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## AM-PU Series

Comprehensive  
chemical solutions for  
Polyurethanes



**AIK MOH**

## Overview

We are Aik Moh. We are a leading SEA chemical distributor and service provider. We offer wide range of chemicals and chemical related services including toll blending, repacking and other logistics support. We also formulate and blend specialty chemicals which are applied to various industries.

Aik Moh currently operates 5 chemical factories (3 in Singapore, 1 in Selangor Malaysia, and 1 in Batam Indonesia) as well as 8 sales offices in 5 different countries across South East Asia.

## Polyurethane Business Group (PU-BG)

In 2019, Aik Moh forms a new Business Group – Polyurethanes to provide comprehensive chemical solutions for the Flexible, Moulded, Rigid, & Semi-Rigid Polyurethane market sector.

Leveraging on the strength of the group which is the multifaceted and long-term relationship with most Chemical Producers across the region, we are able to acquire supply sources from Established, Reliable, and Competitive Chemical producers that help to fulfil the every need of polyurethane foam formulators and manufacturers. Our professional team also provides technical solutions to extend and sustain customers' growth and demand requirements.

AM-PU's vision is not only to be premier supplier of high-performance & cost-effective products, but also partner to our customers, enhancing their products' performance and value.



**Polyether Polyols** also known as Poly Propylene Glycols (PPG) are Hydroxyl Functional Oligomers with specific chain-length of Propylene Oxide (and also Ethylene Oxides) to form various molecular-weights (MW) suitable for the various foam type.

## Product Function

- Key raw material in polyurethane foam formed by reaction with an isocyanate.
- Different molecular-weights help provide different foam hardness, feel, & load-bearing resistance.

## Product Range

### Flexible Slabstock

- 3000MW EO-PO POLYOL
- 3000MW All-PO POLYOL
- 3500MW POLYOL
- 5000MW / HIGH-RESILIENT POLYOL
- POLYMER POLYOL

### Rigid & Semi-Regid

- SUCROSE-Base 600MW POLYOL

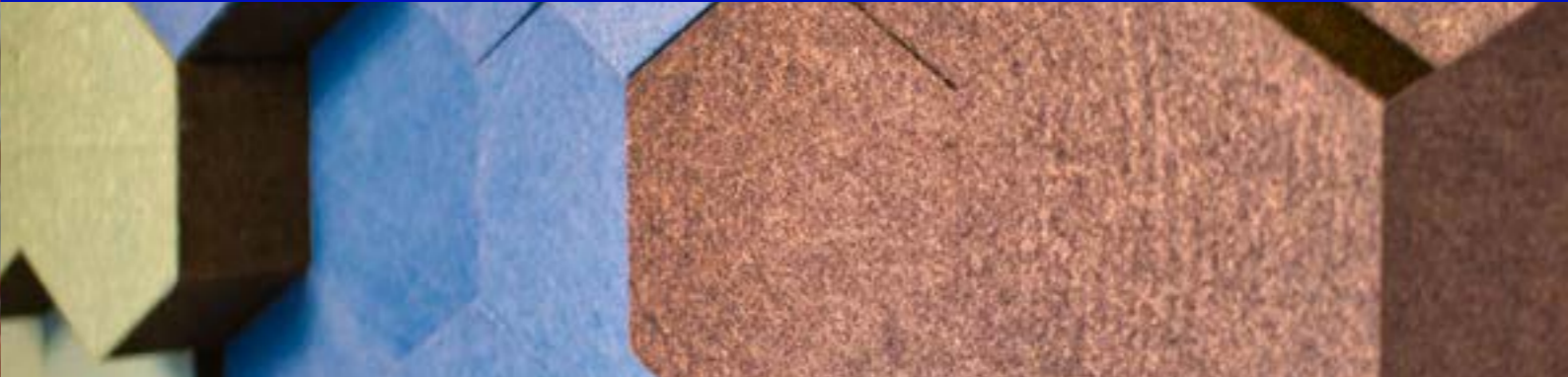
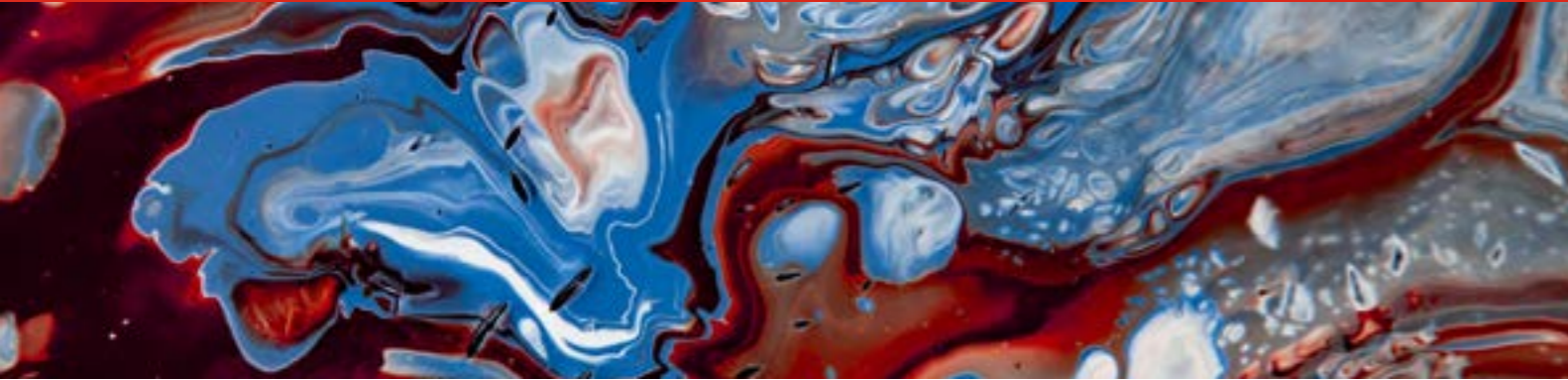
### Moulded Foam

- 5000MW POLYOL
- 6000MW POLYOL

### Coating, Adhesive, Sealant, Elastomer

- 2000MW POLYOL
- 1000MW POLYOL





**Silicone Surfactant** is a surfactant made from Dimethyl Siloxane (Hydrophobic Moiety) and the various chain-length of Polyethers (Hydrophilic Moiety) to perform the various functions.

