

CH-3168 水性 PU 鞋用膠水

WATER BASE PU ADHESIVE (TDS)

特性：	CHARACTERISTICS
<p>CH-3168 PU 鞋用膠水為有長粘性維持時間及可使用時間的水性 PU 膠。用在鞋子 RUBBER、EVA、皮革及合成皮革等材質的接著上，可得到良好的接著、耐水、耐熱及耐黃變性質。</p>	<p>1. PU ADHESIVE For use in shoes bonding: Rubber, EVA, leather, synthetic leather etc. 2. Long tack time, high bonding strength. 3. Long pot life, easy to use. 4. Good water, heat and yellowing resistance.</p>
物性：	PHYSICAL PROPERTIES
<p>外觀：乳白色液體 固成份：50 ± 1 % 粘度：50 – 800 cps (LVT/25°C) 有效期限：6 個月</p>	<p>Appearance: Milky white liquid 乳白色液體 Solid Content: 50 ± 1 % Viscosity: 50 – 800 cps (LVT/25°C) Shelf Life: 6 months</p>
過程混合比例	PROCESS Mixing ratio
<p>CH-3168 PU 膠 100%</p>	<p>CH-3168 PU adhesive : 100%</p>
<p>CH-55 增稠劑 0.3~0.6% ※根據客戶的要求 ※CH-3168 必須添加 CH-55 增稠劑來調整所需塗刷之黏度，成為可使用的 PU 膠水</p>	<p>CH-55 Thickener : 0.3~0.6% ※According to client's requirements ※CH-3168 PU adhesive must mix with CH-55 thickener to adjust brush's viscosity as required to be workable PU adhesive.</p>
<p>CH-1001：硬化劑：4~6% 調整根據濕度，(熱天:4%硬化劑)(正常天:5%硬化劑)(雨天:6%硬化劑)</p>	<p>CH-1001 : Hardener: 4~6% According to humidity, (hot day 4% hardener) (normal day 5% hardener) (raining day (6% hardener)</p>
<p>(1). 橡膠→脫脂→橡膠底漆 (45-50°C×2'30"-3') → CH-3168 PU 膠 + 4~6% CH-1001 硬化劑 (55-60°C×5'30"-6')</p>	<p>(1). Rubber→degreasing→Rubber Primer (45-50°C×2'30"-3')→CH-3168 PU adhesive + 4~6% CH-1001 Hardener (55-60°C×5'30"-6')</p>
<p>(2). EVA→脫脂→紫外線底漆 (45-50°C×2'30"-3') → UV 光 (紫外線照射) → CH-3168 PU 膠 + 4~6% CH-1001 硬化劑 (55-60°C×5'30"-6')</p>	<p>(2). EVA→degreasing→UV Primer (45-50°C×2'30"-3')→UV light →CH-3168 PU adhesive + 4~6% CH-1001 Hardener (55-60°C×5'30"-6')</p>
<p>(3). 鞋面革→拋光 (粗磨) →皮革底漆 + 4~6% CH-1001 (45-50°C×2'30"-3') → CH-3168 PU 膠 + 4~6% CH-1001 硬化劑 (55-60°C×5'30"-6') → (組裝貼合) → (加壓)</p>	<p>(3). Upper leather→buffing →leather Primer+4~6% CH-1001 (45-50°C×2'30"-3')→CH-3168 PU adhesive + 4~6% CH-1001 Hardener (55-60°C×5'30"-6')→ Assembling → Pressing</p>
<p>乾燥條件：(處理劑) → (45-50°C×2'30"-3') 膠水 → (55-60°C×5'30"-6') CH-1001: 硬化劑 (水乳化多異氰酸酯)</p>	<p>Drying : Primer → (45-50°C×2'30"-3') Cement → (55-60°C×5'30"-6') CH-1001 : Hardener (Water-Emulsifiable Polyisocyanate)</p>
<p>注意事項： 1. CH-3168 未經拆封，可於 5-40°C 保存六個月。 2. 貯存溫度應避免超過 40°C。 3. CH-3168 儘量在 2 月內的最佳時期用完。 4. 貯存溫度不可低於 5°C，否則產品會發生結冰，無法再復原。 5. 貯存容器應密封，否則水份揮發將導致產品結膜，無法再分散。</p>	<p>NOTICE : 1. CH-3168 can be stored at 5-40°C for 6 months in original seal containers. 2. Temperature above 40°C must be avoided. 3. CH-3168 had better finished during 2 months in best period. 4. The product is sensitive to frost, and must therefore not stored at temperature below 5°C. It's not possible to thaw the product after freezing. 5. The containers must be kept tightly sealed; otherwise vaporization of water leads the formation of a film which is not re-dispersible.</p>



