

# Material Safety Data Sheet (MSDS)

In accordance with GHS Rev. 6 and The EU CLP REGULATION (EC) No 1272/2008

## Section 1 - Chemical Product and Company Identification

### 1.1 Product Identification:

Product Name: Acrylic spray paint Aster®  
Product Model: AP-190, AP-005, AP-061, AP-041, AP-022, AP-036, AP-037, AP-004, AP-039, AP-040, AP-006

### 1.2 Relevant identified uses of the substance or mixture and uses advised against

Identified uses: Spray paint  
Use advised against: No data available.

### 1.3 Details of the Manufacture or supplier

Manufacture: LINYI JOINT NATURE CHEMICAL CO., LTD.  
Address: MIDDLE OF №2 GONGYE ROAD, LANSHAN INDUSTRIAL PARK,  
LANSHAN DISTRICT, LINYI, SHANDONG, PRC, 276015, CHINA

### 1.4 Emergency telephone number

Emergency Telephone: +86-13562968981

## Section 2 - Hazards Identification

### 2.1 Classification of the substance or mixture

GHS Classification: Flammable aerosol (Category 2)  
Specific target organ toxicity - single exposure (Category 3),  
Central nervous system Carcinogenicity (Category 2)

### 2.2 GHS Label elements, including precautionary statements

GHS Labels:

**Pictogram(s):**



**Signal Word:**

Warning

**Hazard Statement:**

H223: Flammable aerosol

H315: Causes skin irritation

H319: Causes serious eye irritation

H336: May cause drowsiness or dizziness.

H351: Suspected of causing cancer

**Precautionary statement(s)**

**Prevention precautionary statements :**

P201: Obtain special instructions before use

P202: Do not handle until all safety precautions have been read and understood

P210: Keep away from heat/sparks/open flames/hot surfaces – No smoking

P211: Do not spray on an open flame or other ignition source

P251: Pressurized container – Do not pierce or burn, even after use

P260: Do not breathe dust/fume/gas/mist/vapours/spray.

P264: Wash thoroughly after handling.

P280: Wear protective gloves/protective clothing/eye protection/face protection

P281: Use personal protective equipment as required

**Response Precautionary Statements:**

P303+361+353: IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower

P333+313: If skin irritation or a rash occurs: Get medical advice/attention.

P362: Take off contaminated clothing and wash before reuse.

P304 + P340 + P312: IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing. Call a POISON CENTER or doctor/physician if you feel unwell.

P305+P351+P338: If in eyes: Rinse cautiously with water for several minutes.

Remove contact lenses, if present and easy to do, continue rinsing.

P337+313: If eye irritation persists get medical advice/attention.

P370+378: In case of fire: Use Sand, alcohol-resistant foam, dry chemical or carbon dioxide for extinction.

P308+313: IF exposed or concerned: Get medical advice/attention

P314: Get Medical advice/attention if you feel unwell

**Storage Precautionary Statements:**

P403+233: Store in a well ventilated place. Keep container tightly closed

P405: Store locked up

P410+412: Protect from sunlight. Do not expose to temperatures exceeding 50 °C/122 °F.

**Disposal Precautionary**

P501: Dispose of contents and container in accordance with local/regional/national

**Statements:** /international regulations.

### 2.3 Description of any hazards not otherwise classified

None. See section 11 for more detailed information on health effects and symptoms.

## Section 3 - Composition/Information on Ingredient

Substance ☐ Preparation ☒ Article ☐

Composition:

Chemical name	CAS No.	Content (%)
Xylene	1330-20-7	2-5
Dichloromethane	75-09-2	20-40
Ethyl acetate	141-78-6	40-55
2-Propenoic acid, homopolymer	9003-01-4	10-20
Dimethyl ether	115-10-6	20-40

Abbreviation: CAS No. is Chemical Abstract Service Registry Number.

