

Stick-Onn 1K PUR Adhesive

Yellowish viscous liquid

GHS STATUS

Hazardous — Danger

TRANSPORT

Not regulated

EMERGENCY

+91 93716 35312

SUPPLIER

Synergy Bonding
Solutions

01 IDENTIFICATION

Product name	Stick-Onn 1K PUR Adhesive
Recommended use	One-component moisture-curing polyurethane adhesive for wood, WPC, doors and composite panels. Professional / industrial use.
Supplier	Synergy Bonding Solutions Pvt. Ltd., 205, 4th Floor, Mont Vert Spectra, Pallod Farms, Baner, Pune – 411045, Maharashtra, India
Contact	contact@stickonn.in · +91 90210 86995 · www.stickonn.in
Emergency telephone	+91 93716 35312 / +91 90210 86995 (Mon–Sat, 9:30 am – 6:30 pm IST)

02 HAZARD IDENTIFICATION

GHS classification

- Acute toxicity (inhalation), Category 4
- Skin irritation, Category 2
- Eye irritation, Category 2A
- Respiratory sensitisation, Category 1
- Skin sensitisation, Category 1
- Carcinogenicity, Category 2
- STOT single exposure, Category 3 (respiratory irritation)
- STOT repeated exposure, Category 2

Signal word

DANGERGHS08
Health hazardGHS07
Irritant

Hazard statements

- H332** Harmful if inhaled.
- H315** Causes skin irritation.
- H319** Causes serious eye irritation.

- H334

May cause allergy or asthma symptoms or breathing difficulties if inhaled.
- H317

May cause an allergic skin reaction.
- H335

May cause respiratory irritation.
- H351

Suspected of causing cancer.
- H373

May cause damage to organs (respiratory tract) through prolonged or repeated exposure by inhalation.

Precautionary statements

- P260 Do not breathe vapour / spray.
- P280 Wear protective gloves, protective clothing and eye protection.
- P284 In case of inadequate ventilation wear respiratory protection.
- P304+P340 IF INHALED: Remove person to fresh air and keep comfortable for breathing.
- P342+P311 If experiencing respiratory symptoms: Call a POISON CENTRE or doctor.
- P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses if present.
- P501 Dispose of contents / container in accordance with local regulations.

Other hazards: Persons already sensitised to di-isocyanates may develop allergic reactions when using this product. Persons suffering from asthma, eczema or skin problems should avoid contact.

03 COMPOSITION / INFORMATION ON INGREDIENTS

Mixture.

Component	CAS No.	% w/w
Polyurethane prepolymer (MDI-based)	Proprietary	80 – 95
4,4'-Diphenylmethane diisocyanate (MDI), incl. isomers & homologues	101-68-8 / 9016-87-9	1 – 5
Additives and catalyst	Proprietary	< 3

04 FIRST-AID MEASURES

Inhalation	Move to fresh air and keep at rest. If breathing difficulties or asthma-like symptoms occur, seek immediate medical attention.
Skin contact	Remove contaminated clothing. Wipe off product and wash with soap and plenty of water. Seek medical advice if irritation or rash develops.
Eye contact	Rinse cautiously with water for at least 15 minutes, holding eyelids open. Seek medical attention.
Ingestion	Rinse mouth. Do not induce vomiting. Seek immediate medical attention.

Most important symptoms: Irritation of eyes, skin and respiratory tract. Respiratory sensitisation may cause asthma-like symptoms, which can be delayed by several hours.

Note to physician: Treat symptomatically.

05 FIRE-FIGHTING MEASURES

Suitable extinguishing media	Dry chemical, CO ₂ , foam. Water spray for large fires only — reaction with water releases CO ₂ and may pressurise closed containers.
Specific hazards	Combustible. Burning releases CO, CO ₂ , nitrogen oxides, isocyanate vapours and hydrogen cyanide traces.
Protective equipment	Wear self-contained breathing apparatus and full protective clothing. Cool containers with water spray.