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CH-55 Thickener (TDS)

增稠劑

<p>CH-55 增稠劑： 聚氨基酯為基礎的聯想增稠劑為聚氨基酯樹脂。CH-55是適用於增稠劑與水基聚氨基酯PU樹脂。CH-55是一種添加劑具有高增厚效應在中等範圍（stormier粘度，Krebs單位）。</p>	<p>CH-55 Thickener Rheological additives： Polyurethane-based associative thickeners for PU resin. CH-55 Thickener is good thickener with water based PU resin. CH-55 is an additive with a high thickening effect in the medium-shear range (Stormier viscosity, Krebs Units).</p>
<p>應用領域： 0.3 ~ 0.6 %，與水基聚氨基酯PU樹脂</p>	<p>Applications： 0.3~0.6% with water based PU resin</p>
<p>關鍵屬性： CH-55 增稠劑 良好的流變學，提高中等粘度範圍，增強了塗層效果， 高效優良的流動和提高水準。減少濺射在軋軋的應用， 酶抗發展的pH獨立的流變學，容易納入兼容性</p>	<p>Key Properties： CH-55 Thickener Rheological additive excellent rheology improves medium-shear range viscosity enhances film build highly efficient excellent improves flow and leveling, reduces spattering during roller application enzyme resistant develops pH-independent rheology easily incorporated compatibility</p>
<p>化學和物理數據 組成：聚氨基酯溶液在混合水/二甘醇 醚 顏色：雲白 供應形式：25 %的解決辦法± 0.5 % 粘度最高：6000 mpa.s 密度：1.03 克/厘米³</p>	<p>Chemical and Physical Data Composition: polyurethane solution in a mixture of water/diethylene glycol ether Color: cloudy white Form supplied: 25% solution ±0.5 % Viscosity max.: 6000 mPa.s Density: 1.03 g/cm³</p>
<p>各級使用 典型的數量，CH-55 增稠劑 是 0.3 至 6.0 %按重量計算的樹脂。為了達到最佳的性能，系統的表面活性劑的配方可能需要修改。</p>	<p>Levels of Use The typical quantity of CH-55 Thickener is 0.3 to 6.0% by weight of the resin. To achieve optimum properties, the system's surfactant blend may need modification.</p>
<p>健康和安全 之前，使用本產品請諮詢我們的物質安全資料表的信息安全處理。</p>	<p>Health and Safety Before using this product please consult our Material Safety Data Sheet for information on safe handling.</p>
<p>本資料信息是適用於導覽參考，但未畢百分之百的完整，本公司不提供保證。我們建議所有使用者，依潛在使用須求決定我方產品的適用性，並提省使用者須依循相關法令規範，並避免侵犯第三方的權利。有關我們的產品各項疑問我們竭誠歡迎所有愛用者與我們聯繫討論。</p>	<p>The information in this publication is intended to serve as a guide but is not necessarily complete and is given without warranty. We recommend all users to determine the suitability of our products for their intended uses and caution them to comply with statutory obligations and to avoid infringing rights of third parties. We encourage users to contact us to discuss problems involving our products in order to facilitate their use.</p>

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CH-1001 Butyltin-free Water base Hardener (TDS)

