

## MATERIAL SAFETY DATA SHEET – Solvent Free Multi-Use Adhesive / PU ADHESIVE

### 1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND COMPANY DETAILS

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**TRADE NAME: Solvent Free Multi-Use Adhesive / PU Adhesive**

Chemical abstract no.: Mixture

Chemical family: Solvent mixture

NIOSH no.: Unknown

Chemical name: Mixture

Hazchem code: Unknown

Synonyms: None

UN no.: 2929 Toxic liquid, organics, NOS

### 2. KEY FEATURES

- Fast drying
- Outstanding water resistance
- High bonding strength on varied materials
- Solvent-free / eco-friendly
- Easy to use

### 3. TECHNICAL DATA

PROPERTY	UNIT	MEASURED VALUE
Appearance	-	Brown, viscous liquid
Consumption	g/m <sup>2</sup>	150 - 180
Specific Gravity at 25°C	g/cm <sup>3</sup>	1.1 ± 0.05
Viscosity at 25°C	cps	2000 ± 500
Application Humidity	% RH	40 – 90
Solid Content	%	>99
Open Time	Min	~ 10
Clamping Time	Min	90
Processing Temperature	°C	5 - 40

\* These items are provided as general information only. They are approximate values and are not considered part of the product specification.

#### 4. PROPERTIES

- Fast drying
- Outstanding water resistance
- High Bonding Strength, especially wood to wood
- Easy to use and apply
- No VOC or Low VOC
- Can be used in areas exposed to moisture and water
- Flexible even after bonding
- A strong bond is achieved after 2-3 hrs at ambient condition & optimum strength is achieved after 24 hrs.

#### 5. WORKING LIFE

Working life is dependent on ambient conditions. Higher the temperature and humidity, faster the curing rate.

#### 6. HOW TO USE

- Apply glue on a wood/any material piece
- Brush evenly
- Clamp both material pieces together with woodworking clamps
- Adjust and fix the position of the bonding pieces within 10 minutes
- Wipe off excess glue with a dry cloth
- Clamping the pieces for at least 90 mins
- Remove cured adhesive on the surface and smooth with sandpaper or cloth

\*Note that the adhesive working time is dependent on ambient conditions. Higher the temperature and humidity, faster the curing rate.

\*The adhesive forms bonding after 2-3 hrs at ambient conditions and reaches optimum bonding strength after 24 hrs.

#### 7. HANDLING AND STORAGE

The PU Adhesive should be stored in their original, unopened containers at a temperature range between 20°C and 30°C. The shelf life of unopened, sealed containers is approximately six months under those storage conditions.

## 8. FIRST-AID MEASURES

Product in eyes: Remove any contact lenses from the eyes before rinsing thoroughly with plenty of water (lift eye lids). Rinse for at least 15 minutes. Seek medical attention if any discomfort.

Product on skin: Wash skin with soap and water. Seek medical attention if irritation persists.

Product ingested: Do not induce vomiting. Seek medical attention immediately.

Product inhaled: Move to fresh air and seek medical if nausea and dizziness persists.

## 9. FIRE-FIGHTING MEASURES

Extinguishing media: Water, dry chemical powder, foam, carbon dioxide or sand.

Special hazards: In case of fire, hazardous combustion-gases are formed - CO. Toxic vapors may be released. Cool containers exposed to flames with water until well after the fire is out. Vapor accumulation could flash and/or explode if ignited.

Protective clothing: In case of fire, wear respiratory protection such as NIOSH approved breathing equipment.

## 10. ACCIDENTAL RELEASE MEASURES

Personal precautions: Wear NISOH approved self-contained breathing apparatus.

Environmental precautions: Avoid contamination of ground and water surfaces.

Small spills: If recovery is not feasible, absorb with dry sand, soil or non-reactive absorbent material or coagulate by sprinkling sodium chloride over spill. If product has dried, scrape off the ground. Place in a container suitable for disposal.

Large spills: Stop leak if without risk. Ventilate area. Prevent entry into drains or sewers. Clean as per small spills.

## 11. EXPOSURE CONTROLS AND PERSONAL PROTECTION

### Occupational exposure limits:

Engineering controls: Provide good ventilation when handling large quantities. No special measures are required if stored and handled as above. Ventilation must be explosive proof.

Respiratory protection: Not required under normal conditions of use in well-ventilated space.

Hand protection: Rubber gloves should be used if there is a risk of direct contact with the skin.

Eye protection: Safety glasses should be worn.

Skin protection: Observe the usual precautions when handling chemicals. Remove soiled or soaked clothing immediately.

Other protection: Wash hands at the end of each work shift and before eating.

## 12. OTHER INFORMATION

The information provided in this Technical Data Sheet is based on the present state of our knowledge.

This data is intended to enable safety assessments to be made and should not be construed as guaranteeing specific properties. Recipients of our products must take responsibility for observing existing laws and regulations.