

# 物質安全資料表

## 一、物品與廠商資料

成品 MSDS A-002 1/4

物品名稱：硬質膠合劑(硬膠)

其它名稱：Vinyl adhesive for rigid vinyl products

建議用途及限制使用：PVC管與PVC管及管件之接合,各種硬質PVC製品接著

製造商或供應商名稱・地址及電話：南亞塑膠公司林園廠，高雄縣林園鄉工業一路六號

緊急聯絡電話/傳真電話：(07)6419911-683 / (07)6432546 張元亨

## 二、危害辨識資料

物品危害分類：易燃液體第2級,急毒性物質第4級(吞食),急毒性物質第4級(皮膚),嚴重損傷/刺激  
眼睛物質第2級

標示內容：



象 徵 符 號：火焰,驚嘆號

警 示 語：危險

危害警告訊息：

高度易燃液體和蒸氣

吞食有害

皮膚接觸有害

造成眼睛刺激

危害防範措施：

緊蓋容器

遠離引火源-禁止吸煙

置容器於通風良好的地方

戴上合適得手套

避免與眼睛接觸

勿吸入氣體/煙氣/蒸氣/霧氣

勿讓小孩接觸

其它危害：-

## 三、成份辨識資料

純物質：

中英文名稱：

同義名稱：

化學文摘社登記號碼(CAS No.):

危害物質成份(成份百分比):

混合物

化學性質	
危害物質成份之中英文名稱	濃度或濃度範圍(成份百分比)
環己酮(Cyclohexanone)	53~63%
乙酸乙酯(Ethyl acetate)	25~35%

四、急救措施

不同暴露途徑之急救方法:

~吸入:大量吸入導致昏迷,應移至新鮮空氣處,必要時施以人工呼吸或氧氣並立即送醫。

~皮膚接觸:皮膚接觸應脫去衣物以大量清水及肥皂徹底洗淨,再以溫水沖洗 15 分鐘,若患者有不良影響或刺激發生應即送醫。

~眼睛接觸:眼睛立即以大量清水沖洗 20~30 分鐘,並不時將上下眼皮掀開以徹底洗淨,若患者有疼痛,眨眼,流眼淚,紅腫等現象須立即送醫

~食入:若大量吞食而患者尚有知覺時,則餵以約 240~300ml 的水,不可催吐,患者即將或已失去意識,或溼漉勿餵食並即送醫

最重要症狀及危害效應

對急救人員之防護:

對醫師之提示:

五、滅火措施

適用滅火劑:噴水,CO2,化學乾粉,泡沫

滅火時可能遭遇之特殊危害:氣爆

特殊滅火程序:1.滅火人員需穿著適當的防護器具和正壓自攜式供氣呼吸具,在上風安全處滅火 2.用水霧救火可能無效,但可用以冷卻近火場容器,掩護人員以免灼傷,和沖散漏出而尚未著火之蒸氣

消防人員之特殊防護設備:應戴呼吸器以避免吸入蒸氣

六、洩漏處理方法

個人應注意事項:1.救災人員須穿著適當個人防護器具和保持通風良好

環境注意事項:避免污染物流入下水道或公共水體

清理方法:1 移開所有引火源,送於焚化爐中焚化,如和更易燃的溶劑(需可互溶,乾淨,低黏度)混合,焚化當更易,注意避免突然熄火。 2.於合格的垃圾掩埋場處理固體廢棄物 3.雇用合格的運輸業者

七、安全處置與儲存方法

處置:1.操作中勿戴隱形眼鏡,應使用合格適當之防護器具,並每日檢查是否有破損,隨時更新,避免吸入蒸氣與接觸

2.維修時應使用無火花工具,穿著鞋底鑲有金屬片的人員,禁止進入作業場所

儲存:1.容器保持緊密,避免與濕氣接觸,限制儲存時間。  
2.儲存於陰涼、乾燥、通風良好的地方,遠離火源,熱源,強氧化物,避免外來物質污染並做好防止靜電措施

### 八、曝露預防措施

工程控制:1.單獨使用不產生火花,接地的通風系統.2.排氣口直接通到室外,並採取保護環境的重要措施.3.大量使用此物質時可能需要局部排氣裝置和製程密閉.4.供給充分新鮮空氣以補充排氣系統抽出的空氣.