無丁基錫水性硬化劑

用途與特性	Use and characteristics :
不含丁基錫的 CH-1001 硬化劑 為脂肪族不黃變型聚異氰酸鹽，可作為水性樹脂分散液之硬化劑。與水性 PU 樹脂分散液反應架橋硬化，有助樹脂薄膜耐熱、耐水和耐溶劑等特性之提昇。	CH-1001- Hardener is a non-yellowing aliphatic and butyltin-free polyisocyanate that can act as crosslinking agent for aqueous polymer dispersions. The improvement of dispersions film properties such as heat, water, and solvents resistance can be achieved by its cross linking.
物性	Physical properties :
<ol style="list-style-type: none"> 1 外觀：無色透明液體 2 固成份：100 % 3 黏度：1500-3800 cps 4 NCO %：18.5 ±1% 5 有效期限：6 個月(保持密閉態)/5-40 	<ol style="list-style-type: none"> 1 Appearance : colorless transparent liquid 2 Solid content : 100 % 3 Viscosity : 1500-3800 cps 4 NCO % : 18.5 ±1% 5 Shelf life : 6 month (keep sealed)/5-40
使用方法	Using method :
<ol style="list-style-type: none"> 1. 添加 5% 之 CH-1001 硬化劑 至已增稠之水性 PU 樹脂中，以 500-800rpm 之攪拌機混合 10-15 分鐘，並請在 3 小時內用完。 2. 雨天或濕度高時，請增加添加量 1%。 3. 添加硬化劑後的膠水會產生二氧化碳，請勿密封。 	<ol style="list-style-type: none"> 1. Add 5 % CH-1001 Hardener by weight to the thickened dispersion and mix well by agitator at 500-800 rpm for 10-15 min. Use up in 3 hours. 2. Add 1% more CH-1001 Hardener during raining days and high humidity weather. 3. Don't seal the container due to CO₂ will evolve when hardener mixing with cement.
注意事項	Notice :
<ol style="list-style-type: none"> 1. 易與空氣中的水氣作用而變質 (增粘 凝膠或硬化) 並產生二氧化碳，故不用時請立刻緊密瓶蓋。 2. 應貯存在 5-40 之密閉容器中。 	<ol style="list-style-type: none"> 1. Easy to react with moisture and generate CO₂, thus seal the container when not in use. 2. Should be kept in tightly closed containers at 5-40
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Material Safety Data Sheet

一、 Identification of the substance/preparation and company

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Product Information: WATER BASE PU ADHESIVE		
Production Number: CH-3168		
Information on Producer/Supplier Name、 address、 Phone: CHWEN SHYAN ENTERPRISE CO., LTD. NO. 13. RONG-GONG N. ROAD, GUANN-IN INDUSTRIES PARK. TAUR-YUAN, TAIWAN 328 TEL NO: 88634389676		
Emergency Phone No:	88634389676	Fax No: 88634389686
Compile Date:	March/08/2007	
Document No;	Version: 06	Document type: Uncontrolled Document

二、 Composition / Information on Ingredients

English Name:	
Synonyms:	-
Chemical Abstracts Number (CAS No.):	-
Percentage for chemical Ingredient (%):	-

Mixing:

Chemical Character:		
Hazardous Components Name	Concentration / Percentage	Hazard Symbols
Acetone	< 1	
Water	50 ± 1	
PU Resin	50 ± 1	

三、 Hazard Identification:

Hazard Warning for Health: May cause sensitization by skin contact and inhalation.
Hazard Warning for Environment Air pollution and water pollution.
Physical and Chemical Dangerous: Low VOCs and low toxicity.
Special Harm : None
Hazard Category : None

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四、 First Aid Measures:

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Emergency and first aid procedures.
Inhalation: Take patient into the fresh air.
Skin contact: Wash thoroughly with plenty of soapy water.
Eye contact: Rinse with plenty of water, then consult oculist.
Avoid vomiting and seek medical advice.
Major Disease and Harm Effect: None
First-Aid personal: Water respirator, rubber gloves, goggles and protective clothing.
Prompt to doctor: Kind of resin.

