POLYGUM® · FURNITURE GRADE · CODE PG-SR502

POLYGUM® SR 502 Synthetic Rubber Adhesive

Synthetic rubber adhesive for bonding foam, resin, leather, rubber, EVA, wood, laminate, fabric and jute in carpentry, footwear and furniture work.

Prepared in the 16-section format of the Globally Harmonized System (GHS).

Section 1: Identification

Product name	POLYGUM® SR 502 Synthetic Rubber Adhesive
Product code	PG-SR502
Chemical name	Synthetic rubber contact adhesive in organic solvent
Chemical family	Solvent based synthetic rubber adhesive
Recommended use	Carpentry; Foam; Footwear; Lamination; Furniture
Uses advised against	Uses other than those recommended.
Supplier	Synergy Bonding Solutions Pvt Ltd 205, 4th Floor, Mont Vert Spectra, Pallod Farms, Baner Pune, Maharashtra 411045 India
Manufacturing	ISO 9001:2015 certified plants in Pune, Maharashtra, India
Telephone / Email	+91 9021 086 995, +91 7774 055 316 | marketing@synergybonding.in
Emergency telephone	+91 9021 086 995 (office hours)

Section 2: Hazard Identification

GHS classification

- Flammable liquid, Category 2
- Skin irritation, Category 2
- Eye irritation, Category 2
- Specific target organ toxicity, single exposure, Category 3 (narcotic effects)
- Hazardous to the aquatic environment, chronic, Category 2

Pictograms

Signal word DANGER

Hazard statements

- H225 Highly flammable liquid and vapour.
- H315 Causes skin irritation.
- H319 Causes serious eye irritation.
- H336 May cause drowsiness or dizziness.
- H411 Toxic to aquatic life with long lasting effects.

Section 2: Hazard Identification

Precautionary statements	• P102 Keep out of reach of children. • P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. • P233 Keep container tightly closed. • P261 Avoid breathing vapours or spray. • P271 Use only outdoors or in a well ventilated area. • P273 Avoid release to the environment. • P280 Wear protective gloves and eye protection. • P303+P361+P353 IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water. • P304+P340 IF INHALED: Remove person to fresh air and keep comfortable for breathing. • P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. • P403+P235 Store in a well ventilated place. Keep cool. • P501 Dispose of contents and container in accordance with local regulations.
Physical state	Viscous liquid
Other hazards	• Vapours are heavier than air, spread along floors and can form explosive mixtures with air. • Repeated exposure may cause skin dryness or cracking (solvent degreasing). • Deliberate inhalation of solvent vapours can be harmful or fatal. • The fully dried adhesive film is not hazardous.

Section 3: Composition / Information on Ingredients

Component	CAS No.	Content (% w/w)
Synthetic rubber and tackifying resins	Confidential	Confidential
Organic solvent blend (hydrocarbons and ketones)	Mixture	Balance
Additives and stabilisers	Confidential	Minor

The exact solvent blend is proprietary. Classification is based on the hazards of the solvents commonly used in this product type.

Section 4: First Aid Measures

Inhalation	Move to fresh air and keep at rest. If breathing is difficult or symptoms such as headache or dizziness persist, get medical attention.
Skin contact	Remove contaminated clothing. Wash skin with soap and water. Do not use solvents to clean skin.
Eye contact	Rinse immediately with plenty of water for at least 15 minutes, holding the eyelids open. Get medical attention.
Ingestion	Rinse mouth. Do NOT induce vomiting (risk of aspiration into the lungs). Get medical attention immediately.

Section 5: Fire Fighting Measures

Flammability	Highly flammable liquid and vapour.
Suitable extinguishing media	Alcohol-resistant foam, carbon dioxide, dry powder, sand.
Unsuitable media	Direct water jet (spreads the fire).
Special hazards	Vapours may travel to a source of ignition and flash back. Closed containers may burst when heated. Combustion gives carbon monoxide, carbon dioxide and dense smoke.
Protective equipment	Self-contained breathing apparatus and full protective clothing. Cool exposed containers with water spray.

