

# SAFETY DATA SHEET

ASAA

## SECTION I: IDENTIFICATION

Product PVC Plastic Pipe Cement  
 Recommended Use of the Product Solvent Cement for PVC Plastic Pipe  
 Restrictions on Use Food

### Manufacturing and Distributing Company

Name of the Manufacturer NAN YA PLASTICS CORPORATION  
 Address of the Manufacturer No.6 KONG YEH 1st ROAD . 832 LIN YUAN SHIANG , KAOHSIUNG COUNTY  
 TAIWAN R.O.C.  
 Phone Number of the Manufacturer (886)-(07)6419911-650  
 Emergency Phone number of the Manufacturer in case of emergency (886)-(07)6419911-693  
 (Mondays to Fridays 8:00am to 5:00pm)

**In case of emergency, contact**  
**NATIONAL POISON MANAGEMENT AND CONTROL CENTER**  
**PHILIPPINE GENERAL HOSPITAL (PGH), MANILA**  
**Telephone no. (+63) 02 8524 1078; 8554 8400 (local 2311)**  
**The Local Poison Management and Control Center**

## SECTION II: HAZARD(S) IDENTIFICATION

### GHS Classification

H225 Flammable liquids(Category 2)  
 H302 Acute toxicity, oral (Category 4)  
 H312 Acute toxicity, dermal (Category 4)  
 H315 Skin corrosion/irritation(Category 2)  
 H319 Serious eye damage/eye irritation (Category 2A)  
 H332 Acute toxicity, inhalation (Category 4)  
 H335 Specific target organ toxicity, single exposure; Respiratory tract irritation (Category 3)

### Hazard Statement Codes

H225 、 H302 、 H312 、 H315 、  
 H319 H332 、 H335

### GHS Label Element



### UN Model Regulations Pictogram

#### Signal Word

#### Hazard Statements

H225 Highly Flammable liquid and vapor  
 H302 Harmful if swallowed  
 H312 Harmful in contact with skin  
 H315 Causes skin irritation  
 H319 Causes serious eye irritation

GHS07 、 GHS02

Danger

H332	Harmful if inhaled
H335	May cause respiratory irritation

#### Precautionary Statements

P102	Keep out of reach of children
P210	Keep away from heat, hot surface, sparks, open flames and other ignition sources. No smoking.
P233	Keep container tightly closed.
P240	Ground/bond container and receiving equipment.
P241	Use explosion-proof [electrical/ventilating/lighting/...] equipment.
P242	Use only non-sparking tools.
P243	Take precautionary measures against static discharge.
P280	Wear protective gloves/protective clothing/eye protection/face protection/hearing protection/...
P264	Wash hands [and ...] thoroughly after handling.
P265	Do not touch eyes.
P270	Do not eat, drink or smoke when using this product
P271	Use only outdoors or in a well-ventilated area.
P261	Avoid breathing dust/fume/gas/mist/vapors/spray.

### SECTION III: COMPOSITION / INFORMATION ON INGREDIENTS

(note: concentration shown in range to protect confidentiality)

CAS No.	Chemical Name	% w/w	Hazard Classification Code
141-78-6	Ethyl Acetate	38.0~50.0	Flammable Liquid Category 2 Highly flammable liquid and vapor (H225)
108-94-1	Cyclohexanone	40.0~57.0	CLASS 3: Flammable liquid
9002-86-2	Polyvinyl Chloride	10.0~12.0	Did not meet the criteria for classification

### SECTION IV: FIRST-AID MEASURES

#### Contact with eyes:

Flush eyes immediately with plenty of water for 15 minutes and seek medical advice immediately.

#### Skin contact:

Remove contaminated clothing and shoes. Wash skin thoroughly with soap and water. If irritation develops, seek medical advice.

#### Inhalation:

Remove to fresh air. If breathing is stopped, give artificial respiration. If breathing is difficult, give oxygen.

Seek medical advice.

#### Ingestion:

Rinse mouth with water. Give 1 or 2 glasses of water or milk to dilute. Do not induce vomiting. Seek medical advice immediately.