五、 Fire fighting measure:

Suitable extinguishing media: Water, foam and power extinguisher.
Special Exposure hazards: Vapors are heavier than air and may travel back to source of ignition a flash back. Irritating and toxic gases of fumes may be released during a fire.
Special protection procedure: Cool the containers down with plenty of water.
Special protection equipment : Wear respiratory protection equipment.

六、 Accidental Release Measures

Personal protection : Wear respirator, rubber gloves, goggles and protective clothing.
Environmental protection: Prevent entry into the sewage system, risk of blockage due to polymer deposits.
Methods for cleaning up: Cover residues with humid absorbent material, and then fill into container by shovel.

七、 Handling and storage

Handling: Ensure efficient exhaust ventilation in the working area.
Storage: Keep container tightly closed and store between 5°C and 40°C.

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八、 Exposure control / personal protection

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Engineering control: TWA/STEL/CEILING: 750ppm (Acetone) Biotic Index : LD 50 > 9750 mg/kg (Acetone)
Personal protection equipment: Respiratory protection. Wear air-supplied respirator. Hand protection Wear gloves. Eye protection. Wear goggles. Skin & body protection. Wear protective clothing.
Hygiene procedures: Observe the common precautionary measures, contaminated cloth must be changed immediately, wash hands after work is completed.

九、 Physical and chemical properties / characteristics

Appearance : Liquid	Form:
Color : Milky-white	Order: slight ketone odor
pH value: 7.8 ± 1	Boiling Point/Boiling Rang:
Decomposition Temperature: -	Flash point: -- °C Test Method: --
Spontaneous Temperature: --	Exposure limits: --%
Vapor Pressure : ---- mm Hg(20°C)	Vapor density (Air=1.0)
Specific gravity : 1:00-1.10 (Water=1)	Solubility in water Miscible

十、 Stability and reactivity

Stability : Good
Special conditions of hazardous reaction : Decomposed at high temperature.
Conditions to avoid: Keep away from flame.

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Incompatibility: Strong alkalis and strong acids

Hazardous decomposition products : None

十一、 Toxicological information

Acute Toxicity : None

Local effect : None

Sensitive: Longer contact with skin, irritating effects are possible.

Chronic : None

Exceptional Effect : None

十二、 Ecological information

Possibility of Environmental impact/Move:

Hazardous to water. Must not enter the water, drains or ground.

十三、 Ecological information

Disposal information:

Should be disposed of at appropriate incineration unit observing official local regulations.

十四、 Transport information

International transport regulation:

DOT,IATA/ICAO,IMDG/IMO

The United Nations Number (Un-No) : **

Internal Transport regulation:

1. Road safety rules dealing with Article 84
2. Ships carrying dangerous goods rules
3. Taiwan Railway Administration transporting dangerous goods handling rules

Special transport way and note:

Keep away from foodstuffs, acids and alkalis, put between 5°C and 40°C.

十五、 Regulation Information

Apply Regulation:

Labor safe sanitation rules, organic solvent poisoning prevention rules, workers operating in the ambient air standards permissible concentration of harmful substances, hazardous and harmful substances of general rules

十六、 Other Information

Reference: ---

Material Name: **CH-3168** Water base PU adhesive

Viscosity: 50 – 800 cps (LVT/25°C)

Appearance: Milky white liquid

Diluents: water

Solid content (%) : 50 ± 1

pH : 7.8 ± 1

Density: 1.06 g/cm³

Hardening or drying time : 55-60 °C 5.5 ~ 6 minutes

Characteristics: For use in shoes bonding: Rubber, EVA, leather, synthetic leather, etc. Long tack time, high bonding strength, Long pot life, easy to use, Good water, heat and yellowing resistance.

Packing: 120 Kgs * 118 drums= 14160 Kgs =20 ft container

Purposes: Shoes Adhesive



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