

UNIPLEX 108

N-ETHYL o/p-TOLUENE SULFONAMIDE

CAS NO. 1077-56-1, 80-39-7 AND 8047-99-02

UNIPLEX 108 is one of the most widely compatible plasticizers. It readily plasticizes nylon, other polyamides, shellac, cellulose acetate and protein materials. UNIPLEX 108 is outstanding for making compounds resistant to oils, solvents, and greases.

For nylons, UNIPLEX 108 is one of the best plasticizers known. However, unless FDA clearance is needed, UNIPLEX 214 is a more economical choice. UNIPLEX 108 imparts toughness without adversely affecting other properties. It lowers the melting point and improves low temperature flexibility.

In polyvinyl acetate adhesives, UNIPLEX 108's good grease resistance and flexibility develops good tack for joining difficult surfaces, such as metal to rubber. In hot melts, UNIPLEX 108 improves flexibility for formulating book bindings and shoe adhesives.

In cellulose acetate formulations, UNIPLEX 108 imparts excellent brilliance and gloss, while improving water and scuff resistance, oil resistance, and gives heat and light resistance to discoloration.

In nitrocellulose lacquers, UNIPLEX 108 enhances adhesion, flexibility, and resistance to water, oils, and greases.

UNIPLEX 108 is approved by the U.S. Food and Drug Administration (FDA) according to Code of Federal Regulation 21:

- 175.105 (Indirect food additives, adhesives, and coatings)
- 175.300 (Resinous and polymeric coatings)

SPECIFICATIONS:

Appearance	Clear, oily liquid, with no suspended matter
Acidity (meq./100g)	0.8 maximum
Color (APHA)	200 maximum
Odor	Characteristic
Moisture	0.5% maximum
Assay (ortho/para isomers)	97% minimum

PROPERTIES:

Molecular Weight:	199
Refractive Index @ 25°	1.535 - 1.545
Specific Gravity @ 25°	1.184- 1.187
Pour Point	- 10°C or + 14°F Typical
Solidification Temperature	0°C
Boiling Point (10 mm Hg)	196°C
Flash Point (COC)	345°F

HANDLING INFORMATION:

Refer to Material Safety Data Sheet

These suggestions and data are based on information we believe to be reliable. They are offered in good faith, but without guarantee, as conditions and methods of use of our products are beyond our control. We recommend that the prospective user determine the suitability of our materials and suggestions before adopting them on a commercial scale. Suggestions for uses of our products should not be understood as recommendations that they be used in violation of any patents.

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