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SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006

Product: PVC Resin SG-5	**Revision date:** 2026-10-27	**Version:** 1.0	**Brand:** Richest

SECTION 1: Identification of the substance/mixture and of the company/undertaking

Product name	PVC Resin SG-5
Synonyms	Polyvinyl chloride; PVC homopolymer resin
CAS No.	9002-86-2
EC No.	Not assigned
Molecular formula	(C2H3Cl)n
Molecular weight	Variable (polymer, polydisperse)
Relevant identified uses	Raw material for vinyl fabrication: pipes, profiles, films, sheets, cables and flooring
Uses advised against	None
Company	Richest Group Ltd.
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SECTION 2: Hazards identification

GHS Classification	Not a hazardous substance or mixture according to Regulation (EC) No. 1272/2008 (Not classified)
Pictogram(s)	None
Signal word	None
Hazard statement(s)	None
Precautionary statement(s)	None

Other hazards	Dust/air mixtures may ignite or explode. Electrostatic charges may be generated by flow or agitation.

SECTION 3: Composition/information on ingredients

Component	Polyvinyl chloride
CAS No.	9002-86-2
EC No.	Not assigned
Classification	Not classified
Concentration (%)	≤100 %

SECTION 4: First aid measures

If inhaled	Remove from exposure immediately to fresh air. Use a bag valve mask or similar device to perform artificial respiration if needed. Get medical attention.
In case of skin contact	Remove contaminated clothing, jewelry and shoes immediately. Wash with soap or mild detergent and large amounts of water until no evidence of chemical remains (at least 15-20 minutes). Get medical attention if needed.
In case of eye contact	Wash eyes immediately with large amounts of water or normal saline, occasionally lifting upper and lower lids, until no evidence of chemical remains. Get medical attention immediately.
If swallowed	If vomiting occurs, keep head lower than hips to help prevent aspiration. Get medical attention if needed.
Most important symptoms and effects	Inhalation of dust may cause irritation; long-term exposure may cause difficulty breathing.
Indication of any immediate medical attention	Treat symptomatically.

SECTION 5: Firefighting measures

Suitable extinguishing media	Dry chemical, carbon dioxide, water or regular foam. For large fire: use regular foam or flood with fine water spray.
Unsuitable extinguishing media	High-pressure water streams (may scatter spilled material).
Special hazards arising from the chemical	Slight fire hazard. Dust/air mixtures may ignite or explode. Electrostatic discharges may be generated by flow or agitation.
Advice for firefighters	Move container from fire area if it can be done without risk. Avoid inhalation of material or combustion by-products. Stay upwind and keep out of low

	areas.

SECTION 6: Accidental release measures

Personal precautions, protective equipment and emergency procedures	Keep unnecessary people away. Isolate hazard area and deny entry.
Environmental precautions	Keep out of water supplies and sewers.
Methods and materials for containment and cleaning up	Collect spilled material in appropriate container for disposal.

SECTION 7: Handling and storage

Precautions for safe handling	Handle in accordance with all current regulations and standards. Avoid generation of dust and build-up of electrostatic charges.
Conditions for safe storage, including any incompatibilities	Store in accordance with all current regulations and standards in a cool, dry and ventilated place. Keep separated from incompatible substances.

SECTION 8: Exposure controls/personal protection

Occupational exposure limit values	Polyvinyl chloride: No occupational exposure limits established. Vinyl chloride (residual monomer): OSHA TWA 1.0 ppm; OSHA ceiling 5.0 ppm (15 min); ACGIH TWA 5.0 ppm (13 mg/m3).
Biological limit values	No biological exposure index (BEI) established.
Appropriate engineering controls	Provide local exhaust ventilation system. Ventilation equipment should be explosion-resistant if explosive concentrations of material are present.
Eye/face protection	Wear splash resistant safety goggles. Provide an emergency eye wash fountain and quick drench shower in the immediate work area.
Skin protection	Wear appropriate chemical resistant gloves.
Body protection	Wear appropriate chemical resistant clothing.
Respiratory protection	Under conditions of frequent use or heavy exposure, use any dust, mist and fume respirator or an air-purifying respirator with a high-efficiency particulate filter.
Thermal hazards	No specific thermal hazards under normal conditions of use.

