

# 25-1370 (AEKYUNG AHW-2000) ALIPHATIC POLYISOCYANATE

## TECHNICAL DATA SHEET

### APPLICATIONS

Adhesives  
 Polyurethanes requiring lower VOC  
 Polyurethanes requiring improved weathering  
 Crosslinking agent for aqueous polyol binders

### DESCRIPTION

25-1370 is an aliphatic polyisocyanate based on HDI trimer. It is supplied at 100% solids and has a lower viscosity versus other solvent-free aliphatic polyisocyanates.

25-1370 can be formulated in aqueous clear and pigmented two component urethane systems. These systems will provide excellent weathering, chemical and abrasion resistance. Because 25-1370 is based on HDI trimer, it will usually offer better weathering performance versus biuret based products. In addition due to its low viscosity, the 25-1370 is ideal for high solids coatings and can also be used in aqueous two component polyurethane systems.

### SOLUBILITY AND COMPATIBILITY

25-1370 is completely soluble in xylene, toluene, ethyl acetate and butyl acetate.

### KEY BENEFITS

Abrasion resistance  
 Chemical resistance  
 High NCO content  
 Weather resistance

25-1370 can be blended with a variety of other aliphatic and aromatic polyisocyanates. It also has good compatibility with many hydroxyl functional polymers such as polyesters, polyacrylates and polyethers.

### TYPICAL PROPERTIES

% Solids	100
Viscosity @ 25°C (mPa.s)	2,600– 3,600
Color (APHA)	40 maximum
% NCO Content	17.0 - 18.0
% Free Monomer	0.5 maximum
Equivalent Weight (Total Weight)	240
Weight Per Gallon @ 25°C	9.26