#### Likely Routes of Exposure:

Inhalation, Eye and Skin Contact

#### Acute symptoms and effects:

##### Inhalation:

Severe overexposure may result in nausea, dizziness, and headache. Can cause drowsiness, irritation of eyes and nasal passages.

##### Eye Contact:

Vapors slightly uncomfortable. Overexposure may result in severe eye injury with corneal or conjunctival inflammation on contact with the liquid.

##### Skin Contact:

Liquid contact may remove natural skin oils resulting in skin irritation. Dermatitis may occur with prolonged contact.

##### Ingestion:

**May cause nausea, vomiting, diarrhea and mental sluggishness**

**Important note:**

---

## **SECTION V: FIRE-FIGHTING MEASURES**

**Suitable Extinguishing Media:**

**Dry chemical powder, carbon dioxide gas, foam, Halon, water fog.**

**Unsuitable Extinguishing Media:**

Water spray or stream.

**Exposure Hazards:**

Inhalation and dermal contact

**Combustion Products:**

Oxides of carbon, hydrogen chloride and smoke

**Protection for Firefighters:**

Self-contained breathing apparatus or full-face positive pressure airline masks.

---

## **SECTION VI: ACCIDENTAL RELEASE MEASURE**

**Personal precautions:**

Keep away from heat, sparks and open flame.

Provide sufficient ventilation, use explosion-proof exhaust ventilation equipment or wear suitable respiratory protective equipment.

Prevent contact with skin or eyes (see section 8).

**Environmental Precautions:**

Prevent product or liquids contaminated with product from entering sewers, drains, soil or open water course.

**Methods for Cleaning up:**

Clean up with sand or other inert absorbent material. Transfer to a closable steel vessel.

**Materials not to be used for clean up:**

Aluminum or plastic containers

---

## **SECTION VII: HANDLING AND STORAGE**

**Handling:**

Avoid breathing of vapor, avoid contact with eyes, skin and clothing.

Keep away from ignition sources, use only electrically grounded handling equipment and ensure adequate ventilation/fume exhaust hoods.

Do not eat, drink or smoke while handling.

**Storage:**

Store in ventilated room or shade below 44°C (110°F) and away from direct sunlight.

Keep away from ignition sources and incompatible materials: caustics, ammonia, inorganic acids, chlorinated compounds, strong oxidizers and isocyanates.

Follow all precautionary information on container label, product bulletins and solvent cementing literature.

## SECTION VIII: EXPOSURE CONTROLS/PERSONAL PROTECTION

### Control Parameters

Component	CAS-No.	Value	Control parameters	Basis
ethyl acetate	141-78-6	TWA	400 ppm 1,440 mg/m <sup>3</sup>	Standards of Permissible Exposure Limits in Workplace
		STEL	500 ppm 1,440 mg/m <sup>3</sup>	Standards of Permissible Exposure Limits in Workplace
Cyclohexanone	108-94-1	TWA	25 ppm 100 mg/m <sup>3</sup>	Standards of Permissible Exposure Limits in Workplace
		Remarks	Skin	
		STEL	37.5 ppm 125 mg/m <sup>3</sup>	Standards of Permissible Exposure Limits in Workplace

### Engineering Controls:

Monitoring:

### Personal Protective Equipment

#### (PPE):

Eye Protection

Skin Protection:

Respiratory Protection

### Use local exhaust as needed.

Maintain breathing zone airborne concentrations below exposure limits.

Avoid contact with eyes, wear splash-proof chemical goggles, face shield, safety glasses (spectacles) with brow guards and side shields, etc. as may be appropriate for the exposure.

Prevent contact with the skin as much as possible. Butyl rubber gloves should be used for frequent immersion.

Use of solvent-resistant gloves or solvent-resistant barrier cream should provide adequate protection when normal adhesive application practices and procedures are used for making structural bonds.

