anti-water-spot performance

增溶渗透助剂 Solubilizing and permeating agent series

Hsubor® A系列增溶剂 solubilizing series

产品名称 Product Name	分类 Classification	主要成分 Main Composition	特性指标 Key Properties	用途 Applications
Hsubor® A-60PK	增溶剂 Solubilizer	磷酸酯盐 Phosphate ester salt	固含量：> 60% Solid content:100%	用于碱性环境下的非离子表面活性剂增溶，增溶效率高，成品高低温稳定性好，泡沫低，具有高性价比。替代陶氏H66。 A nonionic surfactant designed for solubilization in alkaline environments, featuring: • High solubilization efficiency • Excellent stability under both high and low temperatures • Low foam performance and cost-effectiveness • Direct replacement for Dow's H66
Hsubor® A-95	增溶剂 Solubilizer	混合苯磺酸盐 Benzenesulfonate mixture	固含量：100% Solid content:100%	用于碱性环境下的非离子表面活性剂增溶，增溶效率高，成品高低温稳定性好，泡沫低。 A nonionic surfactant designed for solubilization in alkaline environments, featuring: • High solubilization efficiency • Excellent stability under both high and low temperatures • Low foam performance
Hsubor® A-675	烷基糖苷 Alkyl polyglucosides	异构烷基糖苷 Isomeric alkyl polyglucosides	固含量：>75% Solid content:>75%	用于碱性环境下的非离子表面活性剂增溶，增溶效率高，成品高低温稳定性好，泡沫低，具有一定的油污分散性能。 A nonionic surfactant designed for solubilization in alkaline environments, featuring: • High solubilization efficiency • Excellent stability under both high and low temperatures • Low foam performance • Effective oil soil dispersion

螯合分散助剂 Chelating and dispersive agent series

Hsuche® P系列螯合剂 chelating series

产品名称 Product Name	分类 Classification	主要成分 Main Composition	特性指标 Key Properties	用途 Applications
Hsuche® P-121	配方剂 Formula	混合有机酸及其盐 Blended organic acids with corresponding salts	固含量：>40% Solid content:>40%	适用于高碱环境（pH > 12.0）中使用，具有高碱性范围内优秀的螯合能力，对清洗防锈油有帮助。与偏硅酸盐不配伍。 Suitable for high-alkaline environments (pH > 12.0), featuring: • Excellent chelating capability in high pH ranges • Assisting in cleaning rust preventive oils • Incompatible with metasilicates
Hsuche® P-122	配方剂 Formula	混合有机酸及其盐 Blended organic acids with corresponding salts	固含量：>30% Solid content:>30%	适用于高碱环境（pH >12.0）中使用，具有高碱性范围内良好的螯合能力，对清洗防锈油有帮助，与偏硅酸盐配伍。 Suitable for high-alkaline environments (pH > 12.0), featuring: • Excellent chelating capability in high pH ranges • Assisting in cleaning rust preventive oils • Compatible with metasilicates
Hsuche® P-123	配方剂 Formula	混合有机酸及其盐 Blended organic acids with corresponding salts	固含量：>40% Solid content:>40%	适用于高碱环境（pH >12.0）中使用，具有高碱性范围内良好的螯合能力，对清洗防锈油有帮助，同时对有色金属有一定的缓蚀作用，与偏硅酸盐配伍。 Suitable for high-alkaline environments (pH > 12.0), featuring: • Excellent chelating capability in high pH ranges • Assisting in cleaning rust preventive oils • Compatible with metasilicates • Measurable corrosion inhibition effects on non-ferrous metal substrates

螯合分散助剂 Chelating and dispersive agent series

Hsuche® P系列螯合剂 chelating series

产品名称 Product Name	分类 Classification	主要成分 Main Composition	特性指标 Key Properties	用途 Applications
Hsuche® P-101	配方剂 Formula	商业机密 Trade secret	固含量：>50% Solid content:>50%	适用于中碱环境（pH = 8~10）中使用，具有中碱性范围内优秀的螯合能力，对清洗防锈油有帮助，与偏硅酸盐不配伍。 Suitable for moderately alkaline environment (pH 8~10), featuring: • Excellent chelating capability in medium pH ranges • Assisting in cleaning rust preventive oils • Incompatible with metasilicates

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螯合分散助剂 Chelating and dispersive agent series

Hsuche® FS系列分散剂 dispersing series

产品名称 Product Name	分类 Classification	主要成分 Main Composition	特性指标 Key Properties	用途 Applications
Hsuche® FS-25	分散剂 Dispersant	高分子聚合物 Synthetic polymer	固含量：>45% Solid content:>45%	适用于分散金属、非金属固体颗粒类污染物。分散效果有优异，配方配伍性良好。 Suitable for dispersing both metallic and non-metallic solid particulate contaminants, featuring: • Excellent dispersion performance • Good formulation compatibility

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防锈缓蚀剂 Rust and corrosion inhibitor series

Hsurpre® AR系列 corrosion inhibiting series

产品名称 Product Name	分类 Classification	主要成分 Main Composition	特性指标 Key Properties	用途 Applications
Hsurpre® PS-48	配方剂 Formula	硅酸盐混合物 Silicate mixture	固含量：>48% Solid content:>48%	适用于铝合金高压喷淋，具有缓蚀作用，与有机酸不适配。 Suitable for high-pressure spray cleaning of aluminum alloys, featuring: • Providing corrosion inhibition effects • Incompatible with organic acids
Hsurpre® AR-35	配方剂 Formula	混合有机酸胺盐 Blended organic acids with corresponding salts	固含量：>75% Solid content:>75%	适用于黑色金属高压喷淋，具有防锈作用。 Suitable for high-pressure spray applications on ferrous metals, featuring: • Providing rust prevention
Hsurpre® AR-42	配方剂 Formula	混合脂肪酸 Fatty Acid Mixture	固含量：100% Solid content:100%	适用于黑色金属高压喷淋，具有防锈作用，可降低固体残留风险。 Suitable for high-pressure spray applications on ferrous metals, featuring: • Providing rust prevention • Reducing risks of solid residue

防锈缓蚀剂 Rust and corrosion inhibitor series

Hsurpre® AR系列 corrosion inhibiting series

产品名称 Product Name	分类 Classification	主要成分 Main Composition	特性指标 Key Properties	用途 Applications
Hsurpre® PE-80	缓蚀剂 Corrosion inhibitor	磷酸酯 Phosphate ester	固含量：100% Solid content:100%	适用于有色金属高压喷淋，具有缓蚀作用，与偏硅酸盐不配伍。 Suitable for high-pressure spray applications on non-ferrous metals, featuring: • Providing corrosion inhibition • Incompatible with metasilicates

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