



## TERACURE® N-75 BA

Aliphatic Polyisocyanate Hardener Based On Hexamethylene Diisocyanate Biuret (HDI) at 75% Solids in Butyl Acetate

### TYPICAL CHARACTERISTICS

Appearance	Clear Liquid
NCO (As Supplied) %	16.5 ± 0.5
Weight Per Gallon, Lbs @25°C	8.77
Flash Point (CC), °C. Approx	35
Viscosity @25°C, mPa@s	150 ± 100
Equivalent Weight, Avg. (As Supplied)	255
Color, Hazen (APHA)	≤ 40
Hexamethylene Diisocyanate Monomer (HDI), %	< 0.3
Solids Content, Approx, %	75
Bulk Density, kg/m @25°C, Approx	1050

### COMPATIBILITY

Teracure® N-75 BA is a solvent-based aliphatic polyisocyanate based on Hexamethylene Diisocyanate Biuret (HDI homopolymer). Teracure® N-75 BA is designed for use in 2K polyurethanes and polyaspartic coatings systems, both clear and pigmented.

Supplied as 75% solids in Butyl Acetate, Teracure® N-75 BA is soluble in esters (such as ethyl acetate, propylene glycol monomethyl ether acetate); ketones (such as acetone, methyl ethyl ketone, methyl isobutyl ketone, cyclohexanone); aromatic hydrocarbons (such as toluene, Aromatic 100), and mixtures of these solvents.

In blends of solvents and other materials with Teracure® N-75 BAX, contaminants such as moisture and reactive groups (hydroxyl or amino groups) must be avoided. Use only solvents that contain no more than 0.05% water as a maximum. In all cases, the blends should be carefully evaluated and tested for stability in storage. Do not dilute Teracure® N-75 with solvents to below a solids content of 35% by weight. Do not use aliphatic hydrocarbon solvents with Teracure® N-75.

Teracure® N-75 BA can be blended with aliphatic polyisocyanates and aromatic polyisocyanates, but in each case the compatibility must be tested for stability.

### APPLICATIONS

Teracure® N-75 BA is recommended as a hardener with hydroxylated resins such as polyesters, and acrylics. Both clear and formulated N-75 BA based coatings have very good weather, abrasion, and chemical resistance. Coatings based on Teracure® N-75 BA also have

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excellent gloss and color retention. The working time of these 2K Teracure® N-75 BA-based coatings should be evaluated under various conditions before commercial use.

## FEATURES

Solvent-Based for Low-Viscosity Systems  
 Hardener for Both Polyurethanes and Polyaspartics, Clear and Pigmented  
 Outstanding Resistance to Solvents and Other Chemicals  
 Excellent Weatherability, Durability and Gloss Retention  
 Outstanding Mechanical Properties and Abrasion Resistance  
 Compatible with a Variety of Other Isocyanates  
 Preferred for Use With Polyacrylate or Polyester Polyols

## PROUDCT USES (For professional use only. Not intended for retail sales.)

Teracure® N-75 BA must be tested in advance in both laboratory and hands-on trials before use to determine the best formulation and suitability for use and application. Pflaumer's technical service center personnel are available to answer formulating questions. Recommended starter formulations are available upon request for specific applications.

## OTHER PFLAUMER PRODUCTS FOR THE FORMULATOR

Pflaumer offers other products for formulating 2K coatings:

Terachem ® 53-Colorants	37 Ready-to-use pigment dispersions for 2K polyurethanes and polyaspartics, including color packs for on-site use
Teracure ® Aliphatic Polyisocyanates	Complete line of HDI-based trimer isocyanates
Teraspartic ®Polyaspartic Amines	For slow, medium, and fast curing
Terachem ®53-2242	Anti-sag additive for 2K polyaspartics
Terachem ®53-2371	Aluminum Oxide Nano-Dispersion for 2K polyaspartics
Tallicin ®1500	Flow and leveling modifier
Tallicin ®3000	Pot life extender for trimer-type isocyanates used in 2K polyurethanes
Tallicin ®4000	Bubble-release, agent and flow/leveling modifier for high-solids polyurethanes
Tallicin ® 4040	Bubble-release, flow and leveling modifier for solvent-free polyaspartics and polyurethanes
Tallicin ®4600	Stabilized Tin Catalyst for Polyurethanes

## SAFETY, STORAGE, AND HANDLING

Consult MSDS before use. Store Teracure® N-75 BA in tightly sealed containers. Prevent contact with moisture and excess humidity. Once opened, any remaining Teracure® N-75 BA in the container is best stored under dry nitrogen blanketing. Store, transfer, and handle under a

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nitrogen blanket. Replace damaged gaskets on drums or totes. Keep storage temperatures at 15°C - 35°C (59°F - 95°F).

Shelf life of Teracure® N-75 BA is 9 months from date product is shipped by Pflaumer and maintained in original closed containers and stored in proper storage conditions at 25°C (75°F). If repackaging, use containers that will prevent moisture contamination. Avoid containers made with polyethylene, polystyrene, copper or tin.

## **CONTAINER SIZES**

55 gallon drums (215 Kg/474 Lb)

275 gallon totes (1075 Kg/2370 Lb)