



# ANCHOR ALLIED FACTORY LTD.

MFG. OF SELF-ADHESIVE TAPES, SILICONE & ACRYLIC SEALANTS, SPRAY PAINTS AND CAR CARE PRODUCTS

P.O. Box: 21152, Sharjah, U.A.E.

E-mail: info@anchorallied.com

Tel.: +971-6-5342091, Fax: +971-6-5342107

Website: www.anchorallied.com



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## MATERIAL SAFETY DATA SHEET

### SECTION 1: PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME: **ASMACO Pro PU**

MANUFACTURER: ANCHOR ALLIED FACTORY LIMITED

ADDRESS: P O BOX. 21152, SHARJAH, UAE

PHONE: +971 6 5342091

FAX: +971 6 5342107

E-mail: info@anchorallied.com

USE: GENERAL PURPOSE SEALING AND BONDING

### SECTION 2: INGREDIENTS

Composition	CAS No.	% (By mass)
Proprietary polyurethane Prepolymer	39420-98-9	20 - 40
Xylene	1330-20-7	5 - 10
Calcium Carbonate	471-34-1	15 - 25
Fumed silica	112945-52-5	5 - 10
PVC Resin	9002-86-2	5 - 10
Titanium dioxide	13463-67-7	0 - 5

Actual concentration is withheld as a trade secret.

### SECTION 3: HAZARDS IDENTIFICATION

GHS classification in accordance with 29 CFR 1910.1200

Respiratory sensitization: Category 1

Skin sensitization: Category 1

Carcinogenicity (Inhalation): Category 1A

Specific target organ toxicity repeated exposure (Inhalation)

#### GHS label elements

Hazard pictograms:



Signal Word:

Danger

Hazard Statements:

H317 May cause an allergic skin reaction.

H334 May cause allergy or asthma symptoms or breathing difficulties if inhaled.

**Precautionary Statement:****Prevention:**

P201 Obtain special instructions before use.  
P202 Do not handle until all safety precautions have been read and understood.  
P202 Do not handle until all safety precautions have been read and understood.  
P260 Do not breathe dust/ fume/ gas/ mist/ vapors/ spray.  
P272 Contaminated work clothing must not be allowed out of the workplace.  
P280 Wear protective gloves/ protective clothing/ eye protection/ face protection. P284  
Wear respiratory protection.

**Response:**

P302 + P352 IF ON SKIN: Wash with plenty of soap and water.  
P304 + P340 IF INHALED: Remove person to fresh air and keep comfortable for breathing.  
P308 + P313 IF exposed or concerned: Get medical advice / attention.  
P333 + P313 If skin irritation or rash occurs: Get medical advice/ attention.  
P362 + P364 Take off contaminated clothing and wash it before reuse.

**Storage:**

P405 Store locked up.

**Disposal:**

P501 Dispose of contents/ container to an approved waste disposal plant.

**Additional Labelling:**

There are no ingredients with unknown acute toxicity used in a mixture at a concentration  $\geq$  1%.

**Other hazards:**

Intentional misuse by deliberate concentration and inhalation of vapor may be harmful or fatal.

**SECTION 4: FIRST AID MEASURES****General advice:**

Move out of dangerous area.  
Consult a physician.  
Show this material safety data sheet to the doctor in attendance.

**If inhaled:**

Move to fresh air.  
Consult a physician after significant exposure.

**In case of skin contact:**

Take off contaminated clothing and shoes immediately.  
Wash off with soap and plenty of water.  
If symptoms persist, call a physician.

**In case of eye contact:**

Remove contact lenses.  
Keep eye wide open while rinsing.  
If eye irritation persists, consult a specialist.

**If swallowed:**

Clean mouth with water and drink afterwards plenty of water.  
Do not induce vomiting without medical advice. Do not give milk or alcoholic beverages.  
Never give anything by mouth to an unconscious person. Obtain medical attention.

**Most important symptoms and effects,****both acute and delayed:**

Asthmatic appearance Allergic reactions

**Sensitizing effects:**

May cause an allergic skin reaction.  
May cause allergy or asthma symptoms or breathing difficulties if inhaled.  
May cause cancer by inhalation.  
May cause damage to organs through prolonged or repeated exposure if inhaled.

