



Chan Sieh Enterprises Co., Ltd.

Revision Date : Jan. 16,2020

SAFETY DATA SHEET

1. IDENTIFICATION OF THE SUBSTANCE/PREPERATION AND THE COMPANY

Product Name : AR-544

Chemical Name: Solid Acrylic Polymer Resin

Suggested usage and limitation: for industrial use, inks, paints and coatings

Company Information : Chan Sieh Enterprises Co., Ltd. **Emergency:** +886-2-2581-6516
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2. HAZARDS IDENTIFICATION

Hazard classification:

Labeling:

Hazard pictograms:

Signal word:

Hazard Statements: May cause eye irritation.

May be harmful if by inhalation, skin absorbing or ingestion.

Precautionary statements: Handle with gloves if necessary.

Prevent flow into water of drainer and river.

Other hazards:

3. COMPOSITION/INFORMATION ON INGREDIENTS

Mixture:

Chemical Characterization: Solid Acrylic Polymer Resin

Hazard ingredients	Concentration (percentage)	Hazard pictograms
Acrylic Resin	99%	
Water	<1%	

4. FIRST AID MEASURES

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

Skin Contact: Wash with water.
Eye Contact: Immediately flush with plenty of water for 15 minutes, and obtain medical attention if still irritating.
Ingestion Wash out mouth with water. Obtain medical attention if ill effects occur.
The Most important Symptoms and hazardous effects: May cause skin reddish and dizziness
Personal protection for the first aid person: Current unknown.
Indication for physician: 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, CO2, dry powder, water spray.
Special hazards may occur during fire-fighting: This material will support combustion, if ignited. Like all thermoplastic materials, it will melt under fire conditions.
Special fire-fighting procedure:
Protection for fire fighter: Protective clothes and gloves

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

Construction control: Close room should have ventilation system.
Control factors: TWA :-
STEL :-
Ceiling :-
LC₅₀ :-
LD₅₀ :-

Personal protection equipment
Respirators protection yes, in airborne dusts.
Hands protection -
Eyes protection goggles (in dust).
Skin and body protection remove particles from skin to avoid plasticization by skin oil.
Hygiene practices: Obey the operation rule and prevent unnecessary contact, be careful during

handling, and wash hands after handling.

9. PHYSICAL AND CHEMICAL PROPERTIES

Type	BMA/MMA copolymer
Appearance	White transparent; free flowing bead
Odor	Slight
Specific gravity (water=1)	1.0 – 1.1 (20°C)
Total solids (%w/w)	min. 98 %
Average mol. Weight (Mw)	50,000
Acid value (mg KOH/g)	6.5
Tg (DSC: °C)	64
Softening point (Ring&Ball)	155 °C
Viscosity Brookfield (25°C)	380 mPas (40 w/w in toluene)
Density (20 °C; kg/l)	1.11
Solubility in water (% by wt.)	Insoluble. Soluble in aromatics, alcohols, esters and ketones
Vapor pressure (at 20°C)	not available
Flashing point	none
Explosion Limited	UEL : - LEL : -

Partition coefficient (n-octanol/water, log Kow) : -

10. STABILITY AND REACTIVITY

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

11. TOXICOLOGICAL INFORMATION

Acute Toxicity:

Inhalation: Dust may be irritate to the upper respiratory tract.

Skin: Unlikely to cause skin irritation

Eyes: May cause eye irritation

Ingestion: Unlikely to be hazardous if swallowed

Regional effects:

Sensitization:

Chronic toxicity or long term toxicity:

Special effects: - -

12. ECOLOGICAL INFORMATION

Ecotoxicity: LC50 -

EC50 -

BCF -

Persistence and degradability: -

Bioaccumulative potential: -

Mobility in soil: Most of parts will be mixed with the soil when released into soil.

Other adverse effects: This product is not hazardous waste. Not hazardous to water.

13. DISPOSAL CONSIDERATIONS

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

14. TRANSPORT INFORMATION

UN number:

UN Proper shipping name:

Transport hazard class(es):

Packing group:

Marine pollutant (yes/no): no

Specific transport measures and precautionary conditions:

15. REGULATORY INFORMATION

Not Classified as Hazardous to Users .

16. OTHER INFORMATION

This information is made by our Tainan Plant.

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