## Section 4 - First Aid Measures

### 4.1 Description of first aid measures:

**Eye Contact:**

**Skin Contact:**

**Inhalation:**

**Ingestion:**

**4.2 Most**

**important**

**symptoms and**

**effects, both**

**acute and**

**delayed**

Immediately flush eyes with plenty of water for at least 15 minutes, occasionally lifting the upper and lower eyelids. If irritation occurs and persists, contact a

Remove and isolate contaminated clothing and shoes. Wash off with soap and plenty of water. If irritation occurs, contact a doctor.

Move person into fresh air. If breathing is difficult, give oxygen. If not breathing give artificial respiration. Get medical attention if feel unwell.

If the person is conscious, wash out mouth with water. Never give anything by mouth to an unconscious person. Consult a physician attention and get medical

The most important known symptoms and effects are described in section 2 and section 11.

### 4.3 Indication of any immediate medical attention and special treatment needed

Treat symptomatically and supportively.

## Section 5 - Extinguishing media

### 5.1 Extinguishing media

**Suitable extinguishing media:** Use alcohol-resistant foam, dry chemical or carbon dioxide. Use water fog to cool the unopened containers involved in fire.

**Unsuitable extinguishing media:** Do not use a solid water stream as it may scatter or spread fire.

### 5.2 Special hazards arising from the substance or mixture

Liquid and vapor are flammable. Remove all fire source. Vapor can form explosive mixture with air. Vapor may travel to source of ignition and flash back. Containers may explode when heated. Gives off irritating fumes (or gases) and combustion product (Carbon oxides, chloride) in a fire.

### 5.3 Advice for firefighters

Evacuate personnel to safe areas. As in any fire, Wear self-contained breathing apparatus and full protective gear for firefighting. Fire fighting from a safe distance.

### 5.4 Further information

Standard chemical firefighting measure. Use water fog to cool down unopened container involved in fire. Prevent fire extinguishing water from contaminating surface water or the ground water source.

## Section 6 - Accidental Release Measures

For guidance on selection of personal protective equipment see Chapter 8 of this Material Safety Data Sheet. See Chapter 13 for information on disposal. Observe the relevant local and international regulations.

### 6.1 Personal precautions, protective equipment and emergency procedures:

Evacuate area. Ventilate area. Avoid direct contact with spillage. Avoid inhaling vapor. Use suitable personal protective equipment.

### 6.2 Environmental precautions:

Prevent further leakage or spillage if safe to do so. Do not let product enter drains.

### 6.3 Methods and materials for containment and cleaning up:

Small quantities may be contained by inert material (sand, diatomite, acid binders, universal binders, sawdust). For large spills, dike spilled material or otherwise contain material to ensure runoff does not reach a waterway. Gather the spilled product and keep in suitable, closed containers for recycle or disposal (see section 13).

## Section 7 - Handling and Storage

### 7.1 Precautions for safe handling:

The usual precautionary measures for handling chemicals should be followed.  
Use in well-ventilated area.  
Use appropriate, approved safety equipment as in section 8.  
Avoid contact with skin and eyes. Avoid breathing vapor or mist.  
Wash thoroughly after handling.  
Keep away from heat/sparks/open flames/overheat .  
Keep container tightly closed when not in use.  
Do not eat, drink or smoke at the workplace.  
Keep away from strong oxides. Equip with fire fight and accidental release equipment.  
For precautions see section 2.

#### 7.2 Conditions for safe storage, including any incompatibilities:

Store in cool place. Keep container tightly closed in a dry and well-ventilated place. Store away from foodstuffs. Do not store together with incompatible materials. Keep away from heat/sparks/open flames/overheat . Avoid direct sunlight. Equip with fire fight and accidental release equipment in storage area.

## Section 8 - Exposure Controls, Personal Protection

### 8.1 Exposure Limits:

Substance	CAS No.	OSHA PEL	NIOSH REL	ACGIH
Xylene	1330-20-7	100 ppm; 435 mg/cm <sup>3</sup>	TWA:100 ppm STEL:150 ppm	TWA:100 ppm STEL:150 ppm
Dichloromethane	75-09-2	-	Potential occupational carcinogens	50 ppm
Ethyl acetate	141-78-6	1000 ppm; 1900 mg/cm <sup>3</sup>	1000 ppm	STEL: 1000 ppm

### 8.2 Exposure controls

**Engineering Control:** General industrial hygiene practice. Provide appropriate exhaust ventilation. Provide safe shower and eye wash fountain.

