



# ARIHANT CHEMICAL CORPORATION & J.J ENTERPRISE

For paints / inks / plastic / Rubber industries Raw material available with us under self import /  
Manufacturing / Trading.

## MATERIAL SAFETY DATA SHEET (MSDS)

**PRODUCT : Vinyl Resin (EVA BASE) : POLYVINYL CHLORIDE - ACETATE - ALCOHOL**

### 1. PRODUCT / COMPANY IDENTIFICATION :

- a. Product Code : Vinyl Resin ( EVA BASE)
- b. Chemical Family : Polymer of Chlorinated Hydrocarbon
- c. Chemical Name : Polyvinyl Chloride

NAME OF Seller / Manufacturer : Arihant Chemical Corporation  
ADDRESS : 24/5 krishna kunj bldg , behind Arora Cinema,  
: Matunga ( East) mumbai -400019.  
TELEPHONE NOS. : + 022-24146390/8378/Mob-9820142066/9029042066

### 2. PRODUCT INGREDIENTS :

- a. Components : PVC Resins
- b. CAS Registry No. : 25086 – 48 - 0
- c. Percent ( % ) : 99 . 0 ±

### 3. PHYSICAL / CHEMICAL PROPERTIES :

- a. Physical Form : Powder
- b. Colour : White to slight buff
- c. Odour : Mild
- d. Molecular Weight : Ranging from 20,000 - 30, 000
- e. Specific Gravity (20C) : 1. 4
- f. Inherent Viscosity (30C) : 0.47 - 0.51
- g. Solubility in Water (30C) : Insoluble
- h. Solubility Data : Soluble in Cychlohexanone, Tedrahydofuran and Chlorinated Hydrocarbons, MEK, MIBK.
- i. % Volatile : Negligible

### Other Properties such as

- j. Vapor Pressure, Vapor Density , Boiling point, pH and Evaporation Rate. : Not applicable to PVC Resins

Regd Off: - Plot no 24 Block no .5, 1st floor, Behind Aurora cinema , opp Sahakari bhandar,  
Matunga (C.R) Mumbai – 400019

Administration /correspondence Office :- Plot No. 319,Room No.3, Ranchoddas Terrace building ,sir  
Bhalchandra Road, opp Hira House, Near Chhatre Maternity Hospital, Matunga (C.R) Mumbai – 400019  
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### **4. FIRE HAZARD DATA AND FIRE FIGHTING METHOD**

- a. Flash Point : Not applicable
- b. Auto ignition : Not applicable
- c. Flammable Limits in Air [ LEL , UEL % ] : Not applicable
- d. Extinguishing Media : Dry Chemical powder, Water, Carbon – di-oxide or halon , foam.
- e. Special Fire Fighting Procedure : In the event of fire, with positive pressure self- contained breathing apparatus [SCBA ] and full protective clothing . Evacuate all non –essential personnel from danger area. Use the above extinguishing media to put off fire.
- f. Unusual Fire and Explosion Hazards : This product is non-flammable and non - explosive under normal conditions of use. The minimum ignition energy for explosion of resin dust is much higher than that of natural materials such as corn starch and flour and also exceeds those of the other plastic materials. The resin by itself will not continue to burn after ignition without an external source. However , materials such as wooden pallets , Paper bags , cardboard boxes , and other Combustibles can provide sufficient fuel to Cause the product to burn. When forced to burn , the major gaseous products of the combustion of PVC resin are carbon monoxide, carbon dioxide, hydrogen chloride And water , but do not include vinyl chloride. The primary toxic combustion products are carbon monoxide and hydrogen chloride generated from incomplete combustion and carbon monoxide is the principal toxicant in fire atmosphere.

### **5. HUMAN HEALTH DATA :**

- a. Emergency Overview : Avoid inhalation or skin contact with PVC powder.
- b. Primary Route (s) of exposure : Inhalation , Eye , Skin Contact

### **Potential Health Effects and Symptoms of Over - Exposure**

- a. Eye Contact : May cause irritation
- b. Skin Contact : May cause irritation
- c. Inhalation : May irritate and cause discomfort in nose and throat . Prolonged exposure may cause adverse effects on lungs.
- d. Ingestion : Unlikely

### **Medical Conditions Aggravated by Over – Exposure :**

Available toxicological information and the physical / chemical properties of the material suggests that there is no evidence that the material is toxic.



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### **6. FIRST AID MEASURES**

- a. Eye Contact : Immediately flush eyes with water for at least 15 minutes . Do not rub the eyes. If irritation develops consult a physician.
- b. Skin Contact : Wash affected skin area with soap water. If Irritation develops, get medical attention.
- c. Inhalation : Remove to fresh air. If symptoms develop, seek medical attention.
- d. Ingestion : This product is practically inert. If ingested , dilute swallowed material by drinking water. Induce vomiting. Obtain medical attention.
- e. Notes to Physician : Treat symptomatically and supportively.
- f. Other Instructions : Never give anything by mouth to an unconscious person.