06 ACCIDENTAL RELEASE MEASURES

Ventilate area. Wear full PPE including respiratory protection. Absorb with sand or inert absorbent (do not use sawdust). Shovel into open containers — do not seal, as CO₂ evolution can build pressure. Neutralise residues with a decontaminant (water 90%, sodium carbonate 5–10%, detergent 0.2–2%).

07 HANDLING AND STORAGE

Safe handling	Use only in well-ventilated areas or with local exhaust ventilation. Avoid contact with skin and eyes. Do not breathe vapour. Keep containers tightly closed when not in use. Do not eat, drink or smoke while working.
Storage conditions	Store in tightly closed original containers in a cool, dry place between 5°C and 30°C. Protect from moisture — contact with water causes curing and pressure build-up.

08 EXPOSURE CONTROLS / PERSONAL PROTECTION

Exposure limits: MDI: TLV-TWA 0.005 ppm (ACGIH). Monitor workplace air where product is sprayed or heated.

Engineering controls: Provide general and, where necessary, local exhaust ventilation.

Eyes	Chemical safety goggles.
Hands	Nitrile or butyl rubber gloves.
Respiratory	Organic-vapour respirator (type A filter) where ventilation is inadequate, or when heating / spraying.
Body	Long-sleeved work clothing or apron.

09 PHYSICAL AND CHEMICAL PROPERTIES

Physical state	Liquid
Colour	Yellowish
Odour	Faint, characteristic
Solid content	88 ± 2%
Viscosity (25°C)	16,500 – 17,000 mPa·s
Density	1.10 – 1.15 g/cm ³
Flash point	> 200°C (closed cup)
Solubility in water	Insoluble; reacts with water

10 STABILITY AND REACTIVITY

Reactivity / stability	Reacts with water, alcohols, amines and acids. Stable in sealed containers under recommended storage conditions.
Conditions to avoid	Moisture, high temperatures, open containers.
Incompatible materials	Water / moisture, amines, alcohols, strong bases and acids, strong oxidisers.
Hazardous decomposition	CO ₂ on reaction with water. On burning: CO, NO _x , isocyanate vapours, HCN traces.

11 TOXICOLOGICAL INFORMATION

Acute toxicity	Harmful if inhaled (MDI component).
Skin corrosion / irritation	Causes skin irritation.
Eye damage / irritation	Causes serious eye irritation.
Sensitisation	May cause respiratory and skin sensitisation.
Carcinogenicity	Suspected of causing cancer (polymeric MDI aerosol, inhalation).
STOT repeated exposure	May cause damage to the respiratory tract through prolonged inhalation.

12 ECOLOGICAL INFORMATION

Not classified as hazardous to the aquatic environment. MDI reacts with water to form inert, insoluble polyurea. Do not allow uncured product to enter drains or watercourses.

13 DISPOSAL CONSIDERATIONS

Allow uncured residues to cure fully (add water in an open container) before disposal. Dispose of as industrial waste in accordance with local and state regulations. Do not reseal empty containers containing residue.

14 TRANSPORT INFORMATION

UN number	Not regulated
Proper shipping name	Not regulated
Transport hazard class	Not classified
Packing group	—
Marine pollutant	No

15 REGULATORY INFORMATION

Classified and labelled in accordance with the Globally Harmonized System of Classification and Labelling of Chemicals (GHS, UN Rev. 9). Users should comply with the Manufacture, Storage and Import of Hazardous Chemical Rules, 1989 (India) and the Factories Act, 1948, where applicable.

16 OTHER INFORMATION

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The information in this Safety Data Sheet is based on our present knowledge and is given in good faith. It describes the product with regard to safety requirements and does not constitute a guarantee of product properties. Users are responsible for ensuring safe handling and compliance with applicable laws. Refer to the Technical Data Sheet for application information.