

Technical Data Sheet**PRODUCT NAME: SUNPOLYMER EI-9003****Product Descriptions:**

SUNPOLYMER EI-9003 is a high viscosity ethylenimine homopolymer.

Active Advantages:

- ❖ Adhesion promoter for extrusion polyethylene with Paper
- ❖ Adhesion promoter for extruded polyethylene to paper and film.
- ❖ Adhesion promoter for radiation curing coatings and inks on metallic substrates.
- ❖ Adhesion promoter for water born inks and coating formulations

Basic Properties:

- ❖ Color: Colorless to pale yellow
- ❖ Solids content Percent by Weight: 44±2
- ❖ Density (20°C): 1.08±0.04 g/cm³
- ❖ Pour Point: -3 ±1°C
- ❖ Viscosity (20°C): 14,000 – 40,000 cps

Area of Application:

- ❖ Flexible Packaging
- ❖ Adhesives
- ❖ Inks & Coatings

FDA information:

- ❖ FDA publication circumstance of polyethyleneimine having CAS No .9002-98-6 is published by the following 1), 2), of 3).

1) Adhesive industry :

- ❖ Part 175 Indirect food additives: Adhesive coating and component.
- ❖ 175.105 Adhesives
- ❖ 175.320 Resinous and polymeric coatings for polyolefin films.

2) Food package :

- ❖ Part 177 Indirect food additives: Polymers
- ❖ 177.1200 Cellophane
- ❖ 177.1400 Water-insoluble hydroxyethyl cellulose film.

3) Paperboard industry :

- ❖ Part 176 Indirect food additives: Paper and paperboard components.
- ❖ 176.170 Components of paper and paperboard in contact with aqueous and fatty food. (Limited to use at a level not to exceed 5% by weight of finished dry paper or paperboard fibers.)
- ❖ 176.180 Components of paper and paperboard in contact with dry food. (Limited to use at a level not to exceed 5% by weight of finished dry paper or paperboard fibers.)

Packing Size:

- ❖ 64 , 120 Kg plastic barrel

Safety & Handling:

For safe handling must be follow instruction as under:

- ❖ It should be stored in cool and dry place sealed original pack.
- ❖ Avoid additives, contact with human body, wear gloves & mask during the handling the polymer lumps.
- ❖ In case of body contact carefully wash with acetone and alcohol, after that thoroughly clean with soap and water.
- ❖ In case of eye contact, wash with running water for about 15-20 minutes and treat under the supervision of medical officer only.

Storage Conditions:

- ❖ It should be stored in dry place temperature in between 4-40 centigrade in original barrel kept tightly closed.

Disclaimer: All suggestions for use of our recommended products cited here are based on the results of tests carried out in our R&D lab and correct to the best of our knowledge and belief. However, no legal liability can be accepted with respect of such information as we cannot control the application procedures adopted by our users. We suggest having a pilot trial for the users prior to full commercialization of this product.