



Kane International Corporation
411 Theodore Fremd Avenue
Rye, New York 10580
Phone: (914) 921-3100
Fax: (914) 921-3180

KANE INTERNATIONAL CORPORATION

STYSOLAC AW PLASTICIZER

A unique non-migrating, nonvolatile, non-hydroscopic resin plasticizer for use in both solvent and water base ink and coatings applications.

Drug Master File 8005

CAS 37281-57-5

Type:	High Molecular weight control
Composition:	Single polyoxethylene compound
Molecular Weight:	Approx. 194-202.6
Appearance:	Clear, oily liquid (100% solids), slight, sweet odor
Color:	Very pale straw yellow
Specific Gravity:	0.97
Boiling Point:	285 – 290 degrees C (545 – 554 degrees F)
Flash Point:	150 degrees C
Weight Per Gallon:	9 lbs. (approx.)
Pack:	35 lbs. & 450 lb. Drums

An effective plasticizer for (water-based) alkalized polyner resinates and more polar resin dispersions, as well as for the more alcohol soluble type resin solutions.

Advantages:

- **VOC free**
- Promotes gloss and adhesion
- Improves levelling of water-based floor coatings
- Dye solvent for enhancing color value
- Facilitates film forming properties
- Anti-skid Agent
- Anti-foam Agent
- No known freezing point
- Particularly effective in conjunction with cationic acrylic resins

Selective Applications:

- Inks (solvent and water based flexo and gravure marking inks)
- Adhesives (polymer)
- Films (PV alcohol)
- Nylon (solid filaments and yarns)
- Lacquers and coatings (solvent and water-based)
- Dye carrier

Suggested use: 1-5% based on resin weight

Stysolac AW is registered in accordance with the provisions of the Toxic Substances Control Act.



Kane International Corporation
411 Theodore Fremd Avenue
Rye, New York 10580
Phone: (914) 921-3100
Fax: (914) 921-3180

STYSOLAC AW

Page 2

USDA, Food Safety and Quality Service in Washington, reports that Stysolac AW is chemically acceptable as a component of packaging material in direct contact with meat and poultry food products:

Compatible with

Shellac
Cationic Acrylics
Acrylics
Styrenated Shellac
Acrylated Shellac
Polyvinyl Acetals
Polyvinyl Pyrrolidone
Polyamides
Alkali-Soluble Polymers
Polar-Type Polymers
Low Hydrolyzed Polyvinyl
Alcohol (75-77%)
Natural Resins
Shellac Replacements
Lacquer Resins
Nitrocellulose
Cellulose Acetate
Cellulose Propionate
Cellulose Aceto-Butyrate
Ethyl Cellulose
Zein
Polyvinyl Acetate

Miscible with

Alcohols
Ketones
Esters
Chlorinated Solvents
Aromatic Solvents

Incompatible with

Synthetic Microcrystalline Wax
Non-Polar Material
Natural Rubbers
Synthetic Rubbers
Polyethylene (limited)
Polyvinyl Chloride
Polystyrene
Ordinary Petroleum Waxes (limited)
Starches
Casein
Glue
Vegetable Gums
Cellulose Gums

Partly Miscible with

Aliphatic Petroleum Hydrocarbons
Water (although non dispersible in plain water and non-hygroscopic, it is readily dispersible in aqueous resin solutions or dispersions; also improves compatibility between resins where it acts as a mutual plasticizer)