

Technical Bulletin

Product Name: **ENVIROPEG™ E20,000V**

Chemical Description: Polyglycol Ether
 CAS Registry No: 25322-68-3
 Linear Formula: H-(OCH₂CH₂)_n-OH
 Chemical Family: Polyethylene Glycol

Available Material Forms: Granular (GR), Powder (PD)

Product Description: ENVIROPEG™ E20,000V is 100% active white solid that is soluble in water and other polar organic solvents. ENVIROPEG™ E20,000V is used as a lubricant, viscosity modifier, softener, carrier and humectant in diverse range of industries and applications. Polyethylene Glycols have two primary hydroxyl groups which make them versatile chemistries for the Chemical Intermediate market.

Markets:

- Adhesives
- Ceramics
- Chemical Intermediates
- Electronics
- Metal Working
- Oil & Gas
- Paints & Coatings
- Personal Care
- Rubber & Elastomers
- Wood Treatment

Applications:

- Casting & Molds
- Encapsulation
- Hand & Body Creams
- Hot Melt Adhesives
- Lubricants
- Oilfield Stimulation Chemicals
- Rubber Process Aid
- Wood Impregnation

Typical Properties:	Average Molecular Weight Range	16,028 – 28,050
	Average Hydroxyl Number Range, mg KOH/g	4 – 7
	Viscosity @ 38°C, cSt	85.0 – 300.0
	pH @ 25°C (1% in H ₂ O)	4.5 – 7.5
	Melting or Freezing Range, °C (°F)	57 – 64 (134 – 147)
	Solubility in Water (Wt% @ 20°C)	52
	Density (g/cm ³ @ 20°C)	1.225

1. Typical Properties, not to be construed as specifications.

* Refer to the ENVIROPEG™ Polyethylene Glycols and Methoxypolyethylene Glycols brochure for more specific application information

Toxicity & Safety: For information on the toxicity and safe handling of this product, read the Material Safety Data Sheet prior to use of product.

Storage & Handling: Normal safety precautions (i.e. gloves and safety goggles) should be employed when handling ENVIROPEG™ products. Contact with the eyes and prolonged contact with the skin should be avoided. Wash thoroughly after handling.

Storage & Handling Cont. Bulk Storage Information: Stainless steel and glass fiber-reinforced polyester tanks are recommended. Many oven-cured phenolic and epoxy/phenolic linings may also be used. If storage time is prolonged, or if tank is heated or in a hot climate, it is preferable to store this product under a nitrogen atmosphere. If heated storage is required, metal temperature should not exceed 50°C (125°F).

Shipping Data: ENVIROPEG™ E20,000V is sold in 50 pound bags. Small samples are available by contacting our sample department at 480-945-8400.

Regulatory Information:

U.S DOT Classification	Non-Regulated
HMIS Code	1-0-0
CAS Registry No.	25322-68-3
TSCA Inventory	Yes
Canadian DSL	Yes

Biodegradability: ENVIROPEG™ E Series products are readily biodegradable. A detailed biodegradability statement is available upon request.

Product Stewardship: Environmental Fluids encourages its customer and potential users to review their application from the standpoint of human health and environmental aspects. To help ensure that Environmental Fluids products are not used in ways for which they are not intended or tested, Environmental Fluids personnel will assist customers in dealing with environmental and product safety considerations. Environmental Fluids literature, including Material Safety Data Sheets, should be consulted prior to use.



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