### **7. EXPOSURE CONTROLS , PERSONAL PROTECTION - RECOMMENDATIONS.**

- a. Eye Protection : Wear safety glasses with side shields, goggles or face shield for protection against dust.
- b. Skin Protection : Minimize contact with product. Wear gloves and / or suitable long sleeved clothing.
- c. Respiratory Protection : Use NIOSH / MSHA approved dust respirators.
- d. Engineering Control : Adopt proper ventilation requirements / Local exhaust.
- e. Req'd. Work /Hygiene : Minimize contact with skin. Do not eat, drink, or smoke in work area. Wash hands thoroughly after handling, especially before eating, drinking, smoking, chewing or using restroom facility. Dusted clothing and shoes be thoroughly cleaned before reuse.

### **8. ACCIDENTAL RELEASE CONTROL MEASURES**

- a. Response to Spills : Remove sources of ignition , use adequate ventilation and wear a dust respirator . Sweep , vaccum or shovel up the spill.

### **9. HANDLING AND STORAGE**

- a. Handling : Use with adequate ventilation . Avoid contact with eyes and skin. As with handling of all powdered materials, accumulations of the product should be removed from settling areas to prevent any secondary potential dust explosion or fire hazards.  
Under normal thermoplastic processing , always use the product under well – ventilated conditions to minimize breathing of vapour generated.  
Electrostatic charge may build up during handling. Grounding of equipment is necessary.
- b. Storage : Store in a cool , dry , well – ventilated area or silo away from sources of heat , flame and sparks.

### **10. STABILITY AND REACTIVITY**

- a. Stability : Stable
- b. Conditions to avoid : Avoid elevated temperature above 250 degrees centigrade.
- c. Hazardous Polymerization : If burned it will generate Carbon dioxide , Carbon monoxide , Hydrogen Chloride



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#### **11. Disposal Considerations**

##### 1. Regulations on waste disposal

Waste macromolecular compounds: Wastes generated in the process of producing synthetic resins.

Post consumer wastes: Wastes generated in the process of distribution or consumption

##### 2. Disposal methods

- In compliance with waste management laws.

Waste generators, constructors and operators of waste facilities, disposers of hazardous wastes and/or recyclers of synthetic resin wastes

-Collection and transportation of hazardous wastes

- Hazardous wastes should be collected and transported depending on the nature of the waste and type of hazard.

- Wastes, particulates in particular, should be collected in polyethylene containers or equivalent.

--Vehicles collecting and transporting hazardous wastes should be painted in yellow except for vehicles temporarily put into use

--Vehicles should have permits or certificates for collecting and transporting hazardous wastes in accordance with guidelines notified by the Minister of Environment.

- Hazardous wastes should not be transported to places other than designated waste disposal facilities.

- Storage of hazardous wastes

- Hazardous wastes should be stored in separation from other wastes. Recyclables should be separately stored

- There should be notices and signs around the storage place in accordance with relevant laws.

- Disposal of waste macromolecular compounds

- Thermosetting materials should be cut, melted or smashed into pieces smaller than 15cm and should be treated in stable landfill facilities

- Other wastes than thermosetting materials should be incinerated.

##### 3. Disposal precautions

- Guidelines and methods for disposing hazardous wastes

- Wastes should be collected, transported, stored and disposed in a way to minimize environmental pollution in compliance with specific guidelines and methods set out in laws.

- Take caution not to release or spill.

- Comply with discharge permit limits

- Never dump at other places than designated without justifiable reasons.

- Dispose at designated sites.

- Storage, transportation and disposal of post-consumer wastes

- Make efforts to minimize environmental pollution.

- Segregate into recyclables and things for incineration when collecting, storing and transporting.

- Dispose at designated sites.

##### 4. Hazard waste no; D043

Regulations- Materials containing impurities of more than 0.2 mg/l or components under TCLP regulations, or with toxicological properties set out by EPA, should be disposed in accordance with U.S.EPA 40 CFR 262.



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#### **12. TOXICOLOGICAL INFORMATION :**

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**General Information :** According to experience , the material is physiologically compatible.

**Experience with man :** By prolonged contact with the product no damage to health was observed.

**Further toxicological information :** Product contains traces of Vinyl Chloride . Therefore observe TRK regulations (german terms for concentration of dangerous substances in the air at the workplaces ).

#### **13. ECOLOGICAL INFORMATION :**

**Ecotoxicity :** No likelihood of damaging effect on water organisms.

**Effects in sewage treatment plants (bacteria toxicity : respiration -/reproduction inhibition ) :**  
Can be removed mechanically from waste water .

**Persistence and degradability :**

**Biodegradation / further information :**

Biologically not degradable.

**Further information :**

Polymer components : Elimination by adsorption in activated sludge.

**Bio-accumulation potential**

**Further information :**

Insoluble in water : No harmful effects expected.

**Other harmful effects : None**

**Further ecological information :**

**General information :** According to recent knowledge no hazardous influence to environment.

#### **14. Transport Information**

**DOT Non-Bulk**

NOT REGULATED

**DOT Bulk**

NOT REGULATED

**IMDG**

NOT REGULATED

**ICAO/IATA**

NOT REGULATED



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#### 15. REGULATORY INFORMATION

Warning Label (EU).....

R – Phrase	Description
R -	-

S – Phrase	Description
S -	-

#### 16. ADDITIONAL INFORMATION :

##### DISCLAIMER

The above information describes exclusively the safety requirements of the product (s) and is based on our present – day knowledge. It does not represent a guarantee for the properties of the product (s) described in terms of the legal warranty regulations. Properties of the product are to be found in the respective product leaflet.

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