#### Personal protective equipment:

**Respiratory Protection:** Where risk assessment shows air-purifying respirators are appropriate use a full-face respirator with multi-purpose combination (US) or type ABEK (EN 14387) respirator cartridges as a backup to engineering controls. If the respirator is the sole means of protection, use a full-face supplied air respirator. Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU).

**Eyes Protection:** Use face shield and safety glasses if in-eye risk exists. Use equipment for eye protection tested and approved under appropriate government standards such as NIOSH (US) or EN 166(EU).

**Body Protection:** Wear chemical resistant complete suit, The type of protective equipment must be selected according to the concentration and amount of the dangerous substance at the specific workplace.

**Hands Protection:** Handle with chemical-resistant gloves. Use proper glove removal technique (without touching glove's outer surface) to avoid skin contact with this product.

**Other Protections:** Handle in accordance with good industrial hygiene and safety practice. Wash hands before breaks and at the end of workday.

## Section 9 - Physical and Chemical Properties

Information on basic physical and chemical properties	
Appearance	Aerosol
Color	Various color
Odor	Weak odor
pH	Not available.
Melting point/freezing point	Not available.
Initial boiling point and boiling range	Not available.
Flash point	Not available
Evaporation rate	Not available.
Flammability	Flammable
Upper explosive limit %(V/V)	2.2%- Ethyl acetate
Lower explosive limit %(V/V)	11.5%- Ethyl acetate
Vapor pressure	Not available.
Vapor density	Heavier than air.
Relative density	Not available.
Solubility(ies)	Partly soluble in water.
Partition coefficient: n-octanol/water	Not available.
Auto-ignition temperature	Not available
Decomposition temperature	Not available.
Viscosity	Not available.

## Section 10 - Stability and Reactivity

**10.1 Stability:** Stable under normal storage temperature and pressure.

**10.2 Conditions to Avoid:** Heat, flames and mars. Avoid direct sunlight.

**10.3 Incompatible materials:** Strong oxidants.

**10.4 Hazardous Decomposition Products:** Other decomposition products- no data available. In the event of fire: see section 5.

**10.5 Possibility of hazardous reactions:** None hazardous reactions known under normal condition.

## Section 11 - Toxicological Information

### Acute Toxicity:

Substance	CAS No.	LD50 oral - rat	LC50 inhalation - rat	LD50 skin - rabbit
Xylene	1330-20-7	4300mg/kg	5000ppm/4h	> 1700mg/kg
Dichloromethane	75-09-2	1600mg/kg	52000mg/m <sup>3</sup>	-
Ethyl acetate	141-78-6	5620mg/kg	200000mg/m <sup>3</sup>	> 20mL/kg
Dimethyl ether	115-10-6	-	308000mg/m <sup>3</sup>	-

### Skin Corrosion/Irritation:

Causes skin irritation.

### Serious Eye Damage/Eye Irritation :

Causes serious eye irritation.

### Respiratory or Skin Sensitization

Based on available data, the classification criteria are not met.

### Germ Cell Mutagenicity

Based on available data, the classification criteria are not met.

### Carcinogenicity :

Dichloromethane: Suspected human carcinogen.

### Reproductive Toxicity :

Based on available data, the classification criteria are not met.

### Specific Target Organ Toxicity - Single

May cause drowsiness or dizziness.

### Exposure (Globally Harmonized System):

### Specific Target Organ Toxicity - Repeated

Based on available data, the classification criteria are not met.

### Exposure (Globally Harmonized System):

### Aspiration Hazard:

Based on available data, the classification criteria are not met.

### Potential Health Effects:

#### Inhalation:

May be harmful if inhaled vapor. May cause drowsiness or dizziness.