## Product Function

- For Cell Control and Stability of Foaming
- Key additive to determine foam performance

## Product Range

Flexible Slabstock	Application
WynPUF* XH 2581	Universal Medium-High Potency
WynPUF* XH 2595	High Potency with excellent cell structure and high yield surfactant
WynPUF* XH 2590	Medium Potency FR surfactant
WynPUF* XH 2902	Low Potency and wide processing latitude for slow recovery and high density foam surfactant
WynPUF* XH 2618	Medium Potency, wide processing latitude and fine cell surfactant
WynPUF* XH 2833	High Potency with excellent in-cell opening for HR Slab foam surfactant

Rigid & Semi-Rigid	Application	Moulded Foam	Application
WynPUF* XH 1690	General purpose with Good K-Factor for Panel and appliance	WynPUF* XH 2815	For High MDI-based formulations
WynPUF* XH 1193	High compressive, improved FR and for shoe sole system	WynPUF* XH 2836	For High TDI based formulations
WynPUF* XH 1625	High-Performance, excellent for pentane, HFC, HFC blown system		

**Tin & Amine Catalyst** are series of additives to act as catalyst in the polyurethane process consisting of 2 key types; Stannous Octoate (Tin) and Triethylenediamine (TEDA).

## Product Function

- Provide balance and control of the foaming reactions and end curing
- Optimize physical properties
- Control foam breathability
- Minimize density gradient
- Minimize ILD gradient
- Improve surface curing
- Provides better control in flowability

## Product Range

- Tin Catalyst Stannous Octoate
- Gel Catalyst – 33% TEDA / 67% DPG
- Blow Catalyst – 30% BDMAEE / 70% DPG
- Delayed Action Balanced Catalyst – TA-112
- Surface Curing Catalyst – TA-2070

\*WynPUR is the trademark of Topwin Company\*  
Available in Steel Drums (200KG)

Available in Pail (25KG)



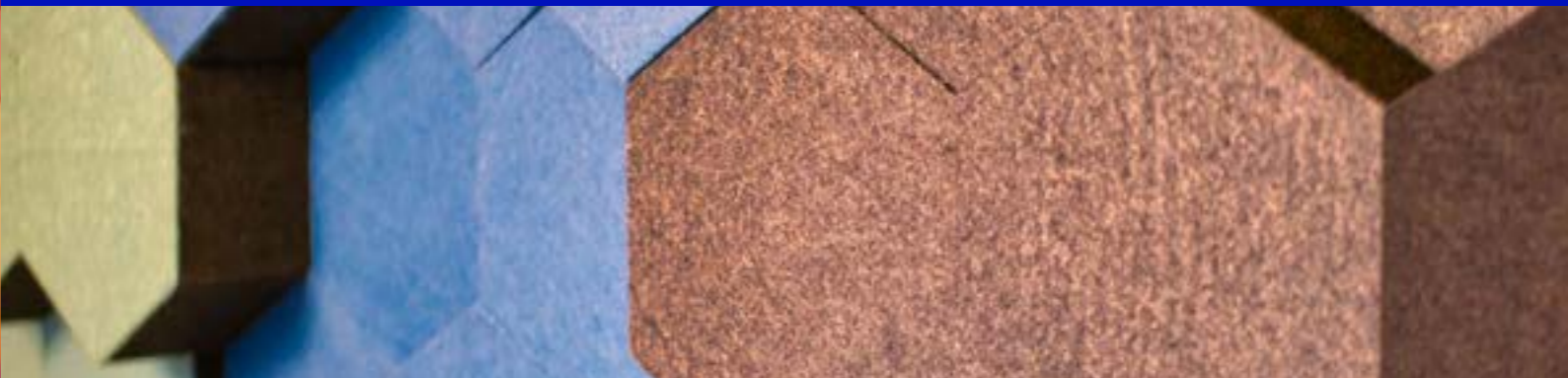


**Aromatic Isocyanates** upon reaction with Polyols will create the polyurethane process. The aromatic compound is either Toluene or Diphenyl.

## Product Range

- Toluene Diisocyanate (TDI) 80/20
- Methylene Diphenyl Diisocyanate (MDI)
  - Polymeric
  - Monomeric
  - Modified

Available in Steel Drums (200LTR)



**Blowing Agents** are used to adjust the various foam density, firmness, and provide cooling for the foaming process.

## Product Range

### Flexible Slabstock

- Methylene Chloride

### Rigid Foam

- Cyclopentane

Available in Steel Drums (200LTR)



**Chemistry, Bonds with Passion**



# AIK MOH

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### **Product Safety, Handling and Storage**

Customers considering the use of this product should review the latest Material Safety Data Sheet and label for product safety information, handling instructions, personal protective equipment if necessary, and any special storage conditions required. Material Safety Data Sheets are available upon request, from any Aik Moh representative. Use of other materials in conjunction with products may require additional precautions. Please review and follow the safety information provided by the manufacturer of such other materials.



**Discover our  
Polyurethanes  
solutions today!**