



CHWEN SHYANG ENTERPRISE CO., LTD.

純祥實業股份有限公司

NO.13, RONG-GONG N. RD., GUANN-IN INDUSTRIES  
PARK, TAUR-YUAN, TAIWAN 328

TEL : 886 3 4389676

FAX : 886 3 4389686

WEBSITE :

<http://www.shm.com.tw>

EMAIL :

[bonach.a001@bonalight.com.tw](mailto:bonach.a001@bonalight.com.tw)

## Material Safety Data Sheet

一、 Identification of the substance/preparation and company

Page 1

Product Information: <b>WATER BASE PU ADHESIVE</b>		
Production Number: <b>CH-3168</b>		
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	
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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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FAX:886-3-4389686

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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: ---

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

Viscosity: 50 – 800 cps (LVT/25 )

Appearance: Milky white liquid

Diluents: water

Solid content (%) : 50 ± 1

pH : 7.8 ± 1

Density: 1.06 g/cm<sup>3</sup>

Hardening or drying time : 55-60 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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## Material Safety Data Sheet

### 一、 Identification of the substance/preparation and company

Page 1

Product Information : <b>WATER-BASED THICKENER</b>			
Product Number : <b>CH-55</b>			
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
Emergency Phone No:	88634389676	Fax No:	88634389686
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### 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
Polyurethane Polymer	25 ± 1%	-
Butyl Carbitol	15± 1%	112-34-5
Water	60± 1%	7732-18-5

### 三、 Hazard Identification :

Major Hazard Effect
Hazard Warnings for Health : May cause sensitization by skin contact and inhalation.

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FAX:886-3-4389686

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Hazard Warnings for Environment : Pollution the waters.	Page 2
Physical and Chemical Dangerous : -	
Special Harm : --	
Major State : Irritating to the skin, eye and respiratory tract. May be absorbed through the skin.	
Hazard Category : H.M.I.S. CODES. Healthy 2. Flammability 1. Reactivity	

#### 四、 First Aid Measures :

Emergency and First Aid Procedures ·Inhalation : Take patient into the fresh air. ·Skin Contact : Wash thoroughly with plenty of soapy water. ·Eye Contact : Rince with plenty of water, then consult oculist. ·Ingestion : Provide symptomatic treatment and seek medical.
Major Disease and Harm Effect : Central nervous
First-Aid Personal Protection : Rubber gloves.
Prompt to Doctor : Major effects of overexposure will be central nervous system depressor.

#### 五、 Fire Fighting Measure :

Suitable Extinguishing Media : Water, foam and powder extinguisher.
-Special Exposure Hazards : --
Special Extinguishing Procedur : --
Special Protection Equipment :

#### 六、 Accidental Release Measures

Personal Protection : Wear a self contained breathing apparatus if a mist or spray occurs. Avoid contact with the skin and inhalation of the vapor.
Environmental Protection : Prevent entry into the sewage system.
Methods for Cleaning Up : Cover residues with humid absorbent material, then fill into container by shovel.

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Handling : Ensure efficient exhaust ventilation in the working area., avoid heating or misting of the vapor.
Storage : Store in cool dry place.

## 八、 Exposure Control / Personal Protection

Engineering Control :
Control Factor : ·TWA/STEL/CEILING : -- ·Biotic Index : LD50 : --
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 clothes must be changed immediately. Wash hands after work is completed.

## 九、 Physical and Chemical Properties / Characteristics

Appearance : Liquid	Form :
Colour : White	Odour : --.
pH pH value : NA	Boiling Point / Boiling Range: : 100
Decomposition Temperature : --	Flash Point :                    -- Test Method : <input type="checkbox"/> Open Cup <input type="checkbox"/> Close Cup
Spontaneous Temperature : --	Exposure Limits :                %
Vapor Pressure : mmHg	Vapor Density :    -- (Air=1.0)
Specific Gravity : 1.0 – 1.1 (Water=1)	Solubility in Water : Miscible

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Stability : Stability.
Special Conditions of Hazardous Reaction :
Conditions to Avoid : Avoid excessive temperature and ignition sources.
Incompatibility : Acids, bases and oxidizing agent.
Hazardous Decomposition Products : --

**十一、 Toxicological Information**

Acute Toxicity : -
Local Effects : -
Sensitive : Contact with skin, irritating effects are possible.
Chronic : -
Exceptional Effect :

**十二、 Ecological Information**

Possibility of Environmental Impact/Move : Hazardous to water. Must not enter the waters, drains or ground.
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**十三、 Disposal Information**

Disposal Information : Dispose of in accordance with local, state and federal regulations. Use a licensed waste handler.
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**十四、 Transport Information**

International Transport Regulation : DOT, IATA/ICAO, IMDG/IMO
The United Nations Number (Un-No) : **
Internal Transport regulation : ① ② ③
Special Transport Way and Note : Keep away from foodstuffs, acids and alkalis. Put between 5 and 40 .