**Notes to physician:**

Treat symptomatically.

## SECTION 5: FIRE FIGHTING MEASURES

Suitable extinguishing media:	Use extinguishing measures that are appropriate to local circumstance and the surrounding environment.
Further information:	Collect contaminated fire extinguishing water separately. This must not be discharged into drains. Fire residues and contaminated fire extinguishing water must be disposed of in accordance with local regulations.
Special protective equipment for fire-fighters:	In the event of fire, wear self-contained breathing apparatus.

## SECTION 6: ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures:	Use personal protective equipment. Deny access to unprotected persons.
Environmental precautions:	Do not flush into surface water or sanitary sewer system. Local authorities should be advised if significant spillages cannot be contained.
Methods and materials for containment and cleaning up:	Soak up with inert absorbent material (e.g. sand, silica gel, acid binder, universal binder, sawdust). Keep in suitable, closed containers for disposal.

## SECTION 7: HANDLING AND STORAGE

Advice on protection against fire and explosion:	Normal measures for preventive fire protection.
Advice on safe handling:	Avoid exceeding the given occupational exposure limits (see section 8). Do not get in eyes, on skin, or on clothing. For personal protection see section 8. Persons with a history of skin sensitization problems or asthma, allergies, chronic or recurrent respiratory disease should not be employed in any process in which this mixture is being used. Smoking, eating and drinking should be prohibited in the application area. Follow standard hygiene measures when handling chemical products.
Conditions for safe storage:	Store in original container. Keep container tightly closed in a dry and well-ventilated place. Observe label precautions. Store in accordance with local regulations.

## SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

<b>Engineering measures:</b>	Use of adequate ventilation should be sufficient to control worker exposure to airborne contaminants. If the use of this product generates dust, fumes, gas, vapor or mist, use process enclosures, local exhaust ventilation or other engineering controls to keep worker exposure below any recommended or statutory limits.
<b>Personal protective equipment</b>	
Respiratory protection:	Use a properly fitted NIOSH approved air-purifying or air-fed respirator complying with an approved standard if a risk assessment indicates this is necessary. The filter class for the respirator must be suitable for the maximum expected contaminant concentration (gas/vapor/aerosol/particulates) that may arise when handling the product. If this concentration is exceeded, self-contained breathing apparatus must be used.
Hand protection:	Chemical-resistant, impervious gloves complying with an approved standard should be worn at all times when handling chemical products if a risk assessment indicates this is necessary.
Eye protection:	Safety eyewear complying with an approved standard should be used when a risk assessment indicates this is necessary.
Skin and body protection:	Choose body protection in relation to its type, to the concentration and amount of dangerous substances, and to the specific work-place.
Hygiene measures:	Avoid contact with skin, eyes and clothing. Wash hands before breaks and immediately after handling the product. Remove contaminated clothing and protective equipment before entering eating areas. Wash thoroughly after handling.

## SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

Appearance:	Paste
Color:	Various
Odor:	Aromatic Odor
Threshold:	No data available
pH:	Not applicable
Melting point/range / Freezing point:	No data available
Boiling point/boiling range:	No data available
Flash point:	Not applicable
Evaporation rate:	No data available
Flammability (solid, gas):	No data available
Upper explosion limit /	
Upper flammability limit:	No data available
Lower explosion limit /	
Lower flammability limit:	No data available
Vapor pressure:	0.01 hpa
Relative vapor density:	No data available
Density:	ca. 1.30 g/cm <sup>3</sup> ±0.02 (73 °F / 23 °C)
Water solubility:	insoluble
Solubility in other solvents:	No data available
Partition coefficient in	
octanol / water:	No data available

Autoignition temperature:	No data available
Decomposition temperature:	No data available
Viscosity	
Viscosity, dynamic:	No data available
Viscosity, kinematic:	> 20.5 mm <sup>2</sup> /s
Explosive properties:	No data available
Oxidizing properties	No data available Volatile organic compounds
(VOC) content:	37 g/l

## SECTION 10: STABILITY AND REACTIVITY

Reactivity:	No dangerous reaction known under conditions of normal use.
Chemical stability:	The product is chemically stable.
Possibility of hazardous reactions:	Stable under recommended storage conditions.
Conditions to avoid:	No data available
Incompatible materials:	No data available
Hazardous decomposition products:	No decomposition if stored and applied as directed.

