



# Chan Sieh Enterprises Co., Ltd.

Revision Date : Jun 07, 2020

## SAFETY DATA SHEET

### 1. IDENTIFICATION OF THE SUBSTANCE/PREPERATION AND THE COMPANY

**Product Name :** AR-520

**Chemical Name:** Solid Acrylic polymer for industrial use

**Manufacturer/ Supplier Information :**

Chan Sieh Enterprises Co., Ltd.  
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Taipei, TAIWAN 104  
R. O. C.

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### 2. COMPOSITION/INFORMATION ON INGREDIENTS

**Chemical Characterization:** Solid Acrylic Polymer **CAS No. :** 25133-97-5

Hazardous Component Name	Composition Percentage	Hazard Symbols
Acrylic Resin	99%	-
Water	1%	-

### 3. HAZARDS IDENTIFICATION

This health hazard assessment is based on a consideration of the composition of this product.

May cause eye irritation

### 4. FIRST AID MEASURES

**Skin Contact:** Wash with water.

**Eye Contact:** Immediately flush with plenty of water for 15 minutes, and obtain medical attention if still irritating.

**Inhalation:** Remove the patient to a place with fresh air. Obtain medical attention if ill effects occur.

**Ingestion:** Wash out mouth with water. Obtain medical attention if ill effects occur.

**Personal protection**

**for the first aid person:** Current unknown.

**Further medical treatment:** Symptomatic treatment and supportive therapy as indicated.

### 5. FIRE-FIGHTING MEASURES

**Not classed as flammable. If involved in a fire, it may emit noxious and toxic fumes.**

**Extinguish media:** Foam, CO<sub>2</sub>, dry powder, water spray.

**Special exposure hazards:** This product will support combustion, if ignited. Like all thermoplastic products, it will melt under fire conditions.

**Special precautions:** -

**Protective equipment:** -

## 6. ACCIDENTAL RELEASE MEASUREMENT

**Personal precautions:** Spilled particles present a severe slip hazard. Avoid contact with skin and eyes. Do not breathe dust.

**Environmental precautions:** Do not release to the environment.

**Methods for cleaning up:** Sweep up and shovel into waste container.

## 7. HANDLING AND STORAGE

**Handling precautions** Avoid contact with eyes. Do not breathe dust.

**Storage conditions** Store in a cool dry place.

## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

### Exposure controls:

Occupational exposure limit total dust: MAC 10 mg/m<sup>3</sup>.

Occupational exposure limit respirable dust: MAC 5 mg/m<sup>3</sup>.

### Personal protection equipment

**Respirators protection** yes, in airborne dusts.

**Hands protection** -

**Eyes protection** goggles (in dust).

**Skin protection** remove particles from skin to avoid plasticization by skin oil.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

<b>Type</b>	BMA/MMA copolymer
<b>Appearance</b>	White transparent; free flowing bead
<b>Odor</b>	Slight
<b>Specific gravity (water=1)</b>	1.0 – 1.1 (20°C)
<b>Total solids (%w/w)</b>	min. 98 %
<b>Average mol. Weight (Mw)</b>	20,000
<b>Acid value (mg KOH/g)</b>	8
<b>Tg (DSC: °C)</b>	53
<b>Softening point (Ring&amp;Ball)</b>	130 °C

**Viscosity Brookfield (25°C)** 30-200 mPas (40 w/w in toluene)  
**Density (20 °C; kg/l)** 1.11  
**Solubility in water (% by wt.)** Insoluble. Soluble in aromatics, esters and ketones  
**Vapor pressure (at 20°C)** not available  
**Flashing point** none  
**Explosion Limited** UEL : - LEL : -

## 10. STABILITY AND REACTIVITY

**Stability** Stable  
**Possible hazards at special condition** None  
**Conditions to avoid** None  
**Material to avoid** None  
**Hazardous decomposition products** None known

## 11. TOXICOLOGICAL INFORMATION

Inhalation: Dust may be irritant to the upper respiratory tract.  
Skin: Unlikely to cause skin irritation  
Eyes: May cause eye irritation  
Ingestion: Unlikely to be hazardous if swallowed

## 12. ECOLOGICAL INFORMATION

1. This product is not a hazardous waste.
2. Not hazardous to water (VwVwS 1.12a;17.05.1999).

## 13. DISPOSAL CONSIDERATIONS

Dispose in accordance with local and state regulations. This product is not a hazardous waste.

## 14. TRANSPORT INFORMATION

**DOT classification** no regulation  
**IATA/ICAO classification** no regulation  
**UN number** no regulation  
**Marine pollutant (yes/no):** no regulation  
**Specific transport measures and precautionary conditions:** no regulation

## 15. REGULATORY INFORMATION

**Not Classified as Hazardous to Users**

## 16. OTHER INFORMATION

This information is made by our Tainan Plant.

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*The information contained in this safety data sheet is the result of the most up-to-date available in our company. The information given in this data sheet does not constitute or replace the user's own assessment of workplace risk as required by other health and safety legislation. The user must ensure that the information is suitable and complete in relation to the specific use of the product*

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