控制參數			
八小時日時量平均容許濃度 TWA	短時間時量平均容許濃度 STEL	最高容許濃度 CEILING	生物指標 BEIS

#### 個人防護設備

- ~呼吸防護:防護口罩
- ~手部防護:PVC手套
- ~眼睛防護:化學防護護目鏡
- ~皮膚及身體防護:防滲衣服,長裙,長靴

衛生措施:1.任何有潛在曝露危險地方之附近需設置緊急沖眼器,安全淋浴設備

- 2.工作場所應換著工作服,衣物被污染時須迅速脫掉,並於下次使用前徹底洗淨,鞋襪因無法徹底洗淨,需予丟棄
- 3.養成良好的個人衛生習慣,並在進食,抽煙,如廁前須先以肥皂和清水徹底將手洗乾淨
- 4.工作後使用充足的肥皂和清水淋浴洗淨

### 九、物理及化學性質

外觀(物質狀態,顏色等): 糊狀物 無色	氣味: 芳香 族味道
嗅覺閾值:	熔點:
Ph 值:無	沸點/沸點範圍: 77 °C
易燃性(固體,氣體):	閃火點: -4.4 °C
分解溫度	測試方法: 開杯 閉杯
自燃溫度	爆炸界限: 1.1~11.5%
蒸氣壓: 39 mmHg	蒸氣密度: 3.2 (空氣=1)
密度 0.95	溶解度: 不溶於水
辛醇/水分配係數(log kow)	揮發速率:

### 十、安定性及反應性

安定性:是
特殊狀況下可能之危害反應:不會發生
應避免之狀況:與熱,陽光直射
應避免之物質:強氧化劑,磺酸
危害分解物:火鏈中會放出煙霧,CO,CO2,Cl2

### 十一、毒性資料

暴露途徑:N/A
症狀:N/A
急毒性:N/A
慢毒性或長期毒性:N/A

十二、生態資料

生態毒性:N/A
持久性及降解性:N/A
生物蓄積性:N/A
土壤中之流動性:N/A
其他不良效應:N/A

十三、廢棄處置方法

<p>廢棄處置方法:1.於焚化爐中焚化,如和更易燃的溶劑(需可互溶,乾淨,低黏度)混合,焚化當更易,注意避免突然熄火。2.於合格的垃圾掩埋場處理固體廢棄物 3. 雇用合格的運輸業者</p>
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十四、運送資料

聯合國編號:1133
聯合國運輸名稱:黏著劑
運輸危害分類:3
包裝類別:
海洋污染物(是/否):
特殊運送方法及注意事項:避免與不相容物共同運送

十五、法規資料

適用法規
1.危險物與有害物標示及通識規則
2.道路交通安全規則

十六、其它資料

參考文獻	
製表單位	名稱:南亞塑膠工業股份有限公司林園廠
製表人	地址/電話:高雄縣林園工業區工業一路6號 tel:(07)6419911-650
製表日期	職稱:課長
	97年11月01日
	姓名(簽章):鄭文龍
備註	上述資料中符號“*”代表目前並無相關資料,而符號“/”代表此欄位對該物質並不適用

## MATERIAL SAFETY DATA SHEET

### 1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

<b>PRODUCT NAME:</b> VINYL ADHESIVE (for rigid vinyl products)
<b>TRADE NAME :</b> ASAF
<b>Manufacturer/supplier:</b>
Company Name: NAN YA PLASTICS CORPORATION
Address: No.6 KONG YEH 1st ROAD 832 LIN YUAN HSIANG KAOHSIUNG
HSIEN TAIWAN R.O.C.
Emergency Telephone / Fax No.: 886-7-6419911-683 / 886-7-6432546

### 2. COMPOSITION/INFORMATION ON INGREDIENTS

MIX SUBSTANCE			
Component (s)	Catalogue of Hazards	C. A. S. No.	Percentage
ETHYL ACETATE	3	flammmable 141-78-6	53.0%~63.0%
CYCLOHEXANE	3	flammmable 108-94-1	25.0%~35.0%
POLYVINYL CHLORIDE RESIN			10.0%UP

### 3. HAZARDOUS IDENTIFICATION

<b>Warning :</b>	<b>Protective Measures :</b>
Irritation to the skin, eyes and respiratory tract.	○Avoid contact with the skin, eyes and wear proper skin protection
○May be absorbed through the skin	
Critical Hazards: Flammable liquid and vapor. Vapor may ignite explosively.	
Class / Division: 3 FLAMMABLE	

### 4. FIRST AID MEASURES

<b>Inhalation:</b> remove person to fresh air. if breathing is difficult , provide oxygen and seek medical attention
<b>Skin Contact:</b> Take off the clothing and wash with water and soap, and flush with warm water for 15 minutes, Call physician.
<b>Eye contact:</b> Flush eyes with a large amount of water for 20~30 minutes, Call physician.
<b>Ingestion:</b> Get immediate medical attention.
Suck or taking will cause toxicity.