#### Skin Contact:

May be harmful if absorbed by skin. Causes skin irritation.

#### Eye Contact:

Causes serious eye irritation.

#### Ingestion:

Not an expected route of exposure.

## Section 12 - Ecological Information

### 12.1 Toxicity

No data available

### 12.2 Persistence and degradability

No data available

### 12.3 Bioaccumulative potential

No data available

### 12.4 Mobility in soil

No data available

### 12.5 Results of PBT and vPvB assessment

This substance/mixture contains no components considered to be either persistent, bioaccumulative and toxic (PBT), or very persistent and very bioaccumulative (vPvB) at levels of 0.1% or higher.

### 12.6 Other adverse effects

Do not allow materials to release to drains or water body.

## Section 13 - Disposal Considerations

### Waste treatment methods

#### Product

Recycle if possible. Offer surplus and non-recyclable products to a licensed disposal company. Observe according to the national and local related regulations.

#### Contaminated packaging

Containers may still present chemical hazard when empty. Return to supplier for recycling if possible. Keep away from heat. Pressurized container – Do not pierce or burn, even after use.

## Section 14 - Transport Information

### 14.1 UN Number :

ADR/RID, IMDG, IATA                      1950

14.2 UN proper shipping name:            AEROSOLS

**ADR/RID, IMDG, IATA**

**14.3 Transport hazard class(es):**

ADR/RID, IMDG, IATA 2.1

**14.4 Packing group:**

ADR/RID, IMDG, IATA Not applicable.

**14.5 Environmental hazards:** No.

**14.6 Special precautions for user :** No information available.

**Section 15 - Regulatory Information**

**EU Regulations**

**Classification according to Regulation (EC) No 1272/2008 [EU-GHS/CLP]**

Flammable aerosol (Category 2)

Skin irritation (Category 2)

Eye irritation (Category 2A)

Specific target organ toxicity - single exposure (Category 3), Central nervous system

Carcinogenicity (Category 2)

**US Regulations**

**TSCA Inventory Status:**

All of the components of this product are listed or exempt from the TSCA inventory.

**SARA Section 311/312 Hazard Classes**

Fire hazard, Acute health hazard, Chronic hazard

**International Chemical Substances list:**

CAS No.	EINEC	TSCA	DSL	IECSC	NZIoC	PICCS	KECI	AICS
All ingredients	All listed expect CAS#9003-01-4	listed	listed	listed	listed	listed	listed	listed

Note: EINECS: European Inventory of Existing Commercial Chemical Substances

TSCA: TSCA Chemical Substance Inventory

DSL: Canada Domestic Substance List

IECSC: Inventory of Existing Chemical Substances in China

NZIoC: New Zealand Inventory of Chemicals

PICCS: Philippines Inventory of Chemicals and Chemical Substances

KECI: Korea Existing Chemicals Inventory

AICS: Australian Inventory of Chemical Substances

## Section 16 - Additional Information

### Abbreviations:

pH-	Relates to hydrogen ion concentration - this value will relate to a scale of 0 - 14, where 0 is highly acidic and 14 is highly alkaline
OSHA-	Occupational Safety and Health Administration
NTP-	National Toxicology Program
IARC-	International Agency for Research on Cancer
CAS#-	Chemical Abstract Service number - used to uniquely identify chemical compounds
ACGIH-	The American Conference of Governmental Industrial Hygienists
ADR-	Agreement on Dangerous Goods by Road
IATA -	International Air Transport Association
IMDG-	International Maritime Dangerous Goods

### Further Information:

-This safety data sheet was prepared in accordance with UN GHS Rev.6, The EU CLP REGULATION (EC) No 1272/2008, and ANSI Z400.1.

-The above information is based on the data of which we are aware and is believed to be correct as of the data hereof. Since this information may be applied under conditions beyond our control and with which may be unfamiliar and since data made available subsequent to the data hereof may suggest modifications of the information, we do not assume any responsibility for the results of its use. This information is furnished upon condition that the person receiving it shall make his own determination of the suitability of the material for his particular purpose.