Section 6: Accidental Release Measures

Personal precautions	Remove all ignition sources. Ventilate the area. Avoid breathing vapours. Wear the protective equipment in Section 8.
Environmental precautions	Prevent entry into drains, sewers, soil and watercourses.
Clean-up	Absorb with sand, earth or another non-combustible material. Collect with non-sparking tools into closed, labelled containers for disposal.

Section 7: Handling and Storage

Handling	Use only in well ventilated areas, away from heat and ignition sources. No smoking. Earth containers and equipment to prevent static discharge. Avoid breathing vapours and contact with skin and eyes. Close containers after use.
Storage	Store in tightly closed original containers in a cool, well ventilated, fire-safe area away from direct sunlight, heat, ignition sources and oxidising agents, in line with local regulations for flammable liquids.
Incompatible materials	Strong oxidising agents, strong acids.

Section 8: Exposure Controls / Personal Protection

Engineering controls	General and local exhaust ventilation to keep vapour concentrations below occupational exposure limits. Use explosion-proof electrical equipment.
Exposure limits	Observe the occupational exposure limits of the individual solvents.
Respiratory protection	Where ventilation is inadequate, a respirator with an organic vapour (type A) filter.
Hand protection	Solvent resistant gloves (nitrile or butyl rubber). Replace when contaminated.
Eye protection	Chemical splash goggles.
Body protection	Long sleeved, antistatic work clothing.
Hygiene measures	Do not eat, drink or smoke while working. Wash hands after use.

Section 9: Physical and Chemical Properties

Appearance	Viscous liquid

Section 9: Physical and Chemical Properties

Odour	Characteristic solvent odour
Solid content	See Technical Data Sheet
Viscosity	See Technical Data Sheet
Flash point	Below 23°C (expected, solvent blend)
Vapour density	Heavier than air
Explosive properties	Vapours can form explosive mixtures with air
Solubility in water	Insoluble

Section 10: Stability and Reactivity

Chemical stability	Stable under recommended storage conditions.
Conditions to avoid	Heat, sparks, open flames, static discharge, direct sunlight.
Materials to avoid	Strong oxidising agents, strong acids.
Hazardous decomposition	Carbon monoxide, carbon dioxide and smoke in a fire.

Section 11: Toxicological Information

Inhalation	High vapour concentrations may cause headache, dizziness, drowsiness and nausea.
Skin	Causes irritation; repeated contact defats the skin and may cause dermatitis.
Eyes	Causes serious eye irritation.
Ingestion	May cause gastrointestinal irritation; aspiration into the lungs can cause chemical pneumonitis.
Chronic	Prolonged or repeated overexposure to solvent vapours may affect the central nervous system.

Section 12: Ecological Information

Ecotoxicity	Toxic to aquatic life with long lasting effects (solvent content).
Precautions	Do not allow to enter drains, soil or watercourses.

Section 13: Disposal Considerations

Product	Dispose of as hazardous waste through an authorised handler, in accordance with the Hazardous and Other Wastes (Management and Transboundary Movement) Rules, 2016 and local regulations. Do not pour into drains.
Containers	Empty containers retain flammable vapour. Do not cut, weld or reuse; send to an authorised recycler or disposal facility.
Dried adhesive	Fully dried adhesive may be handled as non-hazardous industrial waste.

Section 14: Transport Information

UN number	UN 1133
Proper shipping name	ADHESIVES containing flammable liquid
Hazard class / packing group	Class 3 / Packing Group II
Environmental hazard	Yes
Note	Small packs may qualify as limited quantities. Confirm with the carrier before shipping.

Section 15: Regulatory Information

GHS	Classified as hazardous: see Section 2.
Storage	Store and handle as a flammable liquid in line with local fire safety regulations.

Section 16: Other Information

Revision	01
Date of issue	28 October 2026
Supersedes	All earlier editions of this data sheet
Abbreviations	GHS: Globally Harmonized System; TWA: time weighted average; STEL: short term exposure limit; TLV: threshold limit value; CAS: Chemical Abstracts Service.
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