



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)

1. Product and Company Identification

Material identity: Polyvinyl chloride

- Product Name : **Vinyl Resin – PU BASE**

- CAS No.: 9002-86-2

- Substance name: Polyvinyl chloride

- Chemical family: polymer, halide

Typical properties: White powder

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 -09820142066/9029042066

2. Composition and Ingredients

Chemical name	Synonym	CAS registry no.	Contents (%)
Polyvinyl chloride	PVC	9002-86-2	more than 99.9%
Others (including volatile matters) -			less than 0.1%

3. Hazard Identification

1. Hazard and risk information: NFPA class(0-4 classes): public health=1 fire=1
Reaction=0

2. Label precautionary statements:

Appearance change: Color changes when exposed to light or heat

Color: achromatic color, white

Physical state: granule

Health hazards: no impact on target organs reported

Physical hazards: flow or mixture of materials may generate static electricity

Dust/air compounds may catch fire or explode

3. Potential health hazards

Inhalation Short-term exposure: irritation
 Long-term exposure: suffocation, asthma, lung irritation

Skin Short-term exposure: no reports of severe irritation
 Long-term exposure: no reports of severe irritation

Eye Short-term exposure: irritation
 Long-term exposure: no reports of severe irritation

Swallowing Short-term exposure: no reports of severe irritation
 Long-term exposure: no reports of severe irritation



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4. First Aid Measures

1. Inhalation

Move to fresh air. If not breathing, give artificial respiration. Seek immediate medical attention

2. Skin contact

Remove contaminated clothing and shoes

Flush contaminated skin with plenty of water and soap (or neutral detergents) until chemical materials are thoroughly removed (min. 15~20 minutes)

Seek medical attention, if necessary

3 . Eye contact

Flush eyes gently with water or saline solution while holding eyelids apart until chemical materials are thoroughly removed

Seek immediate medical attention.

4. Swallowing

If vomiting, keep the head lower than the hips to prevent vomitus from entering the lungs

Seek medical attention, if necessary

5. Fire and Explosion Data

1. Flash point: 736 °F (391 °C)

2. Autoignition point: 849 °F (454 °C)

3. Fire and explosion hazards

Possibility of small scale fire

Dust/air mixtures may ignite or explode

This material can accumulate static charge by flow or agitation

4. Classification according to extinguishing methods and regulations: Flammable

foamed synthetic resins (20 m³, 3,000 kg)

5. Extinguishing media

- Particulate powdered extinguishing agents, carbon dioxide, water, general foam

- Large fires: use ordinary extinguishing agents or spray water

6. Fire fighting measures and equipment

- Move containers from fire area if it can be done without risk

- High pressure water may spread product from broken containers

- Dike fire water for later disposal

- Use an appropriate extinguisher

- Avoid inhaling the material itself and byproducts

- Approach fire from up wind to avoid hazardous vapors and toxic decomposition products.



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6. Accidental Release Measures

1. Steps to be taken to protect people: Install local exhaust ventilation systems
2. Steps to be taken to protect the environment: Store in clean and dry containers and keep it from entering waterworks or sewage
3. Purification or disposal:
Untrained personnel should be removed from the spill area.
For release greater than the set quantity, notify the authority (central or local government bodies)

7. Handling and Storage

For storing and handling, all hazard precautions set out in relevant laws and regulations must be observed.

Keep away from materials prohibited from mixing

8. Exposure Control/Personal Protection

1. Exposure guidelines

1.5 mg/m³ DFG MAK (Particulate matter)

< vinyl Chloride: for reference >

OSHA TWA - 1.0 ppm

OSHA ceiling 15 minutes - 5.0 ppm

OSHA action level - 0.5 ppm

ACGIH TWA - 5.0 ppm (13 mg/m³)

2. Ventilation

-Install local ventilation system.

-To control airborne levels below recommended exposure limits, explosion proof exhaust ventilation should be used (Not technologically confirmed).

-Check for conformity with pertinent exposure limits.

3. Eye protection

-Wear chemical splash protection safety goggles.

-Install emergency eye washing facilities and emergency showers near work places.

-Safety clothing: Wear chemical resistant clothing.

4. Safety gloves

-Wear proper chemical resistant gloves.

-Materials under OSHA regulations: U.S. OSHA 29 CFR 1910.1017.

5. Respiratory protections

-Air supplied respirator is recommended if workplace exposure limits of product or any component exceeds exposure guidelines.

-They are classified in order from minimum to maximum respiratory protection.

-Consider warning and precautionary labels before use

-For unknown concentrations or immediate danger to life or health.



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9. Physical and Chemical Properties

1. Physical state: solid
2. Color: achromatic color, white
3. Changes in appearance: color changes when exposed to heat or light
4. Appearance: granular powder
5. Odor: odorless
6. Molecular weight: 60,000-150,000 (avr.)
7. Boiling point: not applicable
8. Melting point: not applicable
9. Vapor pressure: not applicable
10. Vapor density: not applicable
11. Specific gravity (water=1): 1.4
12. Water solubility: non-soluble
13. pH: not applicable
14. Volatility: not applicable
15. Odor threshold: not available
16. Evaporation rate: not applicable
17. Water/oil dispersion coefficient: not available
18. Solubility:

• Soluble: Cyclohexanone, Methyl cyclohexanol, imethylformamide, Nitrobenzene, Tetrahydrofuran, Isophorone, oxidized Mesityl, Dipropyl ketone, methyl amyl ketone, Methyl, Isobutyl ketone, Dioxane, Methyl ethyl ketone, Dichloromethane, Chlorobenzene, Dichloroethylene

10. Stability and Reactivity

1. Stability: Stable under high temperature and pressure
2. Conditions to avoid: heat, flames, sparks and other ignition sources. Keep away from incompatibilities.
3. Incompatibilities: oxidizers
4. Hazardous decomposition:
Decomposition by-products: acid, halogen compound, halide compounds, phosgene, chloride vinyl, and carbon oxide
Polymerization: will not occur



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11. Toxicological Information

1. Carcinogenicity

International Agency for Research on Cancer (IARC): not classifiable as to carcinogenicity to humans and experimental animals, Group 3

Industrial Health and Human Health Law: not applicable

A. Medical conditions aggravated by exposure: respiratory disorders

B. Data on tumor promotion: applicable.

12. Ecological Information

1. Aquatic and ecological toxicity: not toxic

2. Mobility: no mobility

3. Degradability: not degradable

4. Accumulation in living organisms: no

13. 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.



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- 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.

14. Transport Information

No data available

15. Regulatory Information

1. Industrial Safety and Public Health Law: not applicable
2. Hazardous Chemical Management Law: not applicable
3. Fire Fighting Law: flammable synthetic resins (foamed 20 m³, 3,000 kg)

16. Other Information

1. This MSDS is prepared in accordance with Article 41 of the Industrial Safety and Public Health Law and based on latest data made available.
2. As this MSDS is prepared to help people safely handle this material, preparers of this MSDS shall not be held liable for any technological or legal reasons and shall not warranty appropriateness or feasibility of commercial applications.

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

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