## SECTION 11: TOXICOLOGICAL INFORMATION

### Acute Toxicity

Not classified based on available information.

### Components:

#### xylene:

Acute oral toxicity:	LD50 Oral (Rat): 3,523 mg/kg
Acute dermal toxicity:	LD50 Dermal (Rabbit): 1,700 mg/kg

#### ethylbenzene:

Acute oral toxicity:	LD50 Oral (Rat): 3,500 mg/kg
Acute dermal toxicity:	LD50 Dermal (Rabbit): 5,510 mg/kg

### Toluene diisocyanate, oligomeric reaction products with 2,2'-oxydiethanol and propylidenetriethanol:

Acute oral toxicity:	LD50 Oral (Rat): > 5,000 mg/kg
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### 4,4'-methylenediphenyl diisocyanate:

Acute inhalation toxicity:	Acute toxicity estimate: 1.5 mg/l Test atmosphere dust/mist Method Expert judgment.
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### Skin corrosion/irritation

Not classified based on available information.

### Serious eye damage/eye irritation

Not classified based on available information.

### Respiratory or skin sensitization

#### Skin sensitization

May cause an allergic skin reaction.

#### Respiratory sensitization

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

### Germ cell mutagenicity

Not classified based on available information.

## SECTION 12: ECOLOGICAL INFORMATION

### Ecotoxicity

#### Components

#### Ethylbenzene:

**Persistence and degradability:** No data available

**Bio accumulative potential:** No data available

**Mobility in soil:** No data available

### Other adverse effects

#### Product:

Additional ecological  
information:

Do not empty into drains; dispose of this material and its container in a safe way.  
Avoid dispersal of spilled material and runoff and contact with soil, water ways,  
drains and sewers.

## SECTION 13: DISPOSAL CONSIDERATIONS

### Disposal methods

Waste from residues:

Disposal of this product, solutions and any by-products should at all times comply  
with the requirements of environmental protection and waste disposal legislation  
and any regional local authority requirements.

Contaminated packaging:

Empty containers should be taken to an approved waste handling site for  
recycling or disposal.

## SECTION 14: TRANSPORT INFORMATION

### International Regulations

Not regulated for transport.

By Road / Rail (RID / ADR):

Not restricted / Not classified as dangerous goods

By Sea (IMO/IMDG):

Not restricted / Not classified as dangerous goods

By Air (ICAO-IATA):

Not restricted / Not classified as dangerous goods

The above regulatory prescription is those valid on the date of publication of this sheet.

Given the possible evolution of transport regulation for hazardous materials, it would be advisable to check their validity  
with your sales office.

## SECTION 15: REGULATORY INFORMATION

### Dangerous symbols



### Harmful phrases

20/21:

Harmful by inhalation and by skin contact

42/43:

May cause sensitization by inhalation and skin contact phrases

23:

Do not breathe gas / fumes/ vapor / spray

45:

In case of accident or if you feel unwell, seek medical advice immediately  
(show label where possible)

Special labeling for certain preparations  
Contains isocyanates, observe  
manufacturer's instructions  
Toxicology low (CH)] Toxicology class: 3  
Water hazardous class (WGK): 2

## SECTION 16: OTHER INFORMATION

### Disclaimer

The information in this Material Safety Data Sheet (MSDS) is believed to be correct as of the date of issue. However, no warranty or representation, express or implied, is made as to the accuracy or completeness of the foregoing data and safety information, nor is any authorization given for implied to practice any patented invention without a license. User is responsible for determining whether the ASMACO product is fit for a particular purpose and suitable for user's method of use or application. In addition, no responsibility can be assumed by vendor for any damage or injury resulting from abnormal use, from any failure to adhere to recommended practices or from any hazard inherent in the nature of the product. This product must be stored, handled, and used in compliance with current regulation and laws. Furthermore, the specifications and description herein cannot be used to void a contract.