**十五、 Regulation Information**

Apply Regulation : 1. USA TSCA, CANADA DSL. 2. EPA TSSCA 12 (B).
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**十六、 Other Information**

Reference	
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EMAIL : [bonach.a001@bonalight.com.tw](mailto:bonach.a001@bonalight.com.tw)

## Material Safety Data Sheet

### 一、 Identification of the substance/preparation and company

Page 1

Product Information : <b>WATER-BASED HARDENER</b>		
Product Number : <b>CH-1001</b>		
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
Emergency Phone No:	88634389676	Fax No: 88634389686
Compile Date:	JULY/11/2008	
Document No;	Version: 1.0	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
Hydrophilic aliphatic polyisocyanate	99 ± 1%	-

### 三、 Hazard Identification :

Major Hazard Effect
Hazard Warnings for Health : May cause sensitization by skin contact and inhalation.

CHWEN SHYANG ENTERPRISE CO., LTD.

TEL 886-3-4389676

FAX:886-3-4389686

純祥實業股份有限公司

桃園.台灣 Taoyuan, Taiwan 33758

**CH-1001**

Pollution the waters.

Physical and Chemical Dangerous : -

Special Harm : --

Major State :

Irritating to the skin, eye and respiratory tract. May be absorbed through the skin.

Hazard Category : H.M.I.S. CODES.

Healthy 2. Flammability 1. Reactivity

**四、 First Aid Measures :**

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 ophthalmologist.

· Ingestion : Avoid vomiting and seek medical advice.

Major Disease and Harm Effect : Headache, dizziness, vomit and drowsiness.

First-Aid Personal Protection : Wear respirator, rubber gloves, goggles and protective clothing.

Prompt to Doctor : Kind of resin.

**五、 Fire Fighting Measure :**

Suitable Extinguishing Media : Water, foam and powder extinguisher.

Special Exposure Hazards :

Formation of carbon monoxide, nitrogen oxides, isocyanate vapors and traces of hydrogen cyanate may occur.

Special Extinguishing Procedure : --

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, then fill into container by shovel.

**CHWEN SHYANG ENTERPRISE CO., LTD.**

TEL 886-3-4389676

FAX:886-3-4389686

純祥實業股份有限公司

桃園.台灣 Taoyuan, Taiwan 33758

**CH-1001**

Handling : Ensure efficient exhaust ventilation in the working area. avoid heating or misting of the vapor.
Storage : Keep container tightly closed and store between 5°C and 40°C .

## 八、 Exposure Control / Personal Protection

Engineering Control :
Control Factor : ·TWA/STEL/CEILING : TWA: -- ·Biotic Index : LD : --
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 clothes must be changed immediately. Wash hands after work is completed.

## 九、 Physical and Chemical Properties / Characteristics

Appearance : Liquid	Form : --
Colour : Colourless transparent	Odour : Odorless
pH value : NA	Boiling Point / Boiling Range: :
Decomposition Temperature : --	Flash Point : -- Test Method : <input type="checkbox"/> Open Cup <input type="checkbox"/> Close Cup
Spontaneous Temperature : --	Exposure Limits : --
Vapor Pressure : --	Vapor Density : -- (Air=1.0)
Specific Gravity : 1.05 – 1.10	Solubility in Water : Miscible

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CH-1001

Stability : Good.
Special Conditions of Hazardous Reaction : CO2 generates when mixed with water, the sealed container may dialate and break due to the increase of the inner pressure..
Condition to Avoid : Mix with acids, alkalis or alcohols will lead to exothermic reaction.
Incompatibility : Acids, alkalis.
Hazardous Decomposition Products: Formation of combustibile and noxious fumes fumes during thermal decomposition.

**十一、 Toxicological Information**

Acute Toxicity : -
Local Effects : -
Sensitive : --
Chronic : Longer contact with skin, tanning and irritating effects are possible.
Exceptional Effect :

**十二、 Ecological Information**

Possibility of Environmental Impact/Move : Hazardous to water. Must not enter the waters, drains or ground.
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**十三、 Disposal Information**

Disposal Information: Should be disposed of at appropriate incineration unit observing official local regulations.
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**十四、 Transport Information**

International Transport Regulation : DOT, IATA/ICAO, IMDG/IMO
The United Nations Number (Un-No) : **
Internal Transport regulation : <b>①</b> <b>②</b> <b>③</b>
Special Transport Way and Note : Keep away from foodstuffs, acids and alkalis. Put between 5 and 40 .

**十五、 Regulation Information**

Apply Regulation : --
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**十六、 Other Information**

Reference	---
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 純祥實業股份有限公司

FAX:886-3-4389686  
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