SECTION 9: Physical and chemical properties

Physical state	Solid (granules, powder)

Colour	White
Odour	Odourless
Melting point / freezing point	Softens above ca. 80 °C; decomposes before melting
Boiling point or initial boiling point and boiling range	Not applicable (decomposes)
Flammability	Combustible; finely dispersed particles form explosive mixtures in air (dust explosion possible in powder or granular form mixed with air)
Lower and upper explosion limit / flammability limit	No data available
Flash point	391 °C
Auto-ignition temperature	454 °C
Decomposition temperature	No data available
pH	Not applicable (insoluble solid)
Kinematic viscosity	Not applicable (solid)
Solubility	Insoluble in water
Partition coefficient n-octanol/water	Not applicable (insoluble polymer)
Vapour pressure	Not applicable (solid)
Density and/or relative density	1.4 g/cm3
Relative vapour density	Not applicable (solid)
Particle characteristics	No data available

SECTION 10: Stability and reactivity

Reactivity	Reacts violently with fluorine (ICSC 1487)
Chemical stability	Stable under normal temperature and pressure.
Possibility of hazardous reactions	Decomposes on heating, producing toxic fumes including hydrogen chloride and phosgene; reacts violently with fluorine (ICSC 1487)
Conditions to avoid	Heat, flame, sparks and other sources of ignition. Contact with incompatible materials.
Incompatible materials	Oxidizing materials.
Hazardous decomposition products	Acid halides, halogenated compounds, phosgene, vinyl chloride, carbon oxides.

SECTION 11: Toxicological information	
Acute toxicity - Oral / Inhalation / Dermal	Not classified (PVC is biologically inert)
Skin corrosion/irritation	Not classified
Serious eye damage/irritation	Dust may cause mechanical irritation
Respiratory or skin sensitization	Not classified
Germ cell mutagenicity	Not classified
Carcinogenicity	IARC: Group 3 (not classifiable as to its carcinogenicity to humans).
Reproductive toxicity	Not classified
STOT - single exposure	Not classified
STOT - repeated exposure	Not classified
Aspiration hazard	Not applicable (solid)

SECTION 12: Ecological information	
Toxicity to fish / daphnia / algae	Not expected to be toxic (insoluble inert polymer)
Persistence and degradability	Not biodegradable (persistent polymer)
Bioaccumulative potential	Not expected to bioaccumulate (insoluble polymer)
Mobility in soil	Low mobility (insoluble solid)
Other adverse effects	None known

SECTION 13: Disposal considerations	
Product disposal methods	Dispose of in accordance with all applicable regulations.
Contaminated packaging	Dispose of in accordance with all applicable regulations.

SECTION 14: Transport information	
UN Number (ADR/RID, IMDG, IATA)	Not regulated as dangerous goods
UN Proper Shipping Name	Not regulated as dangerous goods
Transport hazard class(es)	Not regulated as dangerous goods
Packing group	Not regulated as dangerous goods

Environmental hazards (Marine pollutant)	No
Special precautions for user	No special precautions required during transport.

SECTION 15: Regulatory information

Safety, health and environmental regulations specific for the product	TSCA (USA): Listed

SECTION 16: Other information

Full text of H-Statements	None
Revision date	2026-10-27
Version	1.0

Abbreviations and acronyms: CAS: Chemical Abstracts Service; EC: European Commission; EINECS: European Inventory of Existing Commercial Chemical Substances; ADR: European Agreement concerning the International Carriage of Dangerous Goods by Road; RID: Regulation concerning the International Carriage of Dangerous Goods by Rail; IMDG: International Maritime Dangerous Goods; IATA: International Air Transport Association; TWA: Time Weighted Average; STEL: Short Term Exposure Limit; LD50: Lethal Dose 50%; LC50: Lethal Concentration 50%; EC50: Effective Concentration 50%; PBT: Persistent, Bioaccumulative and Toxic; vPvB: very Persistent and very Bioaccumulative; SDS: Safety Data Sheet.

References: ECHA - European Chemicals Agency, https://echa.europa.eu/; IPCS - International Chemical Safety Cards (ICSC), http://www.ilo.org/; HSDB - Hazardous Substances Data Bank; eChemPortal - OECD Global Portal to Information on Chemical Substances; ERG - Emergency Response Guidebook by U.S. DOT.

Disclaimer: The information in this SDS is only applicable to the specified product and is provided in good faith. It is based on the knowledge available to Richest Group Ltd. at the date of issue and is intended to describe the product for the purposes of health, safety and environmental requirements only. It does not constitute any guarantee of the properties of the product. Richest Group Ltd. shall not be held liable for any damage resulting from handling or from contact with the above product.