Basekim
Chemical Production Co.Ltd

SAFETY DATA SHEET

PVC (Polyvinyl Chloride) Resin

SDS / MSDS Summary prepared for industrial B2B handling, storage and transport communication

SECTION 1: IDENTIFICATION

Product Identifier	PVC (Polyvinyl Chloride) Resin
Synonyms	Polyvinyl chloride; vinyl chloride polymer; PVC resin powder
CAS Number	9002-86-2
Manufacturer / Distributor	BASEKİM KİMYASAL ÜRÜNLER İÇ VE DIŞ TİC. LTD. ŞTİ.
Address	İLKBAHAR MAH. FAHREDDİN PAŞA SK. NO: 6 ÇANKAYA/ANKARA
Phone	+903125147055
Emergency Phone	+903125147055
Recommended Use	Industrial manufacturing
Restrictions on Use	For professional use only

SECTION 2: HAZARD(S) IDENTIFICATION

Signal Word: Not classified as hazardous under typical GHS / OSHA HCS criteria for supplied solid resin. Dust and thermal-processing fumes may cause mechanical irritation.

GHS Classification	Not classified as a hazardous substance or mixture in the supplied form. Fine dust may create nuisance dust and combustible dust concerns during handling.
GHS Pictograms	Not required for the supplied resin under typical classification. Use dust-control precautions during transfer or processing.
Hazard Statements	No formal GHS hazard statement assigned. Dust may irritate eyes and respiratory tract. Processing fumes may irritate eyes, skin and respiratory system.
Precautionary Statements	Avoid breathing dust. Use adequate ventilation. Wear safety glasses, gloves and suitable respiratory protection where dust is generated. Keep away from ignition sources and prevent dust accumulation.
Other Hazards	Dust may form explosive mixtures in air under severe dispersion and ignition conditions. Thermal decomposition may release hydrogen chloride and other irritating fumes.

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

Component	CAS No.	Concentration	Notes
Polyvinyl Chloride Resin	9002-86-2	> 95 %	Base polymer; exact additives may vary by grade
Residual Vinyl Chloride Monomer	75-01-4	Trace / controlled	May be present only as residual impurity within regulatory limits

SECTION 4: FIRST-AID MEASURES

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Route	First-Aid Measures	Symptoms / Effects
Eye Contact	Rinse cautiously with clean water for several minutes. Remove contact lenses if present and easy to do. Seek medical attention if irritation persists.	Mechanical irritation, redness or tearing from dust.
Skin Contact	Wash with soap and water. Remove contaminated clothing and launder before reuse.	Generally low hazard; dust may cause mild dryness or irritation.
Inhalation	Move person to fresh air. Keep comfortable for breathing. Seek medical advice if coughing, irritation or breathing difficulty continues.	Dust or processing fumes may cause coughing, throat irritation or respiratory discomfort.
Ingestion	Rinse mouth. Do not induce vomiting unless instructed by medical personnel. Seek medical advice if symptoms occur.	Low acute toxicity expected; ingestion may cause gastrointestinal discomfort.

SECTION 5: FIRE-FIGHTING MEASURES

- **Suitable Extinguishing Media:** Water spray, foam, dry chemical powder or carbon dioxide. Select media suitable for surrounding fire.
- **Unsuitable Media:** Do not use high-pressure water jets if they disperse dust.
- **Specific Hazards:** PVC can decompose under fire or high heat, releasing hydrogen chloride, carbon oxides, chlorinated organic compounds and dense smoke.
- **Protective Equipment:** Firefighters should wear self-contained breathing apparatus and full protective clothing.
- **Fire-Fighting Advice:** Cool exposed containers with water spray and prevent runoff from entering drains or waterways.

SECTION 6: ACCIDENTAL RELEASE MEASURES

- **Personal Precautions:** Avoid dust generation and inhalation. Use appropriate PPE. Eliminate ignition sources where dust is present.
- **Emergency Procedures:** Ventilate the area. Restrict access to trained personnel. Follow site emergency procedures.
- **Environmental Precautions:** Prevent material from entering drains, sewers, waterways or soil.
- **Containment and Cleanup:** Collect with vacuum or wet sweeping methods. Avoid dry sweeping that disperses dust. Place in labeled containers for reuse or disposal.
- **Reference to Other Sections:** See Sections 8 and 13 for PPE and disposal guidance.

SECTION 7: HANDLING AND STORAGE

- **Safe Handling:** Use adequate ventilation and dust extraction during transfer, mixing or processing. Avoid breathing dust and avoid contact with eyes.
- **Hygiene Measures:** Wash hands after handling. Do not eat, drink or smoke in work areas. Remove contaminated clothing before entering break areas.
- **Dust / Static Control:** Ground and bond equipment where dust clouds may form. Use dust-rated electrical equipment where required by risk assessment.
- **Safe Storage:** Store in a cool, dry, well-ventilated area. Keep packaging closed and protected from moisture, heat and direct sunlight.
- **Incompatibilities:** Keep away from strong oxidizing agents, strong acids, strong bases and high heat sources.