### 5. FIRE FIGHTING MEASURES

<b>EXTINGUISHING MEDIA/ FIRE FIGHTING PROCEDURES</b>
Use the following extinguishing media when fighting fires involving this

material: **water fog, foam, dry chemical, or carbon dioxide.**

Special risk: Explosive when organic vapor heated.

**Special extinction procedures:**

1. Fire involving should be fought upwind and wear a suitable set of protective clothing.
2. Water spray may be used to cool fire exposed containers, but the spray may not extinguish fire.

Firefighters should wear a self-contained breathing apparatus and breathe the vapor.

## **6. ACCIDENTAL RELEASE MEASURES**

### **RELEASE RESPONSE**

Remove unnecessary personnel from the area. Avoid inhalation of the vapors and contact

With the skin. Avoid leakage to the drainage system. Contain with an absorbent material and transfer to a suitable container for disposal.

### **PERSONAL PROTECTIVE EQUIPMENT**

Wear chemical splash goggles, impervious body covering and rubber gloves. Wear an air-purifying respirator equipped with cartridges for protection against organic vapors.

### **CONTAINMENT AND CLEANING:**

1. Promptly remove ignition sources, both actual and potential.
2. Small spills may be absorbed with dry earth or sand, or wiped off with rag, and placed into a chemical waste containers.
3. In case of large spills, dike with earth or sand to guide the flow to a safe area for collection and recovery
4. To burned in the incinerator.
5. To bury the solid wastes in the qualified waste yard.
6. To freight with the qualified transportation.

## **7. HANDING AND STORAGE**

**Handling:** 1. When using do not wear contact lens. Always wear protect equipments.

2. After handling wash hands thoroughly and change the contaminated clothing.
3. Pay attention to the management of empty containers as well.
4. Prevent generation of static electricity. Clothing and work shoes must be electroconductive.
5. Ground and bond containers when transferring material.
6. Wear rubber gloves, protective mask

**Storage:** 1. Store in a ventilated area.

2. The product content low flash point evaporated solvent, when it is applied, fire is prohibited.
3. Electrical equipment must be of explosion–proof construction and ground.
4. Keep away from ignition sources, high temperatures as boiler, and oxidizing materials.

## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION OCCUPATIONAL EXPOSURE LIMITS

Not established

## ENGINEERING CONTROL MEASURES

Use local exhaust ventilation if material is heated or missing.

## PERSONAL PROTECTION EQUIPMENT:

Respiratory Protection:

Hand Protection:

Eye Protection: Use safety chemical goggles

Skin & Body Protection: Use Anti-splash Clothing

Industrial Hygiene:

1. To install emergency eye wash fountains and shower at the potential exposed zone.
2. Thoroughly wash the polluted clothing before next use.
3. A worker who handles P.S.A. should thoroughly wash hands with soap and water before eating, using tobacco products, using toilet facilities.
4. Always take shower with clean water and soap after work.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

Form: Liquid	Color: transparent	Odor : ketone
P.H. Value:	Boiling Range: 77 °C	Decomposition Temperature:
Flash Point: – 4.4°C	Explosion Limits: 1.1~11.5%	Solubility in water: uncompletely soluble
Specific Gravity: 0.95	Vapor Pressure: 39mmHg	Melting point:

## 10. STABILITY AND REACTIVITY

Chemical Stability: Stable

Possible hazardous reaction under extreme conditions: Will not occur  
Conditions to avoid : heat

Decomposition: Smog, CO, CO<sub>2</sub>.

Incompatibility with other materials:

## 11. TOXICOLOGICAL INFORMATION

Not determined.

**12. ECOLOGICAL INFORMATION**

BIODEGRADATION: Not established
ACCUMULATIVENESS: N/A

**13. DISPOSAL CONSIDERATION**

Comply with all national or local recommendations and regulations.

**14. TRANSPORT INFORMATION**

International Transport Regulation: N/A	UN No. : 1133
Local Transport Regulation: N/A	Hazard class: 3
Special Transportation & Consideration: Avoid transported with incompatible goods.	

**15. REGULATORY INFORMATION**

Comply with each country's regulation.

**16. Other Information**

The data here is based on our current knowledge and experience. The data can be revised by new information. The purpose of this Safety Data Sheet is to describe the products from the point of view of safety requirements. Therefore it should not be construed as guaranteeing specific properties.

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Chen wen long (Factory Director)

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