Prevent inhalation of the solvents. Use in a well-ventilated room. Open doors and/or windows to ensure airflow and air changes. Use local exhaust ventilation to remove airborne contaminants from employee breathing zone and to keep contaminants below levels listed above.

With normal use, the Exposure Limit Value will not usually be reached. When limits approached, use respiratory protection equipment

## SECTION IX: PHYSICAL AND CHEMICAL PROPERTIES

Appearance	Clear, regular syrupy liquid
Odor	Ketone
Odor Threshold	0.88 ppm (Cyclohexanone)
pH Value (at 25°C)	Not Applicable
Freezing /Melting Point	-83.6°C Based on first melting component : Ethyl acetate
Boiling Point	77°C Based on first boiling component: Ethyl acetate
Flash Point	-4°C based on Ethyl acetate
Flammability	Category 2
Upper flammability/explosive limits	UEL: 11.5% based on Ethyl acetate
Lower flammability/explosive limits	LEL: 1.1% based on Cyclohexanone

Auto-ignition temperature	420°C based on Cyclohexanone
Decomposition temperature	Not Applicable
Vapor Pressure	73 mm Hg @ 20°C (68°F) Ethyl acetate
Vapor Density	>2.0 (Air = 1)
Relative Density	0.95
Solubility	Solvent portion soluble in water. Resin portion separates out
Partition coefficient ( <i>n-octanol/water</i> )	Not Available

## SECTION X: STABILITY AND REACTIVITY

Chemical Stability	Stable
Conditions to Avoid	Keep away from heat, sparks, open flame and other ignition sources.
Materials to Avoid/Incompatible Materials	Oxidizers, strong acids and bases, amines, ammonia
Hazardous Decomposition Products	None in normal use. When forced to burn, this product gives off oxides of carbon, hydrogen chloride and smoke.

## SECTION XI: TOXICOLOGICAL INFORMATION

### Product Information

Acute Toxicity	LD50	LC50
Cyclohexanone	Oral: 1535 mg/kg (rat), Dermal: 948 mg/kg (rabbit)	Inhalation 4 hrs. 8,000 PPM (rat)
Ethyl acetate	Oral : 5,620 mg/kg (Rat), Dermal > 20,000 mg/kg (Rabbit - male )	No data available

Reproductive Effects	Teratogenicity	Mutagenicity	Embryotoxicity	Sensitization to Product	Synergistic Products
Not Established	Not Established	Not Established	Not Established	Not Established	Not Established

## SECTION XII: ECOLOGICAL INFORMATION

Ecotoxicity	None Known
Degradability	Not readily biodegradable
Bioaccumulation:	Minimal to none
Mobility	In normal use, emission of volatile organic compounds (VOC's) to the air takes place, typically at a rate of < 600 g/l.

## SECTION XIII: DISPOSAL CONSIDERATIONS

Follow local and national regulations. Consult disposal expert.

## SECTION XIV: TRANSPORT INFORMATION

UN Number	1133
UN Proper Shipping Name	Adhesives
Transport Hazard Class	3
Packing Group	PG II
Marine Pollutant	NO

---

**SECTION XV: REGULATORY INFORMATION**

Precautionary Label Information: Highly Flammable, Irritant, Carc. Cat. 2  
Risk Phrases: R11: Highly flammable  
R36/37: Irritating to eyes and respiratory system.

**Safety Phrases:**

S2: Keep out of the reach of children  
S25: Avoid contact with eyes.  
S9: Keep container in a well-ventilated place.  
S26: In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.  
S16: Keep away from sources of ignition - No smoking.  
S33: Take precautionary measures against static discharges.

---

**SECTION XVI: OTHER INFORMATION**

Manufacturer: Nan Ya Plastics Corporation,.  
No.6, Kong Yeh 1st Rd., 832 Lin Yuan Shiang Kaohsiung County , Taiwan (R.O.C.)  
Tel: (886)-(07)6419911 EXT 650 Fax: (886)-(07) 6432546  
Intended Use of Product: Solvent Cement for PVC Plastic Pipe

DATE OF SDS: 2 Feb. 2024