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SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

Parameter	Limit / Guidance	Remarks
OSHA PEL - Particulates Not Otherwise Regulated	15 mg/m³ total dust; 5 mg/m³ respirable fraction	Apply when PVC dust is generated.
ACGIH TLV - Particles Not Otherwise Specified	10 mg/m³ inhalable; 3 mg/m³ respirable	Use current local occupational limits where more stringent.
Engineering Controls	Local exhaust ventilation and enclosed transfer systems	Maintain airborne dust below applicable exposure limits.
Respiratory Protection	Approved particulate respirator such as N95/P2 or higher when dust exceeds limits	Select based on exposure assessment.
Eye / Face Protection	Safety glasses; chemical goggles when dust is heavy	Use EN 166 / ANSI-compliant protection.
Skin / Hand Protection	Protective gloves and clean work clothing	Nitrile, neoprene or PVC gloves are generally suitable for handling.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

Property	Typical Value / Description
Appearance	White to off-white powder or granules
Odor	Odorless or slight characteristic odor
Odor Threshold	Not available
pH	Not applicable / not available
Melting / Softening Range	Softens before melting; thermal degradation may begin at elevated processing temperatures
Boiling Point	Not applicable for polymer
Flash Point	Not applicable
Evaporation Rate	Not applicable
Flammability	Not readily flammable as supplied; dust may contribute to fire/explosion hazard
Vapor Pressure	Negligible
Relative Density	Approx. 1.35 - 1.45 g/cm³
Solubility in Water	Insoluble
Auto-Ignition Temperature	Not available
Decomposition Temperature	May decompose at elevated temperatures, releasing HCl fumes

SECTION 10: STABILITY AND REACTIVITY

- **Reactivity:** Stable under normal handling and storage conditions.
- **Chemical Stability:** Stable at ambient temperature when stored dry and away from heat.
- **Possibility of Hazardous Reactions:** Hazardous polymerization is not expected.
- **Conditions to Avoid:** Excessive heat, open flames, dust generation, static discharge and incompatible materials.
- **Incompatible Materials:** Strong oxidizing agents, strong acids and strong bases.
- **Hazardous Decomposition Products:** Hydrogen chloride, carbon monoxide, carbon dioxide, chlorinated organic compounds and irritating smoke.

SECTION 11: TOXICOLOGICAL INFORMATION

Likely Routes of	Inhalation of dust, eye contact, skin contact and incidental ingestion.

Exposure	
Acute Toxicity	Low acute toxicity expected for the polymer in supplied form. Numerical LD50 data not available for this summary.
Skin Corrosion / Irritation	Not expected to be corrosive. Dust may cause mild mechanical irritation.
Serious Eye Damage / Irritation	Dust may cause mechanical irritation.
Respiratory Effects	Dust or processing fumes may irritate respiratory tract. Adequate ventilation is required during processing.
Sensitization	Not expected to be a skin or respiratory sensitizer.
Chronic Effects	Repeated dust exposure may aggravate existing respiratory conditions. Avoid overheating, which may release hazardous fumes.
Carcinogenicity	PVC polymer is not generally classified as a carcinogen; vinyl chloride monomer is a regulated carcinogen and may exist only as trace residual impurity.

SECTION 12: ECOLOGICAL INFORMATION

- **Ecotoxicity:** Not expected to be acutely toxic to aquatic organisms in supplied solid form; avoid uncontrolled release.
- **Persistence and Degradability:** Polymer is expected to be persistent and not readily biodegradable.
- **Bioaccumulative Potential:** Low potential expected due to polymeric nature and insolubility.
- **Mobility in Soil:** Low mobility; insoluble solid particles may persist in soil or sediment.
- **Other Adverse Effects:** Prevent pellets, powder or dust from entering waterways.

SECTION 13: DISPOSAL CONSIDERATIONS

- **Waste Treatment Methods:** Reuse or recycle where possible. Dispose of waste through licensed waste contractor in accordance with local, national and international regulations.
- **Contaminated Packaging:** Empty packaging may contain dust residues. Clean or dispose of in accordance with applicable regulations.
- **Disposal Precautions:** Do not discharge into drains, sewers or natural waterways. Avoid open burning.

SECTION 14: TRANSPORT INFORMATION

Transport Item	Information
UN Number	Not regulated as dangerous goods
UN Proper Shipping Name	Not applicable
Transport Hazard Class	Not regulated
Packing Group	Not applicable
Environmental Hazards	Not classified as marine pollutant in supplied form
Special Precautions	Protect from moisture, package damage and dust release during loading/unloading

SECTION 15: REGULATORY INFORMATION

- **OSHA Hazard Communication Standard:** Generally not classified as hazardous in supplied resin form; dust/fume controls should be applied during industrial use.

- **GHS / CLP Status:** No GHS label elements typically required for supplied PVC resin; verify final classification based on exact grade and additives.
- **Chemical Inventories:** Polyvinyl chloride polymer CAS 9002-86-2 is widely listed/recognized on major chemical inventories; local confirmation is recommended.
- **Additional Regulatory Note:** Residual vinyl chloride monomer is regulated; supplier certificate and applicable national limits should be checked for each batch.

SECTION 16: OTHER INFORMATION

Date of Preparation / Last Revision	21 May 2026
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Disclaimer	This SDS summary is prepared for industrial communication and should be reviewed against the exact supplier SDS, product grade, additives, local regulations and end-